

Northern Vermont University

2020-2021 Undergraduate Catalog

Catalog Home

As of July 1, 2018 Johnson State College and Lyndon State College have become Northern Vermont University, a two-campus institution of higher education that combines the best of each campuses' nationally recognized liberal arts and professional programs. At Northern Vermont University, our goal is to guide curious, motivated, and engaged students on their paths to success and their places in the world.

Northern Vermont University is accredited by the New England Commission of Higher Education (NECHE). Accreditation by the commission indicates that the institution has been carefully evaluated and found to meet standards agreed upon by qualified educators.

Non-Discrimination, Equal Opportunity and Affirmative Action Statement

Qualified students are recruited for, admitted to, and participate in all college programs without discrimination on the basis of race, color, gender, sexual orientation, gender identity, ancestry, place of birth, religion, creed, national origin, age, veteran status, or disability. Northern Vermont University will provide reasonable accommodations to create equal opportunity for students with known disabilities.

U.S. Department of Education Requirements

The U.S. Department of Education requires colleges to make available annual statistics related to any campus crimes and/or students' continuation rates. Please contact our Admissions Office for a copy of this information.

This catalog is prepared annually with current information and is subject to change. It provides general information for Northern Vermont University students and applicants. While it does not purport to be a contract, in combination with subsequent publications, web documents and other communications (semester Class Schedules, the Student Handbook, and special announcements), it outlines requirements and helps identify expectations for students seeking to earn degrees at the University.

While the final version of Northern Vermont University's Class Schedule is the official announcement of course offerings for that semester, the university reserves the right to cancel courses for lack of sufficient enrollment or to substitute instructors for courses. Students will be given reasonable assistance in meeting graduation requirements, but necessary changes in the Class Schedule may require changes in planning for a degree.

History & Mission Statement

Northern Vermont University

Northern Vermont University officially "opened its doors" on July 1, 2018. The unification of Johnson State College and Lyndon State College into Northern Vermont University was initiated by the Vermont State Colleges System Board of Trustees in

September 2016 to expand opportunities for current students and leverage the histories and strengths of each campus to best serve future students and the region.

The new institution offers students more options for academic programs, research and hands-on experiences, extracurricular activities, and the high-impact education that prepares graduates with career-ready skills for a changing world.

While NVU is a single institution, Johnson and Lyndon retain their distinct identities, based in their long histories and deep roots in their regions. Each campus has kept its own mascot, athletic teams - which still compete against each other - alumni association, and unique culture.

NVU's history is founded upon two legacies, but its future is based on one mission:

Northern Vermont University fosters the intellectual, creative, and personal growth of every student in a community committed to diversity and inclusion. We provide innovative professional and liberal arts educational experiences that prepare students to be critical thinkers and engaged global citizens.

Additionally, each campus has its own sub-mission.

The NVU-Johnson sub-mission states: *The NVU Johnson campus believes in the power of a liberal arts education to transform lives.*

The NVU-Lyndon sub-mission states: *The NVU Lyndon campus prepares every student for personal and professional success through experience-based, high-quality programs in the liberal arts and professional studies.*

NVU is accredited by the New England Commission of Higher Education (NECHE).

Our History

Northern Vermont University-Johnson

Northern Vermont University-Johnson dates to 1828 with the establishment of an elementary and secondary school in the village of Johnson. The school was chartered in 1832 as Johnson Academy, soon afterward supported by the Lamoille County Grammar School Association. In 1866, the Vermont Legislature designated Johnson Academy as a teacher-training school called the Johnson Normal School. The school offered one-, two-, and three-year training programs until 1947, when the state approved a four-year teacher-training program, and the school became Johnson Teachers College.

In 1962, Johnson Teachers College became Johnson State College, a year after the state Legislature created the Vermont State Colleges System. With the name change, the college broadened its focus to be a multi-purpose liberal arts college, with the addition of many facilities and academic programs over the years. Graduate programs were added in counseling, education, and studio arts.

In 2008, renovation of Stearns Student Center was completed, with a new performance space, a cinema and dining facilities. In 2009, a major renovation of the athletics facility with a new fitness center was finished. Renovations to Bentley Hall, home to the environmental and health sciences programs, were completed two years later, with new and refurbished labs. In 2012, the renovated Visual Arts Center reopened, with a new gallery, a Mac lab, and other features. As the only Vermont institution in the Council of Public Liberal Arts Colleges, NVU-Johnson now serves about 1,500 undergraduate, graduate, and distance-learning students and occupies 330 hilltop acres.

Northern Vermont University-Lyndon

Founded in 1911 as a one-year teacher-training school housed at nearby Lyndon Institute, the Lyndon Training Course gradually expanded its curriculum and graduated its first four-year class, with 18 students, in 1944. The first male and out-of-state students

were admitted in the '40s. In 1951, the college opened at its current location, the former estate of Theodore N. Vail, American Telephone and Telegraph Company's first president, who was instrumental in establishing Lyndon Institute.

The Vermont Legislature established the Vermont State Colleges System in 1961, and Lyndon Teachers College became Lyndon State College. Liberal-arts degree programs were added to complement the teacher-training programs. In the '60s and '70s, the campus grew significantly with a new library, dining hall, and other buildings. The curriculum expanded rapidly, too, with new programs in business, meteorology, and other disciplines. In the '70s, the college launched a master's program in education. Now NVU-Lyndon also offers a master's degree in liberal studies.

Growth in the '80s and '90s was followed by more construction and academic programs. In 2005, a new residence hall and community building, the Rita L. Bole Complex, opened, named for the longtime principal of the original teacher-training school. In 2009, the Academic and Student Activity Center opened to house three academic departments, a student event center, and additional computer labs. With about 1,300 undergraduate and graduate students today, from its base on a 175-acre hilltop in Caledonia County, NVU-Lyndon continues its commitment to the region as the educational and cultural hub of Vermont's Northeast Kingdom.

University-Wide Policies

Northern Vermont University adheres to the policies of the Vermont State Colleges (VSC) system, which state:

The VSC is committed to maintaining an educational and working environment free from all forms of discrimination and harassment including sexual harassment, sexual assault and misconduct, dating violence, and stalking. Such misconduct will not be tolerated.

All allegations will be investigated promptly and thoroughly, and both the accuser and the accused will be afforded equal rights during the investigatory and adjudicatory process.

Disciplinary sanctions for any member of the VSC community engaging in this conduct can include reprimands and educational sanctions, suspension or expulsion of students, the suspension or termination of employees as well as possible referral for criminal investigation and prosecution under Vermont law.

To learn more about system policies; reporting and/or responding to reports of abuse, rape, harassment, or assault; who to talk to on your campus if you are a survivor or want to support a survivor of sexual assault; and more, visit the [Vermont State Colleges System's RESOLVE website](#).

Family Educational Rights & Privacy Act (FERPA)

The Family Educational Rights & Privacy Act of 1974 (FERPA) affords students certain rights with respect to their educational records. The primary rights afforded to each student include but are not limited to the right to inspect and review their education records, the right to amend incorrect records and the right to limit disclosure of information from the records.

In accordance with federal law and regulations issued by the Department of Education, the Vermont State Colleges System ("VSC") has adopted policies and procedures for each of its Colleges. The Colleges within the VSC are: Castleton University, Northern Vermont University, Vermont Technical College, and the Community College of Vermont. The purpose of this VSC policy is to provide guidance on the rights of inspection and the prohibitions against unauthorized dissemination of educational information. The VSC's FERPA policy is available on the Portal under VSC Public Info and Data (see VSC Policy and Procedures / Student Affairs / Policy 312) and at the Advising and Registration Center at NVU-Johnson and Student Services at NVU-Lyndon.

More information is available from:

Family Policy Compliance Office
U.S. Department of Education
400 Maryland Ave. SW
Washington, DC 20202-4605
Email: FERPA@ed.gov
Telephone: (202) 260.3887
Fax: (202) 260.9001

Federal Clery Act Compliance

In compliance with the federal Jeanne Clery Disclosure of Campus Security Policy & Campus Statistics Act [20 USC 1092(f)], NVU's Department of Public Safety prepares and publishes an annual campus security and fire safety report each October 1 for the purpose of disclosing campus crime and fire statistics, security policies and enforcement. This report includes information about the University's alcohol and drug policies, sexual-assault education and prevention programs, and procedures for reporting and handling reports of sexual assaults. You may request a printed copy from the Office of Public Safety.

The Office of Public Safety is staffed 24 hours a day, 7 days a week, 365 days a year. An officer on duty at NVU-Johnson can be reached anytime by calling 802.635.1205 (or extension 51205 from a campus phone), or at NVU-Lyndon by calling 802.626.6452 (or extension 66452 from a campus phone).

Photographs & Videos

Northern Vermont University and its representatives occasionally take photographs and record videos for use by the University in print and electronic media. This statement serves as public notice of the University's intent to do so and as a release to the University of permission to use such images and recordings as it deems fit. Students may withdraw their consent to appear in photos or videos created by the University and its representatives by completing a form available from the Advising and Registration Center at NVU-Johnson or Student Services at NVU-Lyndon.

Admissions

Learning More about Northern Vermont University

In addition to completing a formal application to the University, prospective students are encouraged to schedule a visit to campus at www.NVU.edu/visit. Applicants who have any disability (physical or learning), or who have limited English proficiency, are encouraged to contact the Admissions Office so that special needs or accommodations can be made available

where appropriate throughout the admissions process. Send questions by email to NVUadmissions@nvu.edu or call us at 800.635.2356 (NVU-Johnson) or 800.225.1998 (NVU-Lyndon).

Northern Vermont University has a "rolling admissions" policy. We review applications throughout the year and, within two or three weeks of receiving the application and supporting credentials, an admissions decision will be made. We encourage students to apply by our priority date of February 1 to receive best consideration for admission and scholarships. In considering students for admission to NVU, the Admissions Office looks at a wide range of factors. We start by carefully evaluating each candidate's academic preparation, as reflected in transcripts, course selection, letters of recommendation, and personal essay.

We recommend that students complete a college preparatory curriculum that includes:

- 4 years of English;
- 2 years of college-preparatory mathematics (3 years of college-preparatory mathematics including Algebra I, Geometry and Algebra II are strongly recommended);
- 3 years of social sciences;
- 2 years of science (one course with a lab).

Atmospheric Sciences, Exercise Sciences, and Health Sciences applicants are recommended to have taken pre-calculus and physics prior to enrolling at NVU.

First-Year Students

All candidates for admission who have not attended a college or university are considered to be First-Year students. To be considered for admission to NVU, First-Year students can apply electronically by using the Common Application at www.commonapp.org or via the NVU application at NorthernVermont.edu/Apply; a \$50 application fee is also required.

To be considered for admission, students must complete an application and submit the following materials:

- An official high school transcript, HiSET transcript, or GED test scores;
- SAT or ACT test scores (optional);
- \$50 non-refundable application fee;
- An essay (optional);
- One letter of recommendation - preferably from a guidance counselor (optional).

NVU considers each applicant on three main criteria: ability, character, and motivation. Therefore, the application process is holistic, with an emphasis on the candidate's ability to perform college-level work and to be successful at NVU.

Home-Schooled Students

To be considered for admission to NVU, Home-Schooled students must apply electronically by using the Common Application at www.commonapp.org or via the NVU application at NorthernVermont.edu/Apply; a \$50 application fee is also required. If applying online, the application fee can be paid with a credit card or electronic check through the secure Common Application online system.

All candidates for admission who have participated in a home schooling program must complete an application and submit the following materials.

- A Proof of Graduation*;
- SAT or ACT test scores (optional);
- \$50 non-refundable application fee;
- An essay (optional);
- One letter of recommendation - from someone other than a family member (optional).

* Acceptable "Proofs of Graduation" include:

- Official GED test scores;
- A Certificate of Completion if the home schooling program is recognized by your home state;
- Report of annual approval of your program as required within your home state (an official transcript of any course work taken at a local high school is also required);
- High School Diploma (if area high school offers a diploma for home-schooled students).

NVU relies on the guidelines on home schooling put forth by the state in which the resident applies.

Students offered admission are required to deposit \$200 by the preferred date of May 1. After May 1, this deposit is non-refundable.

Transfer Students

Transfer students should have a cumulative grade point average (GPA) of at least a 2.0. We accept credits from courses taken at regionally accredited institutions with a grade of C- or better. To be considered for admission, transfer students must apply electronically by using the Common Application at www.commonapp.org or via the NVU application at NorthernVermont.edu/Apply.

Application materials include:

- Official transcript(s) from all colleges previously attended with current Semester Progress Report;
- Official high school transcript, HiSET transcript, or GED scores (waived for students transferring 18 or more credits);
- \$50 non-refundable application fee (waived for students transferring from another VSC institution or who have at least 12 credits within the VSC)
- An essay (optional);
- One letter of recommendation - preferably from an academic advisor or professor (optional);

United States Armed Forces Institute (USAFI) courses and study completed at service schools will be credited as recommended by the American Council on Education in disciplines taught at NVU.

NVU-Vermont Tech Nursing Pathway Program

Northern Vermont University and Vermont Technical College, in collaboration with Northern Vermont Regional Hospital (NVRH), now offer a program pathway that allows traditional-aged high school and Career and Technical Education (CTE) graduates in northern Vermont and the north country of New Hampshire to pursue a nursing degree in the Northeast Kingdom of Vermont. The pathway will be collaboratively offered by NVU and Vermont Tech.

High school students who desire to enroll into the NVU nursing pathway program must complete the general application for NVU or the common application. Applicants are strongly encouraged to have successfully completed college prep mathematics and science courses during their high school career. High school students must have a cumulative high school GPA of a 2.7 or higher to be eligible for admission to the nursing pathway program.

Transfer students wishing to enroll into the NVU Nursing Pathway Program must complete the NVU transfer application or Common Application. NVU and Vermont Tech will review all previous coursework and transcripts for transferable

credit. Transfer applicants must have a cumulative college GPA of 2.5 or higher to be eligible for the NVU Nursing Pathway Program.

Students who are accepted into the pre-nursing year at NVU are also conditionally accepted into the Vermont Tech nursing program inclusive of the Practical Nursing (PN) and Associates Degree in Nursing (ADN) programs. During their first semester of enrollment in the pre-nursing program, students will need to submit all required documentation for the PN program by December 1st. If a student is enrolled in the English and/or Mathematics coursework in the fall semester (see section 6), then the corresponding Vermont Tech placement test will be waived. If not, then the student must reach the minimum level on the placement test(s), for math - the QRAS must be 243 or higher and for English - Writing and Reading must each be 261 or higher. Only one retest, per subject, is allowed.

Program Structure and Tuition Rates

Students in this program pathway will take a year of prerequisite courses at NVU-Lyndon (see Table 1). Students will be charged the prevailing NVU-Lyndon undergraduate tuition rate and fees. Having successfully completed the prerequisite courses, students will then matriculate into the Vermont Tech PN program taking face-to-face courses at NVU-Lyndon (see Table 2 for PN and ADN course lists). Students will be charged the VTC prevailing tuition rate and fees for the PN and ADN program courses. Financial aid and scholarships will be awarded and determined by the respective institutions and will not follow a student from one institution to another.

Courses Offered by NVU

Unless external factors require remote or online instruction, NVU agrees to offer the following courses annually in a face-to-face format and will ensure that enough seats are available to the students in this program pathway.

Table 1. Required courses during the pre-nursing year.

Fall Semester (15 weeks)		Spring Semester (15 weeks)	
Human Anatomy & Physiology I*	4 Credits	Human Anatomy & Physiology II*	4 Credits
Introduction to Nutrition*	3 Credits	Human Growth & Development	3 Credits
Problem Solving with Math (ADN)*	3 Credits	Introduction to Psychology (ADN)*	3 Credits
Reading & Writing Strategies (ADN)	3 Credits	Academic Inquiry*	3 Credits
Introduction to Nursing	<u>2 Credits</u>	Arts & Humanities Elective (ADN)	<u>3 Credits</u>
	15 Credits		16 Credits

The above table indicates the preferred semester for course offerings. In some instances, it may be necessary to change the semester when a course is offered based on faculty availability.

Admittance Standards to the Vermont Tech PN Program

Students must attain at least a 3.0 (B average) and individual grades must all be a C or better in the mathematics and science courses listed in Table 1. Furthermore, students must earn a B or better in both Human Anatomy and Physiology courses.

Classes offered and taught by Vermont Tech at NVU

The following Vermont Tech courses will be offered to students in the second (PN) and third (ADN) years of this program pathway. The nursing courses will be taught at NVU-Lyndon. Vermont Tech staff will work with the NVU-Lyndon Registrar's Office to ensure the appropriate courses are built into the NVU term schedule. Technical Communication (ENG 2080) will be offered only online.

Table 2. Required courses during the PN and ADN programs

Year 2					
Fall Semester (15 weeks)		Winter Semester (15 weeks)		Spring II Semester (9 weeks)	
P & P of Nursing I	5 Cr	P & P of Nursing II	5 Cr		5 Cr
P & P of Nursing I Lab	4 Cr	P & P of Nursing II Lab	4 Cr	P & P of Nursing III	4 Cr
	3 Cr		3 Cr	P & P of Nursing III Lab	
Nurse Client Relationship	12 Cr	Pharmacology	12 Cr		9 Cr
Year 3					
Fall Semester (15 weeks)		Spring Semester (15 weeks)			
Principles & Practices of Nursing IV	3 Credits				6 Credits
Principles & Practices of Nursing IV Lab	2 Credits		Principles & Practices of Nursing V		4 Credits
Trends & Transitions in Nursing	2 Credits		Principles & Practices of Nursing V Lab		3 Credits
Microbiology	4 Credits		Introduction to Sociology (BSN)		
Technical Communication	3 Credits				
	14 Credits				13 Credits

Advising and Academic Support

During the pre-nursing year, students will be assigned two advisors. Their primary advisor will be the NVU Director of Advising Resources. The secondary advisor will be an on-site Vermont Tech nursing faculty member. Both advisors will be available to provide advising support. The Vermont Tech faculty advisor will help ensure a smooth transition to the PN program. All matriculated NVU pre-nursing or Vermont Tech students in the PN or ADN programs will have access to the

requisite NVU academic support services. Vermont Tech faculty will be responsible for advising students in the PN and ADN programs.

Classroom, Skills Lab & Simulation Lab

All classroom and lab learning spaces will be located at NVU-Lyndon. NVU and NVRH administrative leadership will provide the requisite equipment or identify funding to build out and equip the requisite lab spaces needed for this program pathway. Additional equipment may be relocated from the Lyndon Institute Allied Health Program.

Non-Traditional Students

NVU is proud of its long tradition at its Johnson and Lyndon campuses of serving the adult and the non-traditional student.

An applicant who has been away from formal education for a year or more is considered a non-traditional student. Recognizing the diversity of academic and life experiences that such a student brings, the application process is highly individualized. Non-traditional students also must complete an application at NorthernVermont.edu/Apply and submit the following:

- Official high school transcript, HiSET transcript, or GED test scores;
- \$50 non-refundable application fee (waived for online applications);
- An essay (optional);
- One letter of recommendation from a person who can speak to the applicant's motivation and academic potential (optional);
- Highly recommend: Personal interview with an admissions counselor.

Please note that employment experience, volunteer work, vocational or professional training can provide a substantial body of knowledge that may complement or substitute for formal college study. Therefore, students who are starting or returning to college after years of career and/or family life might be able to receive credit for prior learning and life experience through the Prior Learning Assessment option offered at the Community College of Vermont (CCV). In cooperation with the Office of External Programs of the Vermont State Colleges, NVU awards credit for demonstrated competency from prior learning and life experience. Students enroll at the Community College of Vermont for the course Educational Assessment and Portfolio Preparation (EDU 12A40) where they document all activities related to college-level work. Please talk with an admissions counselor about any of these programs for non-traditional students.

Part-Time Students

Applicants for degree programs may enroll as part-time students in the regular session with fewer than 12 credit hours per semester. While NVU has no special rules regarding part-time degree candidates, financial aid (institutional, federal, and state) may be reduced when students take on less than full time schedules.

NVU Online

Northern Vermont University offers several 100% online degrees and one 90% online degree (that requires one in person meeting each semester the student is enrolled in the program) to help students reach their personal and professional goals in a flexible, affordable way. Academic advisors work with NVU Online students through either face-to-face or online advising. Our NVU Online advisors will work closely with students to help map out a path to reach their educational goals.

Admission to the NVU Online Program offers multiple start dates for fall, spring, and summer semesters, which include two 7-week accelerated course modules. All NVU Online applicants must submit an application for admission, found at the NVU

website at NorthernVermont.edu/Apply. Along with the application, the following materials must be submitted for the application to be reviewed:

- Official transcripts from all colleges/ universities you have attended;
- High school transcript (If less than 18 college credits earned)
- If awarded credits for life experience, an official transcript from the Community College of Vermont (CCV) is required;
- Resume (optional)

Most students enrolled in our 100% online degree programs pay in-state rates.

	Part-time (1-11 credits)	Full-time (12-18 credits)
NVU Online Tuition	\$456 per credit	\$5,472 per semester
Distance Learning Fee	\$32 per credit	\$384 per semester

The in-state rate does not apply to courses that NVU Online students take from other Vermont State College institutions, or for non-Vermont students utilizing the face-to-face advising model or pursuing the hybrid B.S. in Early Childhood Education degree. The out-of-state rate is \$1,011 per credit, \$12,132 per semester.

Advanced Placement

Northern Vermont University will grant course credit to students who have completed examinations through the College Board's Advanced Placement (AP) Program. A grade of 3 or higher must be achieved to receive credit for the corresponding academic course.

College-Level Examination Program

Northern Vermont University considers for credit the scores received on the College Level Examination Program (CLEP). Six credits may be given for each area of the General Examination on which a student scores satisfactorily. Three credits may be given for subject examinations on which a satisfactory score is achieved.

International Baccalaureate

Northern Vermont University recognizes the International Baccalaureate (IB) program and will award credit on an individual basis to students who pass with grades of 4 or above on higher-level exams (NVU does not award credit for standard level IB exams). It is not necessary to have completed the entire IB curriculum [the diploma] to qualify for transfer credit. Please submit an official IB transcript along with your application for admission.

Accepting the Offer of Admission

Students who have been accepted for the fall semester can reserve a space in the entering class and in the residence halls by submitting a \$200 deposit by May 1 with an Intent to Enroll Form at NorthernVermont.edu/Pay-Your-Enrollment-Deposit. The deposit is non-refundable after May 1. Students applying for the fall semester who are accepted after May 1 should send in the

deposit no later than two weeks after receiving notification of acceptance. Students accepted for the spring semester should send their deposit by December 1 or, if after December 1, no later than two weeks after receiving notification of acceptance and before registration. All admission deposits are credited to the student's account for the semester of entrance to the University. Students who have paid the deposit will receive information regarding the next steps of enrollment process, including housing, class assignments, orientation, and student health documentation and insurance.

Housing Guidelines

NVU Online students are not eligible to live on campus.

Good Neighbor and Regional (NEBHE) Awards

Northern Vermont University participates in two programs that offer a reduced tuition rate to eligible out-of-state students: the Good Neighbor Award and the Regional/NEBHE Award. Students eligible for either award save \$6,500 on the out-of-state tuition rate. This award can also be combined with merit scholarships for students who demonstrate high academic achievement. Students can only receive one of these regional awards.

Good Neighbor Award

The NVU Good Neighbory Award provides a tuition discount to undergraduate students from:

- **Canada:** (all provinces)
- **Massachusetts:** Berkshire, Franklin, Hampden, and Hampshire counties
- **New Hampshire:** Belknap, Carroll, Cheshire, Coos, Grafton, and Sullivan counties
- **New York state:** (all counties)

Once enrolled, students receiving the Good Neighbor Award will continue to receive the discounted rate for up to eight semesters as long as they maintain continuous full-time enrollment during that time and remain in good academic standing.

New England Regional Student Program

This award provides a discount to students from specific states enrolled in specific majors, as noted below. These majors and the associated home states are determined by the New England Board of Higher Education. The most recent list of eligible majors and the home-state requirements for each follows. Note that this list changes periodically. Check with the Admissions Office to ensure your major is still eligible. Majors are campus specific. Campus is indicated next to degree name. Further information can be found at www.NEBHE.org.

Eligible Major	CT	MA	ME	NH	RI
Animation and Illustration, B.F.A. (Lyndon)			yes	yes	yes
Applied Psychology/Human Services B.S. (Lyndon)	yes			yes	
Atmospheric Sciences, B.S. (Lyndon)	yes	yes	yes	yes	yes
Broadcast and Digital Journalism, A.S., B.S. (Lyndon)	yes	yes	yes	yes	yes
Cinema Production, B.A. (Lyndon)	yes	yes	yes	yes	yes

Climate Change Science, B.S. (Lyndon)	yes	yes	yes	yes	yes
Creative Writing, B.F.A. (Johnson)	yes	yes		yes	yes
Fine Woodworking and Furniture Design, A.A., B.F.A. (Johnson)	yes	yes	yes	yes	yes
Graphic Design, B.F.A. (Lyndon)			yes	yes	yes
Media Arts, B.A., B.F.A. (Johnson)		yes			yes
Music Business and Industry, B.S. (Lyndon)	yes		yes	yes	yes
Outdoor Education, Leadership, and Tourism B.S. (Johnson and Lyndon)	yes	yes	yes		yes
Outdoor Education, Leadership, and Tourism - Adventure Education Concentration (Johnson and Lyndon)	yes	yes	yes		yes
Outdoor Education, Leadership, and Tourism - Therapeutic Wilderness & Adventure Programming Concentration (Johnson)	yes	yes	yes		yes
Outdoor Education, Leadership, and Tourism - Outdoor Program Management & Administration Concentration (Johnson)	yes	yes	yes		yes
Outdoor Education, Leadership, and Tourism - Environmental Education Concentration (Johnson)	yes	yes	yes		yes
Outdoor Education, Leadership, and Tourism - Mountain Resort Management Concentration (Lyndon)	yes	yes	yes	yes	yes
Performance, Art, and Technology - Musical Theatre (Johnson)		yes			
Photography, A.A. (Lyndon)			yes	yes	yes
Studio Arts, M.F.A. (Johnson)			yes	yes	yes
Sustainability Studies, B.S. (Lyndon)	yes	yes		yes	yes
Technical Theater, A.A. (Johnson)	yes	yes	yes	yes	
Visual Arts, A.S. (Lyndon)			yes	yes	
Wellness and Alternative Medicine, B.S. (Johnson)	yes	yes	yes	yes	yes

Readmission to Northern Vermont University

Former students returning within one year of exiting need not reapply if an official Leave of Absence was granted by the Registrar's Office. All other students seeking readmission are required to submit an application for readmission at NorthernVermont.edu/Apply.

The decision to re-admit a student is based on the circumstances of a student's departure, which include a review of academic and financial standing with the institution. The Admissions Office will consider the recommendation of academic leaders and departments, and any financial and judicial actions.

International Students

Northern Vermont University is a welcoming and supportive community for students from all over the world. We're happy that you are considering pursuing your college education with us, and we look forward to working with you.

Applying for Admission

Students from other countries may apply for admission into Associate's and Bachelor's degree programs at the university. To be considered for admission to NVU, transfer students must apply electronically by using the Common Application at www.commonapp.org or via the NVU application at NorthernVermont.edu/Apply.

There is a \$50 application fee, which may be paid by credit card or electronic check through the secure Common Application online system.

In addition to the completed Common Application, international students must submit the following credentials in order to be considered for admission:

Academic Credentials

- Academic records in the original language and a certified English translation;
- Official secondary school transcripts and an official leaving certificate or diploma;
- Results of secondary external examinations, if applicable; and
- Official transcripts of any university-level studies already completed.

In order for NVU to consider accepting transfer credits from foreign institutions, students must have their post-secondary academic transcripts evaluated by an official foreign credential-evaluation service. Students are responsible for the credential evaluation and translation fees. A list of approved credential-evaluation services is available at www.edupass.org.

Proof of Proficiency in the English Language

For all students, success at Northern Vermont University requires proficiency in reading, writing and speaking English. For this reason, international students seeking admission must demonstrate their proficiency by taking the Test of English as a Foreign Language (TOEFL) or by taking the language proficiency test offered through the International English Language Testing System (IELTS). Official TOEFL score or IELTS test scores must be sent directly to Northern Vermont University from the testing agency; photocopies of test results are not accepted. The TOEFL institutional code for Northern Vermont University is 3766. For information regarding the submission of IELTS scores, please contact the Admissions Office at Admissions@NVU.edu or 800-635-2356 (NVU-Johnson) or 800-225-1998 (NVU-Lyndon).

- Score Requirements for Undergraduate Applicants TOEFL score of 70 or better; IELTS score of 5.5 or better; or Pearson test score of 45 or better
- You may be required to expand your proficiency in English. Typically, you will need to enroll in a two-semester sequence of ESL courses in writing, reading, grammar, listening, and speaking during your first year at NVU.
- Exceptions to the TOEFL requirement may be made for students who have had the opportunity to use spoken and written English for a sustained period of time either through life experiences or through post-secondary education.

Because of the time required to complete and process international student paperwork, students are recommended to apply by November 1 for the spring term and May 1 for the fall term.

Applicants who have had the opportunity to use spoken and written English for a sustained period of time either through life experiences or through post-secondary education may ask to be excused from taking the TOEFL or IELTS test. If these

applicants are accepted at NVU, they may still be required to enroll in ESL coursework and/or ELL tutorials depending on their level of proficiency as determined by the ESL academic skills coordinator and the director of the Academic Advising & Career Center.

Financial Documentation

The U.S. Immigration and Customs Enforcement Bureau requires Northern Vermont University to obtain documentation from prospective international students demonstrating their ability to cover the cost of their NVU education. The cost of education includes tuition and fees, living expenses, and miscellaneous expenses such as books, supplies, health insurance, and other incidentals.

Each international student must demonstrate that he/she can meet these costs for the first year of study and, barring unforeseen circumstances, for subsequent years.

Determining Your Ability to Pay

Use the following table to determine the amount for which you must demonstrate the ability to pay:

2020-21 Costs for Canadian & Other International Students

	Canadian	International
Tuition	\$19,180	\$25,680
Mandatory Fees	\$1,412	\$1,412
Living Expenses	\$11,694	\$11,694
Health Insurance	\$1,675	\$1,675
Books, Supplies, Miscellaneous	\$2,750	\$2,750
Total	\$36,711	\$43,211

*Tuition for Canadian students is reduced through the "Good Neighbor" award program.

**All students at Northern Vermont University are required to have health insurance. If you can show proof of other health insurance, the cost of university insurance will be waived. This price is the cost for one year of health insurance during the academic year. It does not include coverage for dependents.

Northern Vermont University is required by federal law to verify the financial resources of all international students. International students must demonstrate that funds exist at least for the student's first year of study and, barring unforeseen circumstances, that adequate funding will be available from the same or equally dependable sources for subsequent years. International applicants must complete the financial documentation form included in the International Application for Admission and supply official financial documents, on official letterhead or with an official seal, in support of the form.

Demonstrating Financial Support

International applicants may demonstrate financial support the following ways:

- If you will be supported by your government or sponsoring agency, you must submit an official copy of your sponsorship award letter.
- If you will be supported by private funds, your sponsor (e.g., parents, relatives, businesses or other benefactors) must complete the Foreign Student Certification of Finances and submit supporting documents demonstrating that sufficient funds are available to cover your expenses while studying in the U.S. If your sponsor is in the U.S., the sponsor also must complete INS form I-134 (Affidavit of Support), which is available at www.uscis.gov.

Appropriate documents for financial verification include:

- Official proof of personal or family savings;
- Bank-issued certified letters stating available funds;
- Official bank statements;
- Bank books; and
- Official tax documents.

Outside Sources of Funding

Northern Vermont University College encourages international students to seek financial assistance through outside sources and sponsors. The following websites provide detailed information on financial aid for foreign students:

- eduPASS: www.edupass.org;
- International Education Financial Aid: www.iefa.org;
- NAFSA: www.nafsa.org.

Letter of Recommendation (optional)

If they choose to do so, international applicants may submit a letter of recommendation from someone who is not related to them. A letter from an academic advisor or professor is preferred. The advisor or professor may complete the College Instructor Evaluation form of the Common Application or write a letter.

Writing Sample (optional)

If they choose to do so, international applicants may submit an essay with their application. The essay might explain the applicant's reason for choosing NVU, or it can address another subject of the applicant's choosing. Finally, applicants must include a page with their signature and printed name with their application.

Priority Deadlines

Northern Vermont University accepts and reviews applications for undergraduate study from international students on a year-round basis. However, we recommend that applicants submit their application materials by the following priority deadlines to give themselves ample time to arrange for immigration paperwork to be processed:

- Fall semester (August-December): May 1
- Spring semester (January-May): November 1

Accepting the Offer of Admission

Applicants will be notified of our decision within three to four weeks of receipt of their completed application and supporting documentation. Upon acceptance to Northern Vermont University, a \$1,500 deposit is required. NVU will issue INS Form I-20 (issued by the U.S. Immigration & Naturalization Services) upon receipt of the deposit. This form allows international students to apply to the U.S. embassy in their country for an F-1 student visa, which is needed to enter the U.S.

For More Information

More information about obtaining a student visa is available at www.uscis.gov. The U.S. Citizenship & Immigration Services website at www.uscis.gov provides information about other immigration-related topics as well. The International Student Advisor in the NVU Admissions Office is available to assist as well and can be reached by emailing Admissions@NVU.edu or 800.635.2356 (NVU-Johnson) or 800.225.1998 (NVU-Lyndon).

Admission of English Language Learners from the U.S.

Northern Vermont University also encourages applications from U.S. residents whose first language is not English. NVU is a cultural engine for Northern Vermont and students from multicultural and international backgrounds and experiences enrich the campus academic community. In addition to completing the Common Application for admission to Northern Vermont University and following the instructions for applying (found in this Admissions section of the catalog), English Language Learners (ELLs) should be sure to request recommendation from their high school ESL teacher as well as their guidance counselor. Submission of TOEFL scores, while not required, are strongly encouraged.

Proof of Proficiency in the English Language

In order to succeed in college-level coursework and to participate fully in campus life, English Language Learners (ELLs) will need to continue to expand their proficiency in English upon admission to NVU. First-year ELLs are, therefore, typically required to enroll in a sequence of ESL courses and/or tutorials. These courses and tutorials focus on Academic English - the writing, reading, listening, and speaking skills necessary for students pursuing an Associate's or Bachelor's degree. ELLs are assigned to this specialized, language-based coursework as determined by the ESL Academic Skills Coordinator and the Director of Advising on the NVU-Johnson campus.

Academic Options for High School Students

Northern Vermont University offers two programs for high school students who demonstrate the abilities and commitment to undertake college-level course work: 1) Dual Enrollment Program and 2) Early College Program. These options are designed for students who show significant talent in an academic area and who desire to challenge themselves on the post-secondary level. Typically, students in these programs will be permitted to register for first- or second-year college courses, on a seat-available basis.

Northern Vermont University Dual Enrollment Program

This program is available to juniors and seniors in high school, at least 16 years of age. Eligible students may take up to two free courses (8 college credits) between the end of their sophomore year and high school graduation. To be considered for admission to the Dual Enrollment Program, students must be enrolled full-time in high school or an approved home school program and must:

- Complete and submit the Dual Enrollment Application at www.NorthernVermont.edu/Apply;
- Submit at least one letter of recommendation from a guidance counselor, principal or teacher;
- Request to have a copy of the student's high school or home school transcript sent to the program coordinator.

Early College Program

This program is available to students that are at least 16 years of age, entering their senior year at a Vermont high school, who wish to complete their final year of high school and their first year of college simultaneously. New for fall 2020: students can enroll in a fully online Early College experience. To learn more please contact the admissions office at 800.635.2356 or email at admissions@northernvermont.edu.

Early College students may earn a maximum of 30 credits over two semesters, tuition-free. To be considered for admission in the Early College Program, students must be enrolled full time in high school or in an approved home school program and must:

- Complete the Early College Application, including the personal essay;
- Submit at least one letter of recommendation from their guidance counselor or home-school coordinator;
- Request to have a copy of their high school or home school transcript sent to the program coordinator;
- Submit the Assurance Form and Principal/Head Master Authorization Form; and
- Schedule an interview with the Early College Coordinator

Early College applicants must have the consent and cooperation of secondary school officials.

Students who have been accepted for the fall semester can reserve a space in the entering class and in the residence halls by submitting a \$100 deposit by May 1 with an Intent to Enroll Form at NorthernVermont.edu/Pay-Your-Enrollment-Deposit.

Financial Aid

We consider financial aid an investment in the future of our students. Our primary goal is to provide assistance to those who might not otherwise be able to earn a degree. However, please be aware that we assume students and their families will contribute to the cost of education according to their means. Financial assistance is offered only after it has been determined that family resources are not adequate to meet college expenses. Whenever possible, students will be expected to work or borrow to meet these expenses.

Three types of financial aid are available.

- **Grants and scholarships**, which are classified as gifts and need not be repaid
- **Low-interest loans**, which are repaid in installments after leaving college
- Various **campus employment opportunities**.

Depending upon financial need, a student may be eligible to receive one or a combination of these types of aid. Since resources are limited, students should apply for federal, state, and institutional aid early. All financial aid awards are dependent upon availability of funds and demonstration of financial need. All aid programs are subject to change due to changes in state or federal legislation.

Eligibility

To be eligible to receive financial aid based on "financial need", a student must:

- be enrolled in a degree program and be making Satisfactory Academic Progress (SAP)
- be a U.S. citizen or a permanent resident with an I-151 or I-551, or I-551C; or have a Departure Record (I-94) from the U.S. Immigration and Naturalization Service (showing certain designations), contact Financial Aid Office for more information)
- not be in default on a federal loan and not owe a refund on a federal grant.

"Financial need" is defined as the difference between the cost of attendance and what the family is expected to contribute. Need is determined on the basis of information submitted on the Free Application for Federal Student Aid (FAFSA) or the Renewal FAFSA. Continued eligibility, once students are in attendance, depends upon students meeting the general criteria listed above, documenting need for each academic year and remaining in good academic standing.

Financial aid awards may be adjusted upon receipt of such items as changes in family contribution, grants, outside scholarships, and loans. In order to be eligible for financial aid, such resources may not exceed the total cost of attending Northern Vermont University.

Application Process and Deadlines

Complete a Free Application for Federal Student Aid (FAFSA) between October 1 and March 15 to be considered for all types of aid. A Renewal FAFSA must be submitted each year for continued consideration for assistance. In addition to the FAFSA or Renewal FAFSA, students should also complete state grant applications. Vermont residents can apply for a Vermont State Grant by completing the VSAC Grant Application. Residents of other states should contact their higher education agency to inquire about state grant application procedures and deadlines.

You must add the Northern Vermont University school code **003688** to ensure that your FAFSA application is received. Every FAFSA received later than March 15 will be reviewed in order of the date received. Aid is awarded subject to the availability of funds. Promptly answer or act on requests for additional forms or information, such as Official IRS Tax Information via the IRS Data Retrieval Tool on the FAFSA, obtaining a free Tax Return Transcript, or obtaining an IRS Verification of Non-Filing via IRS Form 4506-T.

All admissions candidates, including transfer students, must be accepted for admission before any action will be taken on their financial aid application. However, students should not wait until they have applied for admission or have been admitted to apply for financial aid. Award notifications are sent to new students at the email address listed on their admission application. Award notifications are sent to returning students' college email accounts usually beginning in late-April.

Summer Financial Aid

Federal Direct Loans and Pell Grants are awarded to eligible students who have completed their FAFSA. Summer students must plan to be enrolled at least half-time in order to be considered for Direct Loans. The FAFSA must generally be received by the federal processor by April 1 for consideration of summer aid. In addition, students must also complete a Summer Financial Aid and Payment Form found in the summer course bulletin or on the NVU website.

Grants and Scholarships

A variety of scholarships are available to both new and returning students. Awards are based on academic and personal achievement and are need-based or non need-based. To be considered for both need-based and non need-based scholarships, a completed Free Application for Federal Student Aid (FAFSA) is required.

Scholarship Application deadlines are specific to your campus and will be announced in the VSCS Portal. Applications will be available on our website at NorthernVermont.edu

Types of Financial Aid for Undergraduate Students

Students must complete the FAFSA to be considered for any type of federal aid.

Programs	Eligibility	
Federal PELL Grant	Awarded to eligible undergraduates (determined by the federal government based on expected family contribution).	Full-time award for the 2020-2021 on a yearly basis
Federal Supplemental Education Opportunity Grant (FSEOG)	Awarded to assist undergraduates with exceptionally high financial need. Priority is given to PELL-eligible students.	Awards range from availability of funds
Federal Direct Subsidized Loan	Long term, low interest loan. No interest accrues while the student is enrolled at least half-time.	See the Direct Loan
Federal Direct Unsubsidized Loan	Borrower is responsible for interest during life of the loan. Student must be enrolled at least half-time to borrow.	See the Direct Loan
Federal Direct Parent PLUS Loan	Long-term loan, interest rate determined July 1 of each year. Enables credit-worthy parents to borrow for educational expenses for their dependent student.	Parents can borrow and aid awarded
Federal Work-Study (FWS)	Provides on-campus employment for students to earn money to pay for educational expenses.	Award is generally semester.)
Vermont Student Assistance Corporation (VSAC) and State Incentive Grant Programs	<ul style="list-style-type: none"> • FAFSA required • VSAC Grants are restricted to undergraduates who are permanent residents of Vermont. Complete the VSAC Grant Application. • Non-residents are encouraged to contact their State Higher Education Agency for information on application procedures and deadlines for possible state funding. 	Grant amounts are agencies that offer
Non-Institutional/Outside Scholarships	Check with high school guidance offices, student/parent employers, churches, groups or community organizations.	Scholarship eligible individual donors

Note: Students in Master's degree programs are eligible only for Federal Direct Unsubsidized Loans.

**The following certificate programs are not eligible for financial aid:*

- *Certificate in Nonprofit Management*
- *Certificate in Small Business Management*

The following Direct Loan Chart provides maximum annual and aggregate (total) loan limits for subsidized and unsubsidized Direct Loans.

Year	Dependent Undergraduate Student (except students whose parents are unable to obtain PLUS Loans)	Independent Undergraduate Student (and dependent students whose parents are unable to obtain PLUS Loans)
First Year	\$5,500 - No more than \$3,500 of this amount may be in subsidized loans.	\$9,500 - No more than \$3,500 of this amount may be in subsidized loans.
Second Year	\$6,500 - No more than \$4,500 of this amount may be in subsidized loans.	\$10,500 - No more than \$4,500 of this amount may be in subsidized loans.

Year	Dependent Undergraduate Student (except students whose parents are unable to obtain PLUS Loans)	Independent Undergraduate Student (and dependent students whose parents are unable to obtain PLUS Loans)
Third Year and Beyond (each year)	\$7,500 - No more than \$5,500 of this amount may be in subsidized loans.	\$12,500 - No more than \$5,500 of this amount may be in subsidized loans.
<i>Maximum Total Debt from Direct Loans When You Graduate (aggregate loan limits)</i>	<i>\$31,000 - No more than \$23,000 of this amount may be in subsidized loans.</i>	<i>\$57,500 - No more than \$23,000 of this amount may be in subsidized loans.</i>

Veterans' Benefits

Veterans' Administration Educational Benefits may be available to students who fit one of the following categories:

1. Children, spouses, widows, or widowers of veterans who died or were permanently and totally disabled as the result of service in the armed forces of the U.S.
2. Children of servicewomen/men missing in action or prisoners of war for more than 90 days.
3. Qualified servicewomen/men in civilian life, or on active duty in the armed forces who qualify. Application should be made to the Veterans' Administration.

Students eligible to receive veterans' education benefits must contact the Registrar's Office and arrange to have their enrollment certified with the Veterans Administration. The amount of monthly benefits is determined by full- or part-time enrollment status. In order to receive maximum benefits, students must be enrolled full-time (12 credits or more) during a regular semester. Those enrolled in fewer than 12 credits receive proportionately smaller benefits.

Enrolling in an independent study (research, field work, internship), or in music or health and physical education courses, may affect the amount of monthly benefits. Students contemplating enrolling in these courses should call the V.A. to determine exactly how benefits will be affected. V.A. regulations exempt some internship experiences from reduction in benefits. The School Certifying Officials on each campus can provide information and assistance for those seeking education benefits.

Satisfactory Academic Progress (SAP) for Financial Aid Eligibility

Students receiving Federal Student Aid must maintain "Satisfactory Academic Progress" (SAP) at Northern Vermont University in order to remain eligible for federal aid consideration. The Financial Aid Office evaluates SAP once a year after the completion of the spring term for all students receiving financial aid. All semesters of enrollment, including summer, must be considered in the determination of SAP (even periods in which federal aid funds were not received).

Satisfactory Academic Progress tests three standards:

1. **GPA (Qualitative) Standard**
Students academically dismissed from their academic program are automatically recognized as failing to meet Northern Vermont University's SAP standards. Otherwise, as a student progresses through their academic program, their cumulative GPA must meet the following standards as recorded and documented by the Registrar's Office.
 - Students with fewer than 30 earned credits must maintain a cumulative GPA of 1.75
 - Students with 30 earned credits or greater must maintain a cumulative GPA of 2.0

- Graduate students must maintain a cumulative GPA of 3.0.
2. **Pace (Quantitative) Standard**
Students must successfully complete 67% of their attempted courses as recorded and documented by the Registrar's Office. Dropped courses will not be included. Courses withdrawn from after the end of the add/drop period will be counted as attempted credits.
 3. **Maximum Time Frame Standard**
A student's maximum time frame for completion of their academic program must not exceed 150% of the published program length, measured in credit hours. For example: AA or AS degrees require 60 credits, therefore the maximum time frame allowed is 90 credit hours. BA or BS degrees require 120 credits, therefore the maximum time frame allowed is 180 credits hours. Graduate degree time frames are determined by program.

Grades and Credits

Courses with grades of "W" (withdrawn), "NP" (not passed), "I" (Incomplete), and/or "F" (failed) are counted as courses attempted but not earned AND count toward the Maximum Time Frame Standard and the Pace Standard. Satisfactory Academic Progress (SAP) will include repeated and remedial coursework unless determined otherwise by the Financial Aid Office during review of a SAP Appeal. Please note that transfer credits do count in determining the GPA (Qualitative) Standard, Pace (Quantitative) Standard, and Maximum Time Frame Standard for SAP. The Financial Aid Office will NOT automatically adjust a student's SAP status when grades are changed or finally reported. For any grade change (especially regarding a prior grade of "I" [Incomplete] that has now been assigned a traditional letter grade), a student is responsible for notifying the Financial Aid Office of such a change and requesting a review of their SAP evaluation.

Monitoring Period and Suspension

Students will have their satisfactory academic progress evaluated once a year at the end of the spring semester regardless of whether the student received financial aid. Students not meeting these Satisfactory Academic Progress standards will receive communication via letters sent to the mailing address on record as well as their campus email.

Aid suspended includes all federal aid; Pell Grants, Supplemental Education Opportunity Grants (SEOG), Work-study, Perkins, Direct Subsidized or Unsubsidized Student Loans, Graduate PLUS and Parent PLUS Loans, as well as State Incentive Grants, Scholarships, and Private Educational Loans. This may also apply to scholarships/loans from an outside resource. Scholarships that have specific requirements in order to maintain eligibility (GPA for example) will not be reinstated even with an appeal approval.

The first time a student falls below the GPA (Qualitative) Standard, and/or the Pace (Quantitative) Standard for Satisfactory Academic Progress, the student's aid will be suspended for the upcoming semester. The student can immediately appeal for a probationary period.

Appeal for Probationary Period

A student who fails to meet a Satisfactory Academic Progress (SAP) Standard at the conclusion of the Spring Semester will be placed in a Financial Aid Suspension Status and will lose all financial aid eligibility until the student is in compliance with the SAP standards. A student whose aid eligibility has been suspended may appeal for a Probationary Semester by:

1. Completing a SAP Appeal form
2. Writing a letter explaining the specific circumstances attributable to their noncompliance
3. Meeting with an academic advisor or Financial Aid staff to develop strategies for successfully completing the students' academic career.

An appeal must be based on significant mitigating circumstances that seriously impacted academic performance. Examples of possible mitigating circumstances are serious illness, severe injury, death of a family member, and other similar situations. Also,

the student will need to describe what has changed in their current situation that will allow the student to demonstrate SAP at the next evaluation. The student will be notified of the appeal decision via their email and the decision is final.

If a student's appeal is approved, they will generally be placed on an "Academic Plan" and the student will be notified via email. The student will be considered for federal aid during a probationary period but only for the semester that is current at the time the appeal is submitted - aid will not be reinstated retroactively. Once the probationary semester has concluded, the student's progress will be reviewed. Continuation of federal aid eligibility will be based on adherence to the "Academic Plan" and the general requirements of a probationary period, which requires the student to earn all credits attempted (no W's/Withdrawals or NP/Not Passed) and to also earn a GPA of at least 2.00

Amelioration

Grades and credits excluded from the calculation of a student's grade point average by amelioration must be included in the evaluation of a student's Satisfactory Academic Progress for both PACE and GPA, per federal regulation.

Repeat

If you repeat a course, it will be added to your attempted credit hours total. However, only the most recent grade received in the course will be included in the calculation of your cumulative GPA/qualitative measure.

Note: Federal financial aid will pay for only one repeat of a previously passed course.

The student's probationary period ends once they are meeting both components: GPA (Qualitative) Standard, and Pace (Quantitative) Standard, as outlined in the Northern Vermont University Satisfactory Academic Progress Policy.

Special Circumstances

Students with documented disabilities may be allotted additional time for completion of courses.

Adjustments to Financial Aid Awards

Financial aid awards may need to be adjusted if a student exits the college during a semester. Federal regulations govern the return of Title IV funds for students eligible for federal financial aid. The university is guided by those regulations with regard to the return of institutional aid as well. Other aid, such as state grants and outside scholarships, will be returned as specified by the grantor. If a student stops attending all classes and does not complete an Exit Notification and/or Leave of Absence Form at that time, their Title IV funds may be adjusted or canceled, and the student will then be personally responsible for his/her bill. If Title IV money needs to be returned, it will be returned in the following sequence:

- Federal Direct Unsubsidized Loan
- Federal Direct Subsidized Loan
- Federal Direct PLUS Loan
- Federal Pell Grant
- Federal SEOG

Employment through the federal work-study program is terminated on the date the student withdraws. Awards from sources other than the university and Title IV funding are adjusted according to the source agency's own policy.

NVU Online follows the same refund policies as noted above. If an NVU Online student withdraws from a course at another institution, the student will be charged the prorated tuition and fees due to the other institution.

Academic Policies, Procedures & Regulations

Student Responsibilities

You are attending Northern Vermont University with the expectation of receiving a high-quality education. We intend to make sure that you do, by providing an atmosphere ideal for nurturing growth and learning. In turn, we have expectations concerning your attitude and actions.

What follows are edited and summarized versions of existing Northern Vermont University academic rules, regulations, and policies.

Academic Advisors

When you are admitted to the University, you will be assigned an academic advisor in the area of your expressed academic interests and career objectives. You can see your advisor on regular class days each semester during his or her scheduled office hours or by appointment. Advisors should serve as your first resource for discussion of academic problems and questions on academic policies. Students may change advisors at any time by submitting a Change of Advisor Form to the Advising & Registration Center on the Johnson campus or the Student Services Office on the Lyndon campus.

The mission of NVU's academic advising program is to assist students in the identification of academic and life goals and the development of a meaningful educational plan to achieve those goals. Through active engagement in a collaborative process, students are encouraged to become self-directed and responsible life-long learners and decision makers.

Goals

- Clarify academic and life goals;
- Develop meaningful educational plans;
- Select appropriate courses and other educational experiences;
- Interpret and keep track of the fulfillment of institutional requirements;
- Increase student awareness of co-curricular educational resources;
- Enhance decision-making skills, self-direction, self-advocacy, and self-responsibility;
- Inculcate the habit of life-long learning;
- Promote engagement in the educational community.

Course Substitution Options

Course substitutions and waiver requests may be reviewed on a case by case basis. Appeals for courses to be accepted towards the General Education Core Curriculum are reviewed by the General Education chairperson(s). Appeals for courses to be accepted toward a major requirement are reviewed by the chairperson of the department offering the major. Appeals for courses to be accepted toward overall degree requirements are reviewed by the Academic Standards Committee(s).

Course challenges - Some departments may offer students the ability to demonstrate possession of knowledge that would allow the award of credit. Additionally, the Vermont State College's Office of Prior Learning Assessment, currently housed at Community College of Vermont, administers course challenge exams for CCV courses and are accepted at all Vermont State Colleges. VSC Policy 110 provides guidelines for course challenge opportunities within the Vermont State Colleges. Maximum credits allowed to count toward an NVU degree through course challenge are 12.

Assessment of prior learning - Employment experience, volunteer work, vocational or professional training- can provide a substantial body of knowledge that may complement or substitute for formal college study. In cooperation with the Office of Prior Learning Assessment of the Vermont State Colleges, NVU awards credit for demonstrated competency from prior learning and life experience. Students enroll at the Community College of Vermont for a portfolio course where they demonstrate previous learning acquired on the job, in the military, through volunteering, or self-study. The maximum credit awarded will depend on the portfolio course selected, and the individual student.

Credit Definition

The University adheres to the widely-accepted definition of a credit hour consistent with the Carnegie unit. A single credit hour over a 15-week semester is a minimum of three hours of work per week: one hour in class and two hours outside of class. Laboratory courses meet for a minimum of two hours per week. An equivalent amount of work is expected for accelerated courses or those taught in other term durations or delivery modes.

Course Offerings

NVU's catalog of course offerings over the current academic year appears in this publication. While the University will attempt to follow this planned schedule, changes in curriculum or in course enrollments may necessitate adjustments. While you and your advisor should use the catalog for planning, NVU is not responsible for any changes in your plans that might be caused by necessary alterations in this tentative schedule of planned course section offerings.

The final version of the University's course section bulletin for each semester is the official announcement of course section offerings for that semester. The University reserves the right to make changes regarding the announced instructors for course sections or to cancel course sections for lack of sufficient enrollment.

Internships and Cooperative Education

While there is great value in your classroom experience, one of the best ways to learn is to combine your classroom education with practical work experience under the guidance of your professors. NVU's internship and cooperative education programs provides this important experience.

Students hold internships in diverse settings including social service agencies, local newspapers, ski areas, and radio and television stations. In all internships and co-ops, students are introduced to opportunities, duties and responsibilities in their desired career areas. In many cases, students are paid by the employer for the work experience.

All students with sophomore standing, a 2.0 grade-point average, and at least one semester at Northern Vermont University are eligible to participate in the program through departments sponsoring internships and cooperative education placements. Some departments have additional requirements (such as completion of specialized courses or the General Education Core Curriculum). Educational goals and appropriate assignments for each course are developed by the supervising faculty member in consultation with the student. Internships and cooperative education courses are measured in credit hours.

A minimum of 45 hours of approved work experience, plus documentation and evaluation of learning by the student, are required for each credit hour granted for an internship and cooperative education experience. Internships, as approved by sponsoring departments and Career Services, may be taken as P/NP or for a letter grade. See the Career Services Office on the Lyndon campus and the Career and Internship Center on the Johnson campus for complete regulations.

Veterans' Benefits for Co-Op Courses

In compliance with the requirements of VA Regulation 14265, eligible co-op courses that are accepted by the Vermont State Approval Agency and certified by NVU as "in-residence" course work must be directly supervised by the university, be required for graduation, include regularly scheduled class attendance of at least 50 minutes per week to provide for interaction between instructor and student, consist of a planned program of activities controlled by the school and not by the official of the job establishment, and include a schedule of time required for the training that demonstrates that the student shall spend at least as much time in preparation and training as is normally required for other resident courses.

Because the Cooperative Education contract must be submitted to the State Approval Agency, there may be some delay in receipt of the first VA benefit check for the semester. Cooperative Education courses not meeting the requirements of VA Regulation 14265 shall be certified as "independent study" and as such are not treated by the VA as full-time attendance unless combined with more than halftime in-residence course work.

Independent Study

Sometimes students discover a need to cover special topics or projects which are not available in the current schedule. An Independent Study course creates a special curriculum in which a student and a faculty member may explore these areas. Independent Studies are academic and research-based in nature. Each student pursuing an Independent Study works under the direct and regular supervision of a faculty member. The goals, objectives, and performance measures are defined in a formal contract between the faculty supervisor and the student, and approved by the sponsoring department and the Provost or his/her designee. For all students, a maximum of 21 credits of independent study can be taken during pursuit of a bachelor's degree. Students receiving Veteran's educational benefits must comply with specific VA regulations with regard to independent studies. Independent study contracts are available in the Advising & Registration Center on the Johnson campus and in the Student Services Office on the Lyndon campus.

Attendance in Courses

At Northern Vermont University, we believe that sound scholarship includes attendance in all class meetings. **When the instructor has not announced an attendance policy, a student who misses more than twice the number of class meetings per week in any on-campus or hybrid course may be dismissed from that course with a failing grade.**

Students who register for a course prior to the first week of the semester or during the first day of the semester are expected to attend at least one of the first two class sessions. The instructor may fill absent places with students wishing to enter the section and refuse entry to absent students when they appear (in this case, it is the responsibility of the registered student to drop that section from their class schedule).

Individual instructors may establish their own attendance policies in online courses. In accordance with 34 CFR 668.22 Return of Treatment of Title IV Funds, **attendance is mandatory in the first week for every NVU Online course**, and failure to participate in an "academically-related activity" may result in a student being dropped from the course.

Academic Honesty

Academic dishonesty is a serious offense against the university and its entire community of learners. Academic dishonesty includes any act that is intended to deceive, cheat, or defraud so as to enhance or promote one's own or another's academic standing, or to diminish another's academic standing. Academic dishonesty also includes plagiarism.

An instructor suspecting a student of academic dishonesty shall inform the student of the charge and its basis in fact, and give the student an opportunity to respond. Should the instructor subsequently determine that the student has committed an act of academic dishonesty, s/he may impose sanctions for the offense to include failure of the assignment, failure in the course, and dismissal from the course. The instructor will notify the student in writing of his/her decision, as well as the sanction associated with the offense, and submit a copy of that letter to the Office of Academic Affairs. Other possible judicial sanctions may be

imposed by the Provost, or his/her designee, the Dean of Students, or the Academic Status Committee following appropriate notice from the faculty member. Students may appeal the action of an instructor under the general procedure for "Academic Appeals," which is included near the end of this section.

Basic Skills Competencies

Recognizing that basic writing and mathematics skills are essential to successful completion of college-level work, and in accordance with the Vermont State College System's Basic Academic Skills Policy, Northern Vermont University assesses the skill level of all new students in these two areas. On the basis of this assessment, students who do not possess college-level skills in either or both of these areas are directed into courses designed to address their skill deficiencies. These courses should be taken during the student's first year.

Students with disabilities are invited to work with the Academic Support staff for assistance in fulfilling this requirement. Accommodations are available for students with qualifying disabilities under Section 504 of the Rehabilitation Act of 1973 and appropriate sections of the Americans with Disabilities Act of 1990.

Academic Standing and Grading

Good Academic Standing

NVU complies with VSC Policy 111, which defines good academic standing within the Vermont State College System. A student who has 30 or more earned or GPA credits, whichever is higher, and whose cumulative grade point average is 2.00 or above (1.75 for students with fewer than 30 earned or GPA credits, whichever is higher) is considered to be in good academic standing. The cumulative and semester averages are calculated by including only the graded credits (A, B, C, D, F) earned during the current and past semesters. These averages do not include courses bearing other grade designators (e.g. grades of Incomplete).

Incomplete Grades in Relation to GPA/Good Standing

Calculation of a semester or cumulative grade point average does not include any Incomplete grade that a student has earned during the semester. Students who receive an Incomplete grade in one or more courses during a semester are held academically liable for the completion of the course. Students who have an Incomplete grade for a semester at the time final grades are recorded will not be eligible for the Dean's or President's Lists.

Academic Probation

Academic probation serves as an official warning from the university that a student's performance has been substandard. A student whose cumulative GPA falls below good standing (see above) shall be placed on academic probation. Students remain on academic probation until they raise their cumulative grade point average to good standing or until they fall below the dismissal standard (see "Academic Dismissal.") Students on academic probation may be required to work with an advisor to create a plan for academic success. When a student voluntarily withdraws from the university while on probation or is academically dismissed and later readmitted, s/he will return on probation.

Academic Dismissal

Students will be academically dismissed under the following conditions:

- Any new, first-year student with no previously earned credits who fails to achieve a grade point average of at least 0.70 in the first semester will be academically dismissed.
- Students on academic probation will be academically dismissed if they fail to achieve a semester grade point average of 2.00 having 30 or more earned or GPA credits, whichever is higher (1.75 having fewer than 30 earned or GPA credits, whichever is higher), during the semester on probation.

Grading

Northern Vermont University recognizes the necessary right of instructors to assign grades to student academic performance. Grades given under an instructor's informed judgment and without prejudice are an essential part of the exercise of academic freedom. Students who believe that a grade was assigned with undue treatment or procedural error should consult the "Academic Appeals" section.

With the exception of Incompletes, most changes of grade, including those requested by the instructor, must be approved by the Academic Status Committee.

Semester and Cumulative Grade-Point Averages

Quality points earned in each course are calculated by multiplying the number of quality points for each letter-grade by the number of credits in the course. Thus, a three-credit course graded "A" will yield 12 quality points, and a five-credit course graded "B" yields 15 quality points.

The semester grade-point average is calculated by dividing the total letter-graded credit hours attempted during the semester into the total quality points earned during the semester. The cumulative grade-point average is calculated by dividing the total letter-graded credit hours attempted into the total quality points earned.

The following letter grades are used at Northern Vermont University and employed to calculate the semester and cumulative grade-point averages:

Grade	Explanation	Grade Points
A+	High Competence	4.00
A	High Competence	4.00
A-	High Competence	3.70
B+	Good Competence	3.30
B	Good Competence	3.00
B-	Good Competence	2.70
C+	Moderate Competence	2.30
C	Moderate Competence	2.00

Grade	Explanation	Grade Points
C-	Moderate Competence	1.70
D+	Minimum Acceptable Competence	1.30
D	Minimum Acceptable Competence	1.00
D-	Minimum Acceptable Competence	0.70
F	Failing	0.00
I	Incomplete	
P	Pass	
NP	No Pass	
NG	No Grade (yet submitted)	
TR	Transfer Credit	
CR	Credit Granted (non-course work)	
W	Withdrawn	
AU	Audit	

Pass/No Pass Option

Students may enroll in a course on a P/NP basis if the course is identified in the Class Bulletin or Course Description as being offered on a P/NP basis.

Credit is received for P grades, but the grades do not affect the student's grade point average. Failing work is recorded as NP (No Pass). NP grades do not earn credit nor does the grade affect the student's grade point average.

Courses taken as P/NP may not be used to fulfill NVU General Education Core Curriculum requirements.

Internships, as approved by sponsoring departments and Career Services, may be taken as P/NP or for a letter-grade.

Incomplete

The grade of Incomplete (I) may be given to work of satisfactory quality when the amount of required work has not been completed because of illness or other reasons beyond the control of the student. A grade of I is not to be used instead of the grade of F in situations involving a student's lack of ability or negligence. Grades of I will automatically revert to an F if a final grade, or alternate default grade, is not submitted to the Registrar's Office prior to the Incomplete deadline submitted by the instructor. In general, grades of Incomplete are to be completed by the end of the seventh week of the semester immediately following the semester in which the Incomplete grade was given. Courses carried through with an I into the following semester do not count toward the student's credit load for tuition billing purposes or for additional credit toward graduation in the second semester. If a

grade change is received after the start of the next term, academic standing may be adjusted only if it improves standing (not to include being named to Dean's or President's List). Students who receive an Incomplete grade in one or more courses during a semester are held academically liable for the completion of the course.

Not Graded Work

The grade of NG may be given for a course when an instructor has not yet assigned grades for the course. This may happen when a course is still in progress at the semester deadline for grade submission. Course work carried into a second semester with a grade of NG does not count toward a student's credit load for tuition billing purposes or for additional credit toward graduation in the second semester.

Credit Granted (CR) for Non-Course Work

Students who are granted credit on the basis of CLEP examinations, military credit, lifetime experience portfolios, AP courses or other similar circumstances (as determined by Northern Vermont University) will receive a CR in the grade field. CR distinguishes the credit from TR, which is used for credits that are transferred in from another college or university.

Auditing a Course

No credit or grades are assigned for auditing courses. For additional information, refer to the section on auditing courses.

Non-Use of Grades and Credits/Academic Forgiveness

Students may petition to the Academic Status Committee to have selected courses removed from calculation in their cumulative grade point averages. In general, there are three scenarios by which a student may appeal:

1. A student who has not attended for two years, and who after returning for one term in Good Academic Standing, may petition to have selected grades below a C from a previous semester ameliorated.
2. A student who has been continuously enrolled, but who changes his/her academic program, may petition to have selected courses that were required in the former program but are not required in the new program ameliorated.
3. A student wishes to request amelioration for any course eliminated from the curriculum by the Faculty Assembly or that has not been taught for five years, because the student had no opportunity to repeat the course to improve his/her GPA.

Grade amelioration is noted on the permanent NVU transcript, and the course or grade being removed from GPA calculation will remain. Grade history will be removed from cumulative totals only, and grades cannot be ameliorated if they have already been included in calculations for awarding a degree.

Grade amelioration is permitted only once in a student's Vermont State College academic career.

Class Standing/Membership

Students are classified for academic class standing/membership and administrative purposes on the basis of semester credits earned according to the following schedule:

Number of Credits Earned	Academic Class
0-29.9	Freshman
30-59.9	Sophomore

60-89.9
90 or more

Junior
Senior

Catalog Year and Degree Requirements

Catalog Year

Students must meet graduation and degree requirements - including satisfactory completion of appropriate graduation standards - as published in a single catalog that is in effect during or after the semester of their first enrollment, and published not more than seven years prior to the award of the degree (that is, the current academic year plus the previous six academic years). If a student takes longer than seven years to complete a degree, or is readmitted under a new catalog year and wishes to continue working under a prior catalog year, a written appeal may be made to the Registrar's Office (current teach-out plans and course offerings will be considered when granting an appeal). Students must declare programs and catalog year prior to applying for graduation.

Catalogs, until surpassed by the next edition, have an effective date of the first day of the fall semester of the year in which they are published. A student who began study in a degree program while the program was then available, and who completes requirements within the specified time limits, may be awarded a degree from their own catalog year even if the program is not listed in the most current catalog.

Application for Award of Degree

The responsibility of your education ultimately rests in your own hands. Likewise, the timely completion of the paperwork and processes associated with the award of your degree is your responsibility. Failure to take the required steps for review and application for degree may delay your graduation even if all other graduation requirements have been completed. The Registrar and designated staff review the academic records of students who have applied to graduate. Students are encouraged to work closely with their advisors to ensure that they register for and complete all required coursework and other requirements for degree completion.

Only students who are currently matriculated may graduate. Students absent from the college and not on a Leave of Absence who are seeking to complete a degree with NVU courses must apply for readmission.

It is highly recommended that candidates submit a graduation application through Web Services prior to registering for their last semester of enrollment and review their Program Evaluation in Web Services with their advisors every semester prior to registration.

The final deadline for applying to graduate is:

- For December graduates - at the end of the preceding spring pre-registration period for fall classes (this is normally in April).
- For May and August graduates - at the end of the preceding fall pre-registration period for spring classes (this is normally in November).

Applications for graduation are made for a specific degree or degrees with specific major(s), minor(s) and/or concentrations in a specific catalog year. The degree audit is based upon that application only, and any changes to the declared degree program(s) may result in a delayed graduation date.

Minimum Acceptable Grades and Cumulative Grade Point Averages

The minimum acceptable grade is a C- or P for the granting of transfer credit. The minimum acceptable grade, in courses taken within the Vermont State College System, is a D- or P with the following exceptions:

- Some programs, including those leading to licensure, may require a higher minimum passing grade. Please consult with your academic advisor for individual program requirements.
- Some programs may require a higher minimum passing grade for a prerequisite on selected courses.

A minimum acceptable cumulative grade point average of 2.00 is required in the sets of courses submitted to fulfill the General Education Core Curriculum, and in all undergraduate majors, certificates, Associate's Degrees, and Bachelor's Degrees.

Residency Requirement and Matriculation

A matriculated student is one who has been formally accepted by the university as being registered in a degree program. All matriculated students have a minimum number of credit hours that must be taken at the university. For a bachelor's degree 30 credits, including substantial advanced work in the major or concentration must be taken at NVU. For associate's degree, at least 15 credits must be taken at Northern Vermont University.

Conferring of Degrees

Degrees are conferred in a Commencement ceremony which takes places at the end of the spring semester. Diplomas are dated August, December, or May for students completing studies in summer, fall, or spring semesters respectively. Students will receive their diplomas in the mail after completion of all degree requirements is verified by the Registrar's Office.

Transcript of Academic Work

VSC Policy 111 outlines the policies governing academic records, including students' academic transcripts. Since 2002, all credits taken within the Vermont State College System are considered institutional credit and show on all VSC transcripts. The VSCS institutions use school-specific transcript grouping to account for credits earned at their institutions prior to 2002, as well as school-specific transfer credit evaluation.

As of July 1, 2018, Johnson State College and Lyndon State College unified to become Northern Vermont University. The university houses the transcripts of Johnson State College and Lyndon State College, in addition to Northern Vermont University transcripts. Students who were previously enrolled at JSC or LSC and continued on to NVU had their pre-2002 credits and transfer credits associated with their most recent JSC or LSC academic program brought forward to the NVU transcript.

Northern Vermont University uses *Parchment* as our trusted agent for processing transcript requests as well as delivering official academic transcripts electronically. This is a "green initiative" that provides the fastest delivery time and enables tracking of delivery and receipt. For more information, see northernvermont.edu. Transcripts for students with past-due bills or other obligations to any of the Vermont State Colleges will not be released until all bills are paid. Students requesting a transcript toward the end of any semester should indicate whether they want the transcript sent immediately or whether it should be held until final grades are recorded.

Release of Records and Information

Northern Vermont University complies with VSC Policy 312, which defines students' rights and responsibilities, and the definition of Education Records under the Family Educational Rights and Privacy Act (FERPA) of 1974. The NVU official academic records includes, but is not limited to, the basis of admission to the university, previous higher education and courses transferred, academic work pursued at NVU, and information pertinent to academic standing, such as notices of probation or dismissal, Dean's/President's List honors, and waivers or other documents affecting progress toward a degree. No information

concerning non-academic discipline appears in the academic record. Students have the right to inspect their academic records and challenge any information that they believe to be inaccurate or misleading.

In accordance with FERPA, NVU will not release personally identifiable records of a student to any individual, agency, or organization without the student's prior written consent, except as provided by the law. NVU may maintain student "directory information", which is information that would not generally be considered harmful to the student or an invasion of privacy, if disclosed. VSC Policy 312 contains a full description of items considered "directory information" at the Vermont State Colleges. Unless the student notifies the institution that no information should be released, directory information may be made available at the discretion of university officials.

Transfer Credit

Transferring Credits from Other Colleges & Universities:

Official transcripts are required for NVU to evaluate credits earned elsewhere for possible transfer. NVU complies with VSC Policy 108 which outlines the requirements for acceptance of transfer credit within the Vermont State Colleges. NVU will accept credit from other colleges and universities under the following conditions:

- Credit from regionally accredited institutions will be accepted if grades are C- or better.
 - In a sequence of inter-related courses, if the first course is passed with a grade below C- but the second grade is C- or higher, both courses will be accepted.
 - Credits applied to a previously earned degree will be accepted as transfer credit.
- While credits may be accepted toward overall credit requirements, the extent to which transfer credits fulfill specific major or program requirements will depend on the courses taken and their applicability to NVU's requirements.
- Students will be considered to have fulfilled the entire General Education Core Curriculum (GECC) at Northern Vermont University if they transfer from another accredited institution with an Associate Degree (A.A. or A.S.).

Courses may be transferred in to a program at NVU in one or more of these ways:

- As a course equal to a course at NVU (e.g., Introduction to Psychology = Introduction to Psychology). The standard for a true course-to-course "equate" is high, as the course being transferred in must meet the same requirements as the course at NVU. In some cases, a course accepted for transfer credit may count toward a general-education requirement but not be specific enough, or delve deeply enough into the subject matter, to count as a course or prerequisite required for a certain major.
- As a general-education requirement equivalent (not necessarily a course-to-course equivalent)
- As a major requirement equivalent or substitution (not necessarily a course-to-course equivalent)
- As an elective credit counting toward total credits needed for graduation.

Registration in Course Sections

Students pursuing a bachelor's or associate's degree from NVU must be formally accepted through the Admissions Office before they may be registered for courses.

Continuing undergraduates are expected to register for their courses in November for the following spring semester and in April for the following summer and fall semesters. Students are notified of exact dates and instructions via email one to two weeks prior to the registration period.

NVU Online students receive registration materials well before the start of each semester, and confer with their advisors, who must approve course selections and who can register the students for classes. When registering for courses at institutions outside of the Vermont State Colleges, NVU Online students submit a tuition transfer form available from the NVU Online Office. Class

attendance does not in itself signify registration. Students must properly register for each of their courses in order to receive academic credit for work completed.

All students must meet state immunization requirements and must be cleared by Student Services (see Tuition and Fees section for details) in order to register for classes.

Course Add/Drop/Withdrawal

Students approved for online registration may add and drop courses through Web Services.

For full-semester courses, students may add courses through the first week of the semester without instructor permission. After the add period, students may only add a course after obtaining the instructor's permission. Students who drop a full-semester course within the first two weeks of the course will have the course removed from their record. This may result in an adjustment to the student's bill and financial aid.

After the 2-week drop period, and through the 60% point of the semester (usually the 9th week in a 15-week semester), a dropped course is listed with a grade of "W" on the official transcript (a.k.a. course withdrawal). A "W" grade will not impact a student's grade point average. In most cases, dropped courses with a "W" grade do not affect a student's bill or financial aid award but may affect other eligibility such as VA benefits, athletic participation, and student visa status.

If a student drops all enrolled courses for a term, the student will be considered as having fully withdrawn from the university (see Leave of Absence & Withdrawing).

After the 60% point, the student may not drop the class and receives the grade earned at the end of the semester.

Students unable to meet registration adjustment deadlines due to extenuating circumstances may appeal for late add/drop adjustments to the Academic Status Committee.

Courses that do not meet for the standard term duration follow a formula-based add/drop calculation. Course duration is the number of calendar days between the start and end date of the section.

- Add: 6% of course duration
- Drop: 60% of course duration. A grade of W (a.k.a. course withdrawal) is assigned after 13% of the course duration.

Student Course Load

A typical, full-time course load is 15 to 16 credit hours per semester. Full-time undergraduate students must carry at least 12 credit hours. To carry more than 18 credit hours, a student must obtain written approval from the advisor and the Associate Academic Dean, and should have a cumulative grade-point average of at least 3.00.

Auditing Course Sections

Students may audit a course section with the approval of the Registrar and the course instructor. No grade or credit is conferred. After the deadline for adding a course, no change will be made either to allow credit for a course audited, or to change a regular course to the status of an audited course. For financial implications of auditing a course, please see the section on Tuition and Fees.

Repeating Courses

Students may repeat, once, any course* that they have previously taken to attempt to earn a higher grade. When a course has been repeated within the Vermont State College System (VSCS), the initial grade remains on the transcript but is taken out of the student's cumulative GPA. The most recent grade will be the only one computed in the student's cumulative average. Credit in the course may be earned only once. If the credit value of the course has changed, the repeated course is worth the new credit value. A student must contact the Registrar's Office to repeat a course more than one time.

When repeating a course at another institution outside of the VSCS, the initial grade remains on the transcript and is still counted in the student's cumulative GPA. The grade from the repeated course being transferred to NVU will show as transfer credit and may fulfill degree requirements but will not be counted in the student's cumulative VSCS GPA.

Students may request to use the Pass/No Pass option when registering for a repeat course, except for courses in their major or minor, or in the NVU General Education Core Curriculum. Grades of P/NP will have no impact on the student's GPA.

**Some courses as indicated in the Course Descriptions section of the catalog may be taken multiple times for credit.*

VSCS Cross Enrollment

The Vermont State Colleges System Consortium agreement enables students in degree or certificate programs at one VSCS institution to enroll in courses at another VSCS institution. The agreement outlines the impact on registration, billing, financial aid procedures as well as academic policy considerations. Students wishing to stay in their current degree program and enroll exclusively at another VSCS institution must complete a VSCS Non-Home School Enrollment form. Students may enroll exclusively at another VSCS institution for a maximum of two semesters while maintaining an active program at their home school.

Taking Courses as a Non-Degree Student

Non-degree students are students who wish to take one or more undergraduate course(s) at NVU for credit but who are not formally admitted as matriculated (degree-seeking) students. To be eligible to enroll in courses as a non-degree student, students must have a high school diploma or a GED, unless they have been approved to take courses through one of NVU's Dual Enrollment or Early College programs. Students who wish to enroll as a non-degree student should request registration information from the Registrar's Office. Non-degree students may enroll in all courses listed in the catalog, if space is available. In most cases, non-degree students are ineligible for state, federal or college-sponsored financial aid; however, they may be eligible for the VSAC non-degree grant. (Graduate courses are generally available only to students who have completed a 4-year degree.)

Leave of Absence and Withdrawal

Withdrawing from the College

A student voluntarily exiting from the university must do so formally by completing a Student Withdrawal Notification & Leave of Absence Form.

Students withdrawing prior to or during the first week of a semester will be dropped from all courses, and granted a full refund of tuition and fees.

The transcripts of students withdrawing from the university after the first week of a semester and prior to the 60% point in the semesters (week 9 for a 15-week term) will show W grades for all courses in that semester. The transcripts of students exiting the university after 60% point in the semester will show earned grades of A-F submitted by their instructors at the end of the semester.

Students who withdraw from the university and who are not eligible for a Leave of Absence (see below) may reapply by making formal application with the Admissions Office.

For refunds on room, meal plan and tuition charges, see the Tuition and Fees section in this catalog.

Leave of Absence

Students who have earned academic credit at NVU, and are in good academic standing (minimum 2.00 GPA if 30 or more earned credits; minimum 1.75 GPA if fewer than 30 earned credits), may take a leave of absence from the university for up to three consecutive semesters (including summer).

Students who have not enrolled for four consecutive semesters at the university are considered inactive and must reapply for admission prior to re-enrollment. Inactive students who subsequently return to the university may be subject to the applicable catalog degree requirements of the semester of their re-enrollment.

Students who do not have any earned NVU credits, or whose cumulative GPA is not in good standing, are not eligible for a leave of absence and must reapply to the university when they would like to resume their studies.

Honors

Graduating with Distinction

Effective with the graduating class of Spring 2006, of the total credits required for graduation, at least 30 graded credits for a two-year degree and 60 graded credits for a four-year degree must be earned within the Vermont State College System (VSCS) by the end of the previous fall semester. (Credits earned before 2002 are not used in this calculation unless earned from either Johnson State College or Lyndon State College.)

Graduating students who have earned a cumulative grade point average of 3.90 or better will be awarded the distinction "summa cum laude." Those who earn a 3.70 average will be awarded the distinction "magna cum laude." Those who earn a 3.50 average will be awarded the distinction "cum laude."

(If the above standards are obtained by the end of the spring semester of the graduating year, and not prior to, the appropriate distinction is recorded on the diploma and transcript but is not acknowledged at Commencement.)

Graduation honors for certificate programs require final, cumulative GPA as follows: honors, 3.00-3.49; high honors, 3.50 or above.

Other curricular awards are also presented at the close of the spring semester to graduating seniors in specific areas of study.

Dean's and President's Lists

Matriculated (degree-seeking) students who complete 12 or more Vermont State College System (VSCS) graded credits in a single semester and who have no Incomplete, NP, NG, F, or blank grades are eligible for the President's and Dean's List under the following standards.

- Students who achieve a 4.00 semester average will be placed on the President's List.
- Students who achieve between a 3.50 and 3.99 semester average will be placed on the Dean's List.

Academic Appeals

Appeals of Academic Standing

A student who has been academically dismissed may appeal his/her academic status by writing a letter to the Academic Status Committee (for campus-based students) via the Registrar's Office or to the Academic Review Board (for NVU Online students). This letter of appeal should include any mitigating or extenuating circumstances that may have contributed to the poor academic performance. Decisions of the Academic Status Committee/Academic Review Board may be appealed to the Provost or his/her designee, then to the President of the university. Students who successfully appeal academic dismissal may be placed on stipulated probation and may be required to sign a contract to abide by conditions set forth by the Academic Status Committee or the Provost, or the Academic Review Board. Failure to comply with any portion of the contract/stipulations may result in immediate dismissal from Northern Vermont University.

Appeals of Section 504 (the Rehabilitation Act of 1973) and of ADA (Americans with Disabilities Act of 1990)

For this section, working days are defined as days when the majority of university administrative offices are scheduled to be open for business.

An NVU student who feels that she or he has not received appropriate accommodations from the university for a documented disability has a right to file a complaint under the ADA. Students may also file complaints under Section 504. This procedure is designed to protect the rights of qualified disabled persons while also preserving the discretion of the university under the above statutes.

Students with complaints may use an informal process, presenting their complaints to the Provost or designee. A complaint must be submitted within 30 working days of the date on which the complainant could reasonably have known of the alleged denial or omission of an appropriate accommodation. Consulting with faculty or staff as well as the student, the Provost or designee will issue a written statement of resolution within 30 working days.

Formal appeals from a complaint resolution must be presented in writing to the President within 15 working days of receipt of the resolution. The President shall conduct an investigation of the complaint within a reasonable amount of time. The complainant may be represented by another university student or employee during the university process of appeal. Within 30 working days of the receipt of the appeal, the President shall issue a written decision, which shall be the final university ruling on the complaint.

There are four government avenues of complaint for alleged discrimination or failure to provide reasonable accommodations under Section 504. The second U.S. District Court has held that Section 504 permits private actions and that exhaustion of administrative actions is not a prerequisite to judicial action. Thus, a student may simultaneously or separately file complaints:

1. through the Vermont Attorney General's office;
2. through a civil action in a Vermont district court;
3. through the college's appeals process; or
4. with the Regional Civil Rights Director.

Appeals of Other Academic Policies

Students may appeal actions and decisions involving academic policies where they allege unfair and/or wrongful treatment or procedural errors. Students are entitled to due process and this policy is intended both to preserve academic freedom and to recognize students' rights.

Both an informal and a formal appeal process are available, and students may initiate an appeal by contacting the Provost's Office.

Tuition and Fees

Tuition & Fees, 2020-2021 Academic Year

Standard rates and fees are available on the Northern Vermont University website.

Full tuition and fees are charged to undergraduate students registered for 12 to 18 credit hours per semester. Students taking fewer than 12 credits are considered part-time students and are billed for the credit hours they take.

Students taking more than 18 credits are billed on a cost-per-credit basis for any additional credits above 18.

Vermont residents who are 65 or older as of the first date of Fall 2020 classes may audit one undergraduate course per enrollment period without tuition charge. Additional courses may be taken without limitation, up to and including completion of a certificate or undergraduate degree, at the rate of 50% of the charged tuition. To be eligible, such persons may not take the place of full tuition paying students in courses with enrollment limits. Course specific fees, including registration fees, shall be the responsibility of the student. All other student fees are waived.

Room & Board

Students living in the college residence halls are charged per semester for room and board. All students living in the residence halls are charged the full-meal plan (21 meals per week) each semester. Students may arrange for an alternate meal plan by submitting a Meal Plan Change Form, which is available on the Portal under Web Services - Student Billing & Finances, by the end of the first week of classes each semester.

Additional Fees

Fee	Campus Based Undergraduate	NVU O
Application for Degree Fee	\$125	\$12
Course Fee	Varies per course	Varies per
Orientation Fee	\$385 Fall Semester \$195 Spring Semester	N/A
Rhetorical Expression Challenge Exam	N/A	\$10

Explanation of Fees & When They Apply

Application for Degree

This fee covers the costs of a review of the degree plan, a diploma, and Commencement-related activities. All students are charged this fee regardless of their attendance at the Commencement Ceremony. Students receiving degrees at separate ceremonies will be charged the full fee each time. Graduates attending Commencement exercises are required to purchase a cap and gown, at an additional cost through the University bookstore.

Auditing Courses

Students may audit courses with the approval of the Registrar and the instructor of the course. No credit is received for audited courses, and the tuition is charged at 50% of the applicable rate. All fees are charged at full cost. After the period to add a course, no change will be made to either allow credit for a course audit or to change a regular course to the status of an audited course. The remaining tuition may not be reduced by any other tuition waiver.

Books & Supplies

Students should budget at least \$500 per semester for books and supplies. The Bookstore operates on a cash basis and does not extend credit, but it does accept major credit cards. Additionally, during the add/drop period, students who have been given clearance by Student Administrative Services may charge books and supplies to their student account. Forms may be obtained at the Bookstore.

Campus Initiative Fee

This fee supports the development of facilities and other campus needs for NVU students. The fee is \$452 per semester for full-time students. Part-time students taking fewer than 12 credits pay \$38 per credit.

Course Fee

Certain courses require billing of fees to cover special materials and/or unique studio or instructional costs. Course fees are listed in each semester's course bulletin and on Web Services/Search for Sections.

Health & Accident Insurance

With the exception of NVU Online students, health insurance is mandatory for all full-time undergraduate and graduate students not otherwise covered. A student must either accept the university insurance or certify their existing coverage through the health insurance link in VSC Web Services. This must be completed before the student's payment will be considered finalized. Failure to complete this will result in the student automatically being enrolled and billed for the university insurance.

Late Financial Clearance Fee

This fee can be charged to students who do not meet the published deadline for finalized payment.

Orientation Fee

This fee covers the cost of the Orientation Program, which acquaints new, on-campus students with the respective NVU campuses, NVU resources and services, and students, faculty and staff.

Rhetorical Expression Challenge Exam Fee

NVU Online students have the option of taking a challenge exam to test out of the *Rhetorical Expression* course, which is a requirement to graduate. The fee for this exam is \$100.

Student Activity Fee

This fee, which covers the expense of student clubs, activities, and publications, is \$154/semester for full-time, matriculated undergraduate students and \$13/credit for students enrolled in fewer than 12 credits. *Note: NVU Online students are exempt from this fee.*

In-State Residency Requirements (VSC Policy 301)

Vermont State College Policy 301 specifies the requirements that a student must meet in order to be granted resident status for the purpose of admission, tuition and other charges at a Vermont State College. VSC Policy 301 may be read in its entirety here. (Select Policies & Procedures" under "About VSC" at www.vsc.edu, then "Student Affairs Policies.")

Payment Procedures

Finalize Payment with the Office of Student Administrative Services

All students must finalize payment with Student Administrative Services. "Finalize Payment" means that:

- All semester charges and any previously due balance are paid in full or covered by a monthly payment plan sufficient to cover tuition and fees for the semester; AND
- All financial aid (grants, loans and scholarships) is ready to be disbursed, if applicable; AND
- The student has either elected or waived the VSCS health insurance.

Monthly Payment Plan

Students may sign up for a monthly payment plan by accessing Student Administrative Services on the Portal. Students using this plan will be considered to have finalized payment upon confirmation of plan participation. The plan enables the student or parent to pay all or part of the semester's charges in four, five or six equal installments starting June 1. (Participation in the plan also may start after June 1.) Visit the Portal or call Student Administrative Services at 802.635.1671 for more information.

Payment Due Dates

Student bills are posted to the Student Administrative Services section of the Portal on the 1st and 15th of each month. Payment due dates are also posted on the NVU Portal. A late fee applies if payment is not finalized by the payment due date. Students owing money from prior semesters may not register for classes until the outstanding balance is paid. Current-semester bills that are not paid in full by the end of the semester will result in withholding of transcripts and possible administrative dismissal until a satisfactory settlement is made.

Students can receive supplemental charges during a semester for such items as residence hall charges or parking fines. These charges are listed on student bills and can be viewed on the Portal. Payment is due 30 days from the date on the bill.

Application of Financial Aid Awards

Financial aid that has been reported to Student Administrative Services is credited as follows:

- Grant funds authorized by Student Administrative Services are credited directly to student accounts.
- State grants and/or outside aid are considered as pending and are not credited to a student's account until the funds are disbursed to the university.
- Federal Direct Loans are credited to student accounts after promissory notes and entrance counseling have been completed.
- Students who anticipate receiving financial assistance from sources other than the university are reminded to arrange for payments to be forwarded to Student Administrative Services as early as possible. Students are advised to confirm these other sources of financial assistance with Student Administrative Services.
- Direct deposit of earnings (preferred method) or paychecks are issued to students for work-study and other campus employment once they obtain a job and begin submitting time sheets. Anticipated employment earnings cannot be used as a credit against a student's account.
- Students residing off campus and expecting a refund of financial aid funds for living expenses will not receive those refunds until after the add/drop period and their aid has been transmitted.

Refund Policy

Upon complete withdrawal or dismissal from the Institution prior to the 60% point of the term, a student shall be credited tuition, room, and board charges on a prorated basis. Upon complete withdrawal or dismissal on or after the 60% point of the semester no adjustment or credit shall be issued to the student's account.

Date of Withdrawal

The date of withdrawal or dismissal is determined by the Office of the Registrar. Ceasing to attend classes does not constitute the dropping of classes or withdrawal from the Institution. In order to be eligible for a refund/repayment pursuant to the above policy, the student MUST notify the Institution in writing according to the processes outlined on the Institution website. For questions regarding this process, please contact the Office of the Registrar.

Prorated Tuition, Room, and Board Calculation due to Withdrawal or Dismissal from Institution and Residence Halls

The prorated calculation for tuition and room and board uses the number of calendar days completed from the first day of the semester to the time of withdrawal or dismissal divided by the number of total calendar days included for the full term. For all students, including online students, the first day of the semester is the date that classes begin as published in the university catalog, regardless of the date of the student's first class. Even if the number of planned residential days is fewer than the number of academic calendar days, the academic calendar will be the basis of all pro-rata credit calculations.

Prorated Room and Board Calculation Withdrawal from Residence Halls while Remaining Enrolled

In the event a student exits the residence halls, for any reason, while continuing to remain enrolled academically, the Institution will be under no obligation to issue credits or refunds. This includes closure due to a calamity or catastrophe beyond the institution's control that would make continued operation of student housing infeasible, including but not limited to such circumstances as natural disaster, national security threat, domestic insurrection or widespread pandemic.

Return of Funds

If a student receives financial aid, credit received as a result of withdrawal or dismissal is first applied to financial aid sources. Federal regulations are used for return of Title IV funds and individual state, Institution, or outside scholarship policies for return of non-Title IV funds. Because financial aid funds must be used for educational expenses, when a student is receiving financial aid for non-institutional costs and withdraws from the Institution, a portion of this aid must be repaid. The order of distribution for the return of Title IV funds is as follows:

1. Unsubsidized FFEL/Direct Stafford Loan
2. Subsidized FFEL/Direct Stafford Loan
3. Perkins Loan
4. FFEL/Direct PLUS Loan
5. Pell Grant
6. FSEOG
7. Other Title IV programs

NOTE: Ceasing to attend classes does not constitute the dropping of classes or withdrawal from the university. In order to be eligible for a refund or repayment as outlined above, a student MUST notify the Dean of Students and the Registrar's Office of their withdrawal.

Tuition Adjustments

Any adjustments in tuition charges will be based on the courses on record at the end of the second week of the semester.

Administrative Dismissal

Students with outstanding overdue balances on their accounts, and who have not made satisfactory progress towards payment, are subject to administrative dismissal from the university.

Administratively dismissed students must cease attending all classes immediately, do not receive any credit for academic work done during that semester, and remain liable for the unpaid balance. If the student is administratively dismissed after the first seven days and before the end of the 60 percent point of the semester, they will be credited tuition, fees, aid, and room and board on a pro-rata basis. The pro-rata basis calculation will use the number of calendar days completed divided by the number of total calendar days included for the full semester. After the 60 percent point of the semester, there is no adjustment for tuition, fees or room charges.

Veterans Benefit and Transitions Act

NVU complies with VA regulations. As such, individuals who are eligible for chapter 31 or chapter 33 benefits and have submitted a certificate of eligibility AND a request for enrollment certification are eligible to attend and participate in courses and related academic services while NVU awaits payment from the VA.

Campus Life

Click on a link to be taken to the entry below.

- Samuel Read Hall Library
- The Learning Commons
- Information Technology Services

- Student Affairs
 - Students Reporting Absences
 - Emergency Messages
 - Health Services
 - Personal Counseling
 - Student Life
 - Residential Life
 - Rights and Responsibilities
 - Student Activities and Leadership Center
 - Campus Activities Board
 - Adventure Program
 - Student Government Association
 - Student Clubs and Organizations
 - Student Newspaper
 - WWLR Radio
 - Services for Commuters
 - Sports
 - Public Safety
 - The Bookstore
 - The LSC Alumni Association
- Academic Services
 - Academic Support Center
 - Advising Resources
 - Career Services
 - Student Services Office
 - Study Abroad
 - Veteran's Affairs

Being a college student can open a world of possibilities you never dreamed possible. At the same time, college life can be very demanding. The challenge of new ideas, new friends, course work, studying, decisions and adjustments presents endless prospects for personal and intellectual growth. In order to help you make the most of those experiences, Lyndon provides an array of services and opportunities.

Samuel Read Hall Library

The library was named for Samuel Read Hall, the Concord, Vermont schoolmaster who pioneered teacher education and published the first textbook on the principles of teaching. The library, an integral part of the Lyndon Learning Commons, is where students gather to study, have a cup of coffee, do research, use computing facilities, view a film or play a game of chess. Students visit the library because it provides a comfortable and secure space for study and supports student research needs by providing helpful staff and access to high-quality resources.

Library staff teach research skills and information literacy and help all library users find the information they need. In addition to our own collections, the library provides access to information resources at the other Vermont State College libraries and most U.S. and international libraries. The library's online resources are available to our college community across campus and off-site.

The library provides access to several special collections of interest to the campus and local community. There is a Vermont collection focusing on Vermont and Northeast Kingdom history, geography and current events. The library hosts Lyndon State College archives as well as the Instructional Materials and Children's Literature Centers that support the Education Department and local educators.

Information technology support is also available at the INFOdesk located in the main lobby.

Library Mission

The Samuel Read Hall Library supports the academic, intellectual and cultural life of the Lyndon State College community by:

- Developing responsive, user-centered services and information resources.
- Providing friendly, professional staff and a welcoming atmosphere.
- Maintaining comfortable spaces for focused study and collaboration.
- Promoting information skills and critical thinking.

The Library is dedicated to the College's mission of preparing every student for personal and professional success, as well as supporting the information needs of the Northeast Kingdom.

The Learning Commons

Academic Success is central to your life at Lyndon. The Academic Support Center Strives to create a welcoming and information-rich environment to support students in the completion of their educational and professional goals. All students are eligible to receive academic support services at no extra cost. Located in LAC 325, the Academic Support Center houses Project Excel, Student Academic Development, and Services for Students with Disabilities. Make sure to visit us in order to explore the useful services available to you!

Student Academic Development

Student Academic Development includes drop-in tutoring in a variety of subject areas in addition to help with time management, test anxiety, study skills, test-taking strategies, note-taking, English as a second language, and many other academic issues.

Student Disability Services

Student Disability Services provides a broad spectrum of accommodations for students with documented disabilities. Students who would like to talk with someone about educational assistance and/or accommodations should contact the Learning Specialist in the Academic Support Center. Conversations are confidential in nature and need not result in an application for assistance unless the student desires one. Instructors and student support personnel will provide reasonable and appropriate accommodations based on the nature of the disability and the of the course.

Lyndon does not have separate degree programs for students with disabilities; all students must meet requirements for individual courses, general education requirements, and degree programs. The college observes provisions of Section 504 or the Rehabilitation Act of 1973 and the appropriate sections of the Americans with Disabilities Act of 1990 (ADA). For further information, students may consult the Academic Policy manual in the library, the Learning Specialist in the Academic Support Center, or the Dean of Administrative Affairs.

Writing Center

The Writing Center offers free, one-to-one peer consultation on a drop-in basis. Trained Writing Consultants work with writers of every skill level, from the most confident writers looking for constructive feedback to those students for whom writing can feel like a challenge. Located in the Library, the center is open Sunday through Friday.

Advising Resources provides hands-on assistance in course selection, scheduling, and using the online registration system, or other tips related to advising at Lyndon such as how to make the most of meetings with your faculty advisor. Advising Resources offers one-on-one help and take-away resources such as add/drop slips, calendars for mapping your week or your semester, a list of faculty advisor offices, general education courses and checklists, graduation standards information, and more.

Career Services provides a variety of career planning and placement services for all Lyndon community members. Career counseling is available for students wanting assistance in choosing a major or career. Additionally, Career Services works with

the college's academic departments and employers to facilitate internship opportunities for students. The Career Services office and website offer students access to occupational references, self-assessment tools, employer directories, job and internship listings, and college and graduate school catalogs. In addition, Career Services is on both Facebook and Pinterest. Events and workshops are posted on Facebook and both social media pages offer students tips, strategies, and tools related to résumé writing, professional dress, networking, searching for a job or internship, and interviewing.

Career Services disseminates jobs and internship announcements to students, maintains an alumni career network, and assists students in developing job search skills. The information is used in conjunction with workshops in résumé preparation, job search and interviewing techniques in order to provide Lyndon graduates with a competitive edge in the modern work place.

Information Technology Services

The Lyndon State College Information Technology department provides high quality Information Technology services for our learning community. We deliver this service in the context of the vision, mission and goals of LSC and the VSC. The ability to use existing technology and to develop technology skills that are transferable to new tools is integral to the college experience. The campus wide academic and administrative information technology network and its related services bring both the tools and the opportunity to develop important technology skills to every classroom, residence hall room, and office.

Several campus computer labs (providing over 300 Windows and Apple workstations) are available for student use during varying hours throughout the day and night. All students, faculty, and staff are provided with e-mail services (Microsoft Exchange) and network storage (Microsoft SharePoint Services). A Help Desk provides software and hardware support Monday – Friday 8:00AM – 4:00PM. Wireless is accessible in most academic and administrative areas of the college including the Library, Student Center, Dining Hall, Conference Rooms, etc. Our Learning Management System is hosted by Moodle Rooms, our portal is hosted by Ellucian, and our content is stored in Microsoft SharePoint Services.

The services provided by the Information Technology Department expand and change frequently. For the most current information, please see the LSC Information Technology Services website at www.lyndonstate.edu/infotech.

Academic Services

Veterans Affairs

At Lyndon, veterans are encouraged to make full use of the educational benefits to which they are entitled. The benefits recipient will need to identify from which program the education benefits will be received. Each semester, enrollments at Lyndon are verified to the agency providing the veteran's education benefits. If any questions arise concerning educational benefits or veteran-related problems, contact the Student Services Office.

Student Services Office

The Student Services Office in Vail 348 contains the services normally provided by the Registrar's, Financial Aid and Business Offices — all centralized in one location. Students can receive a multitude of services ranging from registration in classes, paying a bill, changing a meal plan, receiving financial aid assistance, making an address change, requesting a transcript, requesting verification of enrollment, checking on graduation requirements, etc. We have three Student Services Consultants available to serve the student population on the "front line" as well as Financial Aid, Registrar's Office, and Business Office specialists who are available for consultation. This one-stop-shop concept enables students to take care of all their Registrar, Financial Aid and Business Office issues and concerns in one location.

Study Abroad

Lyndon State College strongly encourages students to study abroad, either for one semester or a whole year. The College strives to ensure that studying abroad will be both educational and enjoyable by providing students the opportunity to study all over the world while maintaining their financial aid and taking courses in their major. Lyndon State College currently maintains affiliation with four study abroad agencies: AIFS, CIS, ISA and GlobalLinks, and other programs are available. Study abroad is recommended for, but not confined to, the junior year. Students intending to study abroad should consult their advisor as soon as possible. For more information about study abroad, please contact Dr. Paul Searls, Coordinator of Study Abroad.

Student Affairs

Students Reporting Absences

Students who need to miss classes are requested to call the Student Affairs Office at (802) 626-6418. We will notify the appropriate professor(s) of a student's absence. However, calling our office does not "excuse" an absence. Each professor has his or her own guidelines regarding missed classes. Students are responsible to contact each professor to discuss the requirements and how to make up missed work.

Emergency Messages

During the regular business day, Monday-Friday, 8 a.m.-4 p.m., if there is an URGENT situation, please have family, friends, employers, etc. call Student Affairs at (802) 626-6418. We will try to locate you according to your class schedule. We will then deliver a message to you at your campus location. However, this service is only for emergency situations. We are not able to offer a general message service. In emergency situations at times other than Monday-Friday, 8 a.m. - 4 p.m., call Public Safety (802-626-6452).

Health Services

Lyndon's Campus Health Service is supervised by a physician. The staff provides assessment and treatment of routine health matters and makes referrals to local practitioners or to the Northeastern Vermont Regional Hospital, located in nearby St. Johnsbury. If you have a specific health need, do not hesitate to contact the Health Service for information and advice by calling 802-626-6440. Emergency services are available 24 hours at Northeastern Vermont Regional Hospital. During office hours you may reach the hospital at (802) 748-8141; for emergencies call 911 for ambulance services. In a non-emergency call (802) 626-1101 for information.

Vermont State College policy requires that students complete a health form and maintain required information on file. The Health Services Office coordinates compliance with these requirements. The college may withhold the right to register for subsequent semesters if students fail to comply with these regulations.

Personal Counseling

The college experience is often a time of change and personal growth. The combination of new life experiences, new friends and a new environment can occasionally be unsettling. Lyndon recognizes that you might need someone supportive and understanding to speak to during those unsettled times. Professionally trained counselors are available to you to discuss personal issues. The service is confidential.

A professional and collaborative referral system is maintained with mental health professionals in the community for students who require an intensive and or long-term counseling relationship. To arrange a counseling appointment, call 802-626-6440.

Student Life

The mission of the Office of Student Life is to provide an environment which enhances student learning by facilitating relationships and programs intended to develop characteristics desirable in a Lyndon-educated person. These characteristics include a commitment to civic responsibility, an appreciation for diversity, critical thinking skills, an appreciation for life-long learning and the ability to be in healthy, productive relationships. This learning should occur within a secure living environment that encourages risk-taking, cooperation and responsible decision-making.

Residential Life

Living on campus can be a very rewarding and memorable experience. There is a lot of learning that can take place within a residence hall through interactions with fellow roommates or suitemates, programs and events put on by the staff, experiencing what it is like to be a part of a community and so on. There are 25 members of the live-in residence staff which help direct this experience and learning, including Residence Hall Directors, and Resident Assistants. The staff acts as a resource for students on a variety of issues, including interpersonal concerns, residence hall programming, administration, and problem-solving.

There are several types of housing offered on campus including upper-class, first year, 24 hour quiet, gender neutral, substance abuse free environment (SAFE), apartment style, and 21+.

Rights and Responsibilities

Lyndon students are entitled to enjoy the same freedoms and rights as other citizens. This means that they are expected to assume the responsibilities that accompany rights. In other words, students are not exempt from local and state laws merely because they hold student status, and the college is not a sanctuary from the law.

Lyndon has its own set of regulations (stated in the Student Handbook) to ensure that individual rights are protected and to maintain a campus environment that allows the college to pursue its aims and goals. These regulations were designed to contribute to harmonious living by emphasizing respect for one another, the college and its property, and the town of Lyndon.

Student Activities and Leadership Center

The Student Activities and Leadership Center (SALC), located on the second floor of the Vail Student Center, is the hub of activity for students looking to get involved on campus and attend events. SALC houses the Student Government Association (SGA), the Campus Activities Board (CAB), and all student clubs. The Student Activities and Leadership Center provides a variety of leadership opportunities including an annual Student Leadership Conference, as well as promotes service-learning trips during each of the week-long breaks in the spring semester.

In addition to visiting the Center to stay informed, there are many other ways to find information about the events taking place on campus. Students can read the student newspaper; check the Student Life events website (www.lyndonstate.edu/events); read the *BUZZ*, an advertisement found on tables in the Student Center and Stevens Dining Hall; check bulletins boards throughout campus; check the portal; watch the on-campus kiosk screens; or get updates through LSC e-mail.

Campus Activities Board

The majority of Lyndon's entertainment programs and cultural events are produced under the direction of the Campus Activities Board (CAB). This student-run organization is responsible for selecting lecturers, films and performers, producing annual events such as Winter Weekend, and organizing outings and special activities.

Adventure Program

Lyndon's Adventure Program, established in 2010, provides a wide range of indoor and outdoor activities and programs at a variety of skill levels for the Lyndon community. Participants have the opportunity to develop lifetime recreational skills, learn about safety and proper technique, gain an appreciation and concern for our natural environment, meet new people, and have a great time. The program has official ties to the "Gravity Wall" indoor climbing wall, the 18 hole disc-golf course, a skate park, the outdoor low and high ropes course, the Ski/Ride Club, and the Outing Club.

Student Government Association

Students play an important role in Lyndon's governance. They actively represent Lyndon on the Vermont State Colleges Board of Trustees and the Vermont State Colleges Student Association, as well as on committees within the campus community. The Student Government Association (SGA) is governed by elected representatives from each of the four classes, commuters, and non-traditional students, as well as a representative from each club. Through participation in student government, students help shape policies that impact student life and distribute the student activities fee by developing an annual budget. Elections to the SGA Executive Board are held every spring, with elected representatives elected in the fall. Meetings are held bi-weekly and are open to all.

Student Clubs and Organizations

Lyndon offers over 30 student clubs and organizations to provide meaningful campus involvement in addition to studies. There are groups to fit a variety of interests, including athletics and wellness, arts and media, service and leadership, academics and honor societies, and numerous special interest groups. Some of the organizations emphasize group effort along with individual service and responsibility, while others, such as professional organizations, allow members to examine and discuss career goals in an informal setting. Still others emphasize games and sports or outdoor activities.

The campus activities and organizations are always changing to reflect the concerns, values, and interests of students. The Lyndon SGA website (www.LyndonSGA.com) is the source of information on the many clubs currently active on campus, as well as guides on how to become a recognized student organization on campus.

The Critic - Campus Newspaper

Lyndon's student-run newspaper, *The Critic*, is your source for information about what is happening on campus, including important student issues. It is an independent newspaper funded by student fees and ad sales. The *Critic* serves as the official voice of the students of Lyndon as publication is open to all students and can provide them with a creative outlet if they are interested in journalism, photography, graphic design, advertising or cartooning.

WWLR - Campus Radio

The college's 3,000-watt FM radio station, WWLR (91.5), is another student-run communications medium at Lyndon. WWLR can be heard within an approximate 50 mile radius, and can be streamed live online via the college website. The station's format and playlists are entirely student-designed.

Services for Commuters

Commuting students will find that Lyndon is committed to working with them - individually and as a group to help enrich their college experiences. Commuting students can often be found working on group assignments or socializing in a variety of settings offering WiFi access including the Vail Student Center, the library, and in the Harvey Academic Center (HAC). Also, monthly nontraditional learner lunches are a means for commuting adults to share their experiences. Commuter meal tickets, usable in either the snack bar or the dining hall, are handy resources for students commuting to Lyndon. Commuters and their families are encouraged to use college facilities like the pool and attend on-campus entertainment. Finally, to avoid unnecessary travel, commuters can find out about cancelled classes by calling (802) 626-6767 or checking the announcements on the Lyndon portal.

Athletics

Lyndon is a member of the National Collegiate Athletics Association (NCAA) - Division III, and the North Atlantic Conference (NAC). Varsity competition includes women's and men's basketball, women's and men's soccer, men's and women's tennis, men's and women's cross country, men's and women's lacrosse, women's volleyball, baseball, softball, and men's and women's track and field. Lyndon also offers several club teams that compete with other colleges, including rugby, cycling, and ice hockey.

Intramurals

Many students take advantage of our wide range of intramural sports in order to take a break from their academic routine. Dozens of sports and activities are offered on campus, including football, water sports, volleyball, basketball, tennis, and wiffle ball. All ability levels are welcome at intramural programming.

Athletics and Recreational Facilities

Lyndon's SHAPE Center includes a fitness center, two racquetball courts, two gymnasiums, a climbing wall and a 25-yard, six-lane swimming pool. Outdoors, Lyndon boasts running trails, tennis courts, and field for varsity athletics and club/intramural games. Cross-country skiers and cyclists enjoy local trails, while downhill skiers and snowboarders enjoy the facilities at nearby Q Burke Mountain, Jay Peak, and the Lyndon Outing Club.

Public Safety

Lyndon State College is committed to ensuring that our campus remains a safe and vibrant learning environment. Safety personnel patrol the entire campus by foot and vehicle 24 hours a day, seven days a week, 365 days a year. To enhance safety on campus, the department also operates a student-escort service upon request. Escorts are radio-dispatched and patrol the campus as a team when not scheduled for an actual escort. The Department of Public Safety maintains a daily incident report log which is available for review in the Public Safety Office during regular business hours.

The department oversees Lyndon's emergency management plan, and anyone who would like information about the plan is encouraged to contact the Director of Public Safety. Lyndon State College also has an Emergency Alert system. The Early Alert system is an instant, mass notification system that enables Lyndon students, parents, and members of the faculty and staff to receive updates and alerts on cell phones, personal data assistants (PDAs), and email accounts. Our goal is to increase safety on the Lyndon State campus.

In addition to the services described above, emergency telephones that connect to Public Safety are available in the Library and Academic Center (LAC) hallway, in the hallway outside of the Burke Mountain Room, in the SHAPE facility hallway, the women's locker room, in the Stonehenge, Vail, and Rita Bole parking lots, and on the exterior of each Residence Hall.

The Bookstore

Located near the Student Center in Vail 204, the LSC Bookstore stocks required textbooks and general stationery supplies, in addition to clothing, gifts, an assortment of art and photographic supplies, and snacks. The bookstore is open weekdays throughout the year and will allow students to cash small personal checks and Work-Study program payroll checks. The bookstore does not cash third-party checks, and during the last two weeks of each semester personal check-cashing privileges are suspended. Students may send and receive faxes at the bookstore for a small fee. For more information, the bookstore telephone number is (802) 626-6466 or visit the web site at www.lsc.bkstr.com.

The LSC Alumni Association

When you graduate, you will become a part of the Lyndon State College Alumni Association. There are nearly 10,000 alumni of Lyndon, representing all 50 states and a number of foreign countries! Lyndon alumni have gone on to be extremely successful in their fields of choice. You will find our alumni on major television networks, in school classrooms, forecasting the weather, on the radio, in human service agencies, environmental firms, at ski areas, graphic design companies, and everywhere in between. Our alumni are doing great things and their success is a testament to the education and experience they received here at Lyndon.

The Alumni Association promotes the college and our alumni and creates a link between you and Lyndon. Alumni can participate in a variety of educational and cultural programs, socialize with other graduates, and rekindle old friendships through the Alumni Association.

For more information about our Alumni Association, please contact Sara Duprey Lussier '02, Assistant Director of Annual Giving, at (802) 626-6426 or at sara.lussier@lyndonstate.edu.

General Education Core Curriculum

The Core Curriculum

The Core Curriculum at Northern Vermont University prepares all students to respond responsibly, productively, and creatively to a complex and changing world that is characterized by rapidly evolving careers and communities. Statistics show that college graduates today are likely to face at least four significant career changes before retirement, regardless of major. Northern Vermont University's Core Curriculum responds to this challenge in two ways. First, the Core provides focused practice in the foundational skills required for all career paths: critical thinking, writing, reading, communication, information literacy, and quantitative reasoning. Second, it provides a framework of content, thought, and inquiry designed to help every student succeed personally and professionally in today's global society.

Core Mission Statement:

The Core Curriculum will enable students to make a positive impact in the world by developing the intellectual, social, and career skills necessary for life-long learning and success.

Guiding Question for Students:

"How can I make a positive impact in the world?"

Goals and Learning Outcomes **consist of four overarching goals and specific learning outcomes.**

1. ACADEMIC SKILLS

Students will be able to

- Demonstrate information literacy and research skills.
- Demonstrate quantitative reasoning.
- Communicate effectively in oral, written, and visual forms to diverse audiences.

2. INTELLECTUAL CURIOSITY AND FLEXIBILITY

Students will be able to

- Demonstrate and apply critical thinking in a variety of situations.
- Demonstrate and apply creative thinking in a variety of situations.
- Adapt learning to new situations across disciplines and to the real world.

3. INDIVIDUAL AND SOCIAL RESPONSIBILITY

Students will be able to

- Demonstrate ethical reasoning by evaluating personal values, alternative viewpoints, and their potential consequences for individuals and communities.
- Understand and evaluate the civic dimensions of individual and public issues.
- Demonstrate teamwork skills.
- Demonstrate problem-solving skills.

4. INTERCULTURAL AND GLOBAL AWARENESS

Students will be able to

- Understand and examine social and cultural diversity.
- Understand and apply concepts of sustainability in relation to ecological, human, and economic well-being.

THE CURRICULUM:

Creative Audience (1 cr.)

All entering students must complete two semesters of Creative Audience programming at 0.5 credits each, for a total of 1 credit. Students attend four events each semester from a wide variety of offerings to complete this requirement. *(This applies only to students whose home campus is Johnson.)*

First-Year Seminar (3 cr.)

Students entering with 15 or fewer credits take the First-Year Seminar.

Communicating in the World: Written Expression (6 cr.)

This two-course sequence focuses on clear and correct written expression, deepening one's comprehension of texts, developing critical thinking and research skills, and the rhetorical method of argument. This area includes ENG 1071 & 1072 (Johnson); and ENG 1081 & 1082 (Lyndon).

Mathematics and Computing in the World (6 cr.)

Courses in this area focus on quantitative reasoning and other mathematical ideas and techniques. This area includes courses in MAT and CIS.

Natural and Physical Worlds (4 cr., lab-based science course)

Courses in this area address natural phenomena, empirical reasoning, and/or the place of scientific and mathematical knowledge, in contemporary societies. This area may include courses from AHS, ATM, BIO, CHE, ENV, GEY, PHY, SCI, and XSC, among others.

Being in the World: Society and Behavior (6 cr.)

Courses in this area focus on individual well-being and development; social life and institutions; and/or individual and social behavior and change. This area may include courses from BUS, AHS, CRJ, ECO, EDU, PSY, SOC, POS, and WAM, among others.

Creativity in the World: Art and Aesthetics (6 cr.)

Courses in this area focus on creative processes and techniques used in the creation of original works of art as a medium for human expression. They may also address the human experience of artistic and natural forms, the role of artistic expression in society, and aesthetic attitudes. This area may include courses from ART, ARH, DAN, ENG, MUS, and THA, among others.

Diversity in the World: History and Culture (6 cr.)

Courses in this area focus on how human and cultural diversity have shaped and continue to shape societies and the world across regions, within particular contexts, and throughout time. This area may include courses from ANT, ARH, ENG, HIS, HUM, INT, PHI, and WAM, among others.

Enriched Course in Climate Change; Sustainability; or Social Justice (3-4 cr.)

This course is specifically designated as a Climate Change Enriched, Sustainability Enriched, or Social Justice Enriched course.

Guidelines:

- Students may repeat a designator up to three times, but note the following:

- Students take two ENG courses for Written Expression; they may take up to three additional ENG courses to fulfill other General Core requirements.
- Students take two courses for Mathematics and Computing (MAT or CIS; at least one of these must have an MAT designator); they may take up to three additional MAT courses to fulfill other General Core requirements.
- Any course may be counted towards the major program as appropriate.

Find more specific Core Curriculum offerings in the General Education Core Curriculum section of this catalog.

Degree Requirements

Requirements for a Bachelor's Degree

For Campus-Based Students

- Completion of at least 120 credit hours of work (not including basic skills credits).
- Achievement of a minimum cumulative grade point average of 2.00 (on a scale where A equals 4.00).
- Completion of the General Education Core Curriculum.
- Completion of bachelor-level Graduation Standards.
- Completion of all course work in the major.
- At least 30 credits applying toward the degree must be earned from Northern Vermont University.
- *At least 33 credits must be at the 3000/4000 (upper) level.**

For NVU Online Students

- Completion of at least 120 credit hours of work (not including basic skills credits).
- Achievement of a minimum cumulative grade point average of 2.00 (on a scale where A equals 4.00).
- Submission and approval of an individualized degree plan (for Professional Studies and Interdisciplinary Studies majors only).
- Completion of the General Education Core Curriculum.
- Completion of bachelor-level Graduation Standards.
- Completion of all course work in the major.
- At least 30 credits applying toward the degree must be earned from Northern Vermont University.
- *At least 33 credits must be at the 3000/4000 (upper) level.**

Requirements for an Associate's Degree

- Completion of at least 60 credit hours of course work (not including basic skills credits).
- A minimum cumulative grade point average of 2.00 (on a scale where A equals 4.00).
- At least 15 of the credits applying toward the degree must be earned from Northern Vermont University.

- Of the General Education Core Curriculum:
 - Creative Audience (1 credit) *NVU-Johnson students only*
 - First Year Seminar (3 credits)
 - Communicating in the World: Written Expression (6 credits)
 - Mathematics and Computing in the World (6 credits)
 - Natural and Physical Worlds (4 credits)
 - Being in the World: Society and Behavior (3 credits)
 - Creativity in the World: Art and Aesthetics (3 credits)
 - Diversity in the World: History and Culture (3 credits)
 - Enriched Course in Climate Change, Sustainability, or Social Justice (3-4 credits)
- Completion of associate-level Graduation Standards.

Requirements for Earning a Second Degree

A Second Bachelor's Degree

Students who already hold a bachelor's degree may earn a second degree by completing the following requirements:

- Completion of at least an additional 30 credits through Northern Vermont University.
- Completion of the requirements of a major unique from the first bachelor's degree major.
- Achievement of a minimum cumulative grade point average of 2.00.

Note that requirements for double majors also may apply.

A Second Associate's Degree

Students who already hold an associate's degree may earn a second degree by completing the following requirements:

- Completion of at least an additional 15 credits at Northern Vermont University.
- Completion of the requirements of a major unique from the major of the first associate's degree.
- Achievement of a minimum cumulative grade point average of 2.00.

Note that requirements for double majors also may apply.

Requirements for a Double Major

Students wishing to earn a degree with a double major must meet the following requirements:

- Completion of degree requirements as listed under *Requirements for a Bachelor's Degree*.
- Completion of the requirements of two unique majors.
- For baccalaureate degrees, at least 30, and for associate's degree, at least 15, of the credits used to complete each major must be in courses not used to meet the requirements in the other major.

Requirements for Academic Minors

An academic minor consists of a minimum of 18 credits in a discipline or field, *at least six of which are at the 3000/4000 level**. In general, students may not use the same courses used to satisfy requirements in a major to also satisfy requirements in a minor.

Any questions should be referred to the department chair of the department sponsoring the minor. (See list of Academic Programs.)

*These policies are subject to full Faculty and Provost approval.

Graduation Standards

Northern Vermont University strives to ensure that all students achieve and be able to demonstrate their mastery of important skills. This commitment is consistent with the mandate of the trustees and presidents of the Vermont State Colleges (VSC), including NVU, that all students must satisfy graduation standards in four areas: writing, quantitative reasoning, information literacy and oral communication. As a mandate of the Board of Trustees and the Council of Presidents, the requirement to satisfy graduation standards supersedes all other catalog statements concerning academic regulations and requirements. Successfully fulfilling graduation standards at one VSC institution is accepted as fulfilling the standards at any other VSC institution for an equivalent associate's or bachelor's degree.

All students must satisfy the following graduation standards in order to graduate:

- **Writing:** All baccalaureate- and associate-level students must pass ENG 3999 - Writing Proficiency Exam, or ENG 2005 - The Self-Sufficient Writer course. The Writing Proficiency Exam is offered every semester on a pass/no pass basis. Students should take the exam when they have accumulated between 15-60 credits to ensure completion of this standard. Students who fail the exam once may attempt it a second time; those who fail twice must take and pass ENG 2005 - The Self-Sufficient Writer.
- **Quantitative Reasoning:** All baccalaureate- and associate-level students must pass the Quantitative Reasoning Assessment (QRA) or MAT 1080 - Introduction to Quantitative Reasoning. In addition, all baccalaureate-level students must pass one course designated as "quantitatively enriched." (Courses identified with a "QE" prefix are approved as quantitatively enriched.) Note: Unlike MAT-1080, the QRA does not count toward the "Foundational Skills: Mathematics" component of the General Education Curriculum.
- **Information Literacy:** All baccalaureate- and associate-level students must complete GRS 3000, the Information Literacy Tutorial (TILT) and score 80% or higher on each of the accompanying quizzes. TILT and the quizzes are available to students on the VSC Moodle site after registering for a section of GRS-3000. *It is recommended that students take TILT during their first year at JSC.*
- **Oral Communication:** All baccalaureate- and associate-level students must receive passing scores on the Oral Communication Grading & Evaluation Form. Baccalaureate students must complete *two* oral presentations, each at least five minutes long; associate-level students must complete *one* oral presentation.

General Education Unit

NVU General Education Core Curriculum

General Education Core Curriculum

Creative Audience (1 credit)

All entering NVU-Johnson students must complete two semesters of Creative Audience at 0.5 credits each, for a total of 1 credit. Students attend four events each semester from a wide variety of offerings to complete this requirement. (Note: This applies only to students whose home campus is NVU-Johnson.)

First-Year Seminar (3 credits)

Students entering with 15 or fewer credits must take a First-Year Seminar from the following list of courses:

(Course Type: NFYS)

Course #	Course Title	NVU-Johnson	NVU-Lyndon
AHS 1330	FYS: Being Here on Purpose	X	
ARH 1030	FYS: Art and Ethics	X	
ART 1035	Visual Arts Seminar		X
ART 1080	FYI: iMe	X	
ART 1180	FYS: Art of Social Imagination...	X	
ART 2007	FYS: Comix Go Legit: Graphic Novels	X	
ATM 1060	New Student Seminar in Atmospheric Sciences		X
BIO 1050	FYS: Pretty or Nasty: World of Cosmetics	X	
BUS 1080	FYS: Globalize It?	X	
COM 1035	New Student Seminar in Journalism and Communications		X
DAN 1210	FYS: If I Can't Dance, Keep Your Revolution	X	
EDU 1015	FYS: The Common Book for the Common Good	X	
EDU 1025	Introduction to the Major		X
ENG 1090	FYS: The Vampyre in Western Culture	X	
ENG 1330	FYS: Language of Film	X	
ENG 1430	FYS: Nature Writing	X	
ENG 1360	FYS: DYSTOPIA: Cautionary Tales ...	X	
ENG 1420	FYS: Journaling: Writing in New Territory	X	
ENG 1440	FYS: Thinking Globally	X	

ENG 2355	FYS: Tradition & Identity in Contemporary Literature	X	
HIS 1030	FYS: Hidden History of Vermont	X	
HUM 1020	Cultivating the Cross-Cultural Mind	X	
INT 1020	Entering an Academic Community		X
MAT 1090	FYS: Mathematical Puzzles Through History	X	
MBI 1025	First-Year Music Seminar		X
MUS 1045	FYS: Songwriting for Beginners	X	
MUS 1160	FYS: Music and Culture of New Orleans	X	
OEL 1090	FYS: Deep Survival - Wilderness Lessons for a Complex World	X	
OEL 1095	OEL First Year Seminar		X
PSY 1025	First-Year Seminar: Up With New Students		X
SSC 1040	Intro. to Social Sciences		X
SSC 1050	FYS: A Call to Action	X	
XSC 1025	New Student Seminar in Exercise Science		X

Communicating in the World: Written Expression (6 credits)

Course #	Course Title	NVU-Johnson	NVU-Lyndon
ENG 1071	College Writing	X	
ENG 1072	Exposition & Analysis	X	
ENG 1081	Writing & Reading Strategies for College		X
ENG 1082	Academic Inquiry		X

Mathematics and Computing in the World (6 credits)

(Course Type: NMCW)

Course #	Course Title	NVU-Johnson	NVU-Lyndon
CIS 1090	Problem Solving with Computers		X
CIS 2060	Programming with FORTRAN		X
CIS 2271	JAVA Programming		X
MAT 1020	Intermediate Algebra	X	X
MAT 1060	Problem Solving with Math		X
MAT 1080	Introduction to Quantitative Reasoning	X	
MAT 1221	Finite Mathematics	X	X
MAT 1410	Pre-Calculus	X	X
MAT 1531	Calculus I	X	X
MAT 2010	Number Systems		X
MAT 2021	Statistics	X	X

Natural and Physical Worlds (4 credits)

(Course Type: NNPW)

Course #	Course Title	NVU-Johnson	NVU-Lyndon
ATM 1010	Elementary Meteorology		X
ATM 1030	Elementary Oceanography		X
ATM 1211	Survey of Meteorology I		X
BIO 1210	Introduction to Biology	X	X
BIO 1211	Introduction to Biology: Ecology & Evolution	X	X
BIO 1212	Introduction to Biology: Cells & Genetics Basis	X	X
BIO 2011	Anatomy & Physiology I	X	X
BIO 4320	Sustainable Food Systems I		X
CHE 1023	Outline of General Chemistry		X

CHE 1031	General Chemistry I	X	X
CHE 1055	General, Organic, and Biochemistry	X	
CHE 2020	Introduction to Environmental Chemistry		X
ENV 1050	Introduction to Earth Science	X	
ENV 1080	Introduction to Environmental Science		X
ENV 2040	Introduction to Environmental Restoration		X
ENV 2060	Energy, Environment, and Society		X
GEY 1111	Introduction to Geology I		X
GEY 2112	Introduction to Geology II		X
PHY 2010	Introduction to Electricity and Electronics		X
PHY 2031	Fundamentals of Physics I	X	X
PHY 2061	Classics Physics I		X
XSC 2050	Human Gross Anatomy		X

Being in the World: Society and Behavior (6 credits)

(Course Type: NBEW)

Course #	Course Title	NVU-Johnson	NVU-Lyndon
ANT 3050	Culture, Ecology, and Health		X
ANT 3070	Ecotourism		X
BUS 2015	Fundamentals of Management in Business	X	X
BUS 2140	Personal Finance	X	X
BUS 2230	Principles of Marketing	X	X
BUS 3125	Business Practices & Civic Engagement	X	X
BUS 3240	Global Business	X	X
BUS 3350	Innovation, Creativity and Entrepreneurship		X

CRJ 1010	Introduction to Criminal Justice (J)	X	
CRJ 1010	Introduction to Criminal Justice (L)		X
CRJ 2010	Law Enforcement in America		X
CRJ 2020	American Judicial Process		X
CRJ 2050	Criminology		X
CRJ 2230	Introduction to Criminal Law	X	
CRJ 2510	Criminal Law		X
CRJ 3210	Punishment and Corrections		X
CRJ 3220	International Criminal Justice		X
DAN 1030	Body Awareness	X	
DAN 3032	Body Awareness II	X	
ECO 2060	Survey of Economics	X	X
EDU 2360	Perspectives on Learning	X	
ENG 1280	Fundamentals of Public Speaking		X
ENG 2052	News Publishing	X	
ENG 2085	Public Relations, Advertising, and Marketing		X
ENG 3022	Advanced News Publishing	X	
ENG 3025	Media and Society		X
HIS 3550	The Islamic World		X
JOU 1010	Introduction to Media Communication		X
MBI 1360	Introduction to the Music Industry		X
OEL 1080	Leadership and Small Group Dynamics	X	X
PHI 1040	Introduction to Ethics	X	
PHI 1050	Ethical Practice		X
PHI 1060	Logic and Creative Thinking		X

POS 1010	Introduction to Political Science	X	X
POS 1020	American Politics and Government	X	X
POS 1030	Comparative Government	X	X
POS 2010	Observation of the Legislative Process	X	
POS 2040	International Relations	X	X
POS 2050	International Economics and Politics	X	
POS 3050	Environmental Ethics and Politics	X	
POS 3060	Vermont Politics	X	X
POS 3210	Canadian Politics	X	
POS 3220	Genocide: Inhumanity Across the Ages	X	
POS 3430	Government and Politics in Russia and Post-Soviet States		X
PSY 1010	Introduction to Psychology	X	X
PSY 2040	Social Psychology	X	
PSY 2070	Developmental Psychology	X	X
PSY 2120	Human Sexuality		X
PSY 3210	Perspectives on Death and Dying		X
SOC 1010	Introduction to Sociology (J)	X	
SOC 1010	Introduction to Sociology (L)		X
SOC 2050	Drugs, Herbs & Society	X	
SOC 3050	Gender and Society (J)	X	
SOC 3050	Gender and Society (L)		X
SOC 3060	Sexuality & Intimacy	X	
SOC 3170	Power, Politics & Inequality	X	
SOC 3250	To War and Back	X	

Creativity in the World: Art and Aesthetics (6 credits)

(Course Type: NCRW)

Course #	Course Title	NVU-Johnson	NVU-Lyndon
ART 1011	Drawing I	X	
ART 1011	Drawing I		X
ART 1015	Art Foundations		X
ART 1410	Digital Photography		X
ART 2030	Decorative Arts		X
ART 2055	Onsite Sketching		X
ART 2110	Introduction to Digital Media	X	
ART 2115	Digital Arts		X
ART 2121	Calligraphy I		X
ART 2211	Painting I	X	
ART 2241	Painting I		X
ART 2251	Sculpture I	X	
ART 2251	Sculpture I		X
ART 2301	Photography I	X	X
ART 2301	Photography		X
ART 3060	Book Arts		X
ART 3210	Puppetry		X
CIN 1060	Cinema Production I		X
DAN 1010	Fundamentals of Dance	X	
DAN 1111	Modern Dance	X	
DAN 2131	Ballet	X	
DAN 3020	Intermediate Ballet: Technique & History	X	

DAN 3112	Intermediate Modern Dance: Technique &History	X	
DES 2030	Fundamentals of Web Design		X
ENG 2101	Creative Writing	X	
ENG 2130	Introduction to Writing Poetry		X
ENG 2140	Introduction to Writing Fiction		X
ENG 2155	Multimedia Storytelling		X
ENG 3010	Advanced Composition and Rhetoric		X
ENG 3110	Creative Writing Workshop		X
ENG 3135	Writing Lyric: Form and Theory		X
ENG 3145	Writing Narrative: Form and Theory		X
ENV 2025	Nature Photography	X	
HIS 3445	History of Soviet/Russian Cinema and TV		X
INT 3150	Godel/Escher/Bach: An Eternal Golden Braid	X	
MAT 3040	Geometrical Reasoning	X	
MUS 1041	Class Piano I		X
MUS 1042	Class Piano II		X
MUS 1030	Music Fundamentals	X	
MUS 1085	Elements of Music		X
MUS 1231	Music Theory I	X	
MUS 1431	Music Theory I and Ear Training		X
MUS 2070	Basic Songwriting		X
MUS 2340	Class Instruction in Voice		X
MUS 2341	Class Guitar I		X
MUS 3260	Music Theater Workshop	X	
RUS 2010	Mystery of Russian Soul and Culture		X

THA 1040	Interpreting Contemporary Dramatic Literature (L)		X
THA 1040	Interpreting Contemporary Dramatic Literature (J)	X	
THA 1041	Introduction to Theater Arts (J)	X	
THA 1041	Introduction to Theater Arts (L)		X
THA 2080	Theatre Arts in The Dramatic Format		X
THA 2121	Acting I (J)	X	
THA 2121	Acting I (L)		X
THA 2122	Acting II (J)	X	
THA 2122	Acting II (L)		X
THA 3030	Theater for Young Audiences	X	
THA 3210	Introduction to Directing	X	
THA 3211	Directing I		X

Diversity in the World: History and Culture (6 credits)

(Course Type: NDVW)

Course #	Course Title	NVU-Johnson	NVU-Lyndon
ANT 1010	Introduction to Cultural Anthropology	X	
ANT 1030	Introduction to Anthropology		X
ANT 3010	Native Societies of America		X
ANT 3020	Religion, Culture & Alternate Realities	X	
ANT 3030	Comparative Cultures		X
ANT 3060	Ethnocuisine		X
ANT 3310	Myth, Magic, & Religion		X
ANT 3820	Anthropology Fieldwork		X
ARH 2010	Survey of Western Traditions in Art	X	

ARH 2011	Survey of Western Art I		X
ARH 2012	Survey of Western Art II		X
ARH 2060	Survey of Non-Western Traditions in Art	X	
ARH 2070	History of Photography		X
ARH 3110	The Spiritual in Non-Western Art	X	
ART 1045	Visual Narrative		X
DAN 2010	Folk Dance	X	
DAN 3010	The Renaissance Spirit	X	
DAN 3180	Folk Dance II	X	
DAN 3210	The Emperor Ain't Naked: History Western European Fashion/Social Dance	X	
EDU 2365	The Ecology of the Human Experience: Development, Culture, & Identity	X	
ENG 1310	Introduction to Literature (J)	X	
ENG 1310	Introduction to Literature (L)		X
ENG 2250	Critical Approaches		X
ENG 2281	Survey of English Literature I	X	
ENG 2282	Survey of English Literature II	X	
ENG 2290	Survey of British Literature & Culture		X
ENG 2325	Survey of American Literature & Culture		X
ENG 2390	World Literature: Explorations		X
ENG 2535	Genre Survey		X
ENG 2540	Global English: Forms, Roles, and Issues		X
ENG 2545	Literature and Culture Survey		X
ENG 3090	QE: Horse & Human Culture	X	
ENG 3385	Genre Seminar		X
ENG 3545	Literature and Culture Seminar		X

FLM 1055	Film Analysis and Appreciation		X
FLM 2015	History of Cinema I		X
FLM 2025	History of Cinema II		X
FLM 3010	Auteur Filmmakers Seminar		X
FLM 3320	Film and Culture Seminar		X
FLM 3610	Film Studies Seminar		X
FLM 4010	Theory of Cinema		X
FRE 1111	French I	X	X
FRE 1112	Intermediate French	X	X
HIS 1011	Western Civilization I		X
HIS 1020	Comparative Civilizations		X
HIS 1111	World History I	X	
HIS 1112	World History II	X	
HIS 1211	American History I	X	X
HIS 1212	American History II	X	X
HIS 2240	Survey of Eurasia		X
HIS 3155	Sports in American History		X
HIS 3165	Vermont History	X	X
HIS 3280	The History of American Recording Industry		X
HIS 3310	18th & 19th Centuries Europe		X
HIS 3330	Europe Since 1914		X
HIS 3440	Modern Russia		X
HIS 3530	Modern East & Southeast Asia		X
HIS 3540	Modern South Asia		X
HIS 3550	The Islamic World		X

HUM 3125	Religions of the World	X	
HUM 3150	People and Cultures of the Middle East & Northern Africa	X	
HUM 3160	African Culture	X	
INT 3210	The Holocaust: An Interdisciplinary Approach	X	
JOU 2160	History of Journalism		X
MAT 3010	History of Mathematics		X
MUS 1175	History of Western Music: A Survey		X
MUS 2280	Drumming Across Cultures		X
MUS 2740	Music Studies Seminar		X
MUS 3031	History of Western Music I	X	
MUS 3032	History of Western Music II	X	
MUS 3040	Jazz in America	X	
MUS 3050	Social History of Rock & Roll	X	
MUS 3220	History of the Blues	X	
MUS 3330	Worlds of Music	X	X
MUS 3350	Music of the Americas		X
OEL 1010	Leisure and Tourism in Society	X	X
PHI 1010	Introduction to Philosophy	X	
PHI 2050	Nature, Science, and Technology		X
PHI 2090	Popular Culture and Philosophy		X
PHI 3065	Philosophy of Film and TV		X
PHI 3140	Art Theory and Criticism		X
PSY 3025	History of Modern Psychology		X
PSY 3090	Lifespan Across Cultures		X
RUS 1011	Russian I		X

RUS 1012	Russian II		X
SCI 4010	History of Science		X
SCI 4110	History of Agriculture		X
SPA 1011	Spanish I	X	X
SPA 1012	Spanish II	X	X
SSC 3820	Global Studies Fieldwork		X
THA 3010	Shakespeare: On the Stage & On the Page	X	

Enriched Course in Climate Change, Sustainability, or Social Justice (3-4 credits)

(Course Type: NCCSE)

Course #	Course Title	NVU-Johnson	NVU-Lyndon
ANT 4020	Multicultural Health, Illness & Healing	X	
ATM 1020	Introduction to Climate Change		X
ATM 2062	Survey of Climate and Statistics II		X
ATM 2210	Geophysical & Human Interactions		X
BUS 1360	Introduction to Sustainability	X	
BUS 3440	Ecotourism and Sustainability	X	
CRJ 2220	Environmental Justice		X
EDU 4630	Integrated Elem Methods Pract: Intention, Knowledge & Presence	X	
ENG 3010	Advanced Composition and Rhetoric		X
ENG 3385	Genre Seminar		X
ENG 3545	Literature and Culture Seminar		X
ENV 1040	Introduction to Oceanography	X	
ENV 1090	Introduction to Weather, Climate, and Climate Change	X	

ENV 1110	Introduction to Environmental Problems	X	
ENV 2080	The Anthropocene	X	
ENV 2090	Sustainable Living		X
GEO 1010	Introduction to Geography	X	X
GEY 1111	Introduction to Geology I		X
HIS 3056	Race in America		X
POS 3050	Environmental Ethics & Politics	X	
PSY 4180	Exploring Race and Challenging Racism in the U.S.		X
SCI 1030	The Life, Earth, and Physical Sciences		X
SCI 1070	Food for Thought		X
SOC 3020	Environment and Society	X	

VSC Graduation Standards

Vermont State College Graduation Standards

A Lyndon State College degree attests not only to accomplishment in the major field and general education, but to acquisition of transcendent skills expected of all college graduates in today's world. For this reason, Lyndon is committed - as are all of the Vermont State Colleges - to ensuring that graduates have achieved proficiency in written and oral expression, information literacy, and quantitative reasoning.

All students entering Lyndon State College will be expected to demonstrate mastery of written expression, information literacy, quantitative reasoning, and oral expression prior to, and as a requirement for, graduation. Assessment methods are subject to change and vary across programs. Any student with a documented disability should contact the Learning Specialist as any accommodation that is allowed for testing in a class will be permitted for testing for graduation standards.

Each of these standards will be assessed as students reach advanced levels of study, generally as juniors or seniors. In practice, this means that Associate degree students will encounter the assessments in the second year. Bachelor's degree students will encounter the assessments in the third or fourth year of full-time attendance. Transfer students will encounter the assessments at times appropriate to their entry level, but prior to their graduation.

For more information, please speak with your faculty advisor or contact the office of the Dean of Academic Affairs.

Degree Programs List

Degree Programs

The following list represents Lyndon's undergraduate degree programs for the 2017-2018 academic year. The boldface entry indicates the major department offering the program, followed by the title, degree, and concentration or track (if any). Degree programs are approved and subject to change by the Vermont State Colleges Board of Trustees.

Atmospheric Sciences

Atmospheric Sciences (B.S.)
American Meteorological Society/Graduate School Concentration
Broadcasting Concentration
Climate Change Concentration
National Weather Service/Military Concentration
Private Industry Concentration

Climate Change Science (B.S.)

Business Administration

Business Administration (A.S.)
Accounting (B.S.)
Business Administration (B.S.)

Sport Management (B.S.)

Criminal Justice, History & Global Studies

Criminal Justice (B.S.)
Global Studies (B.A.)
Global Studies
History

Anthropology/Sociology

Education

Special Education (A.S.)
Multidisciplinary Studies for Inclusive Teaching (B.S.)
Non-Licensure

Early Childhood Education
Elementary Education
Special Education - Special Educator

Electronic Journalism Arts

Electronic Journalism Arts (A.S.)
Electronic Journalism Arts (B.S.)

English, Philosophy and Film Studies

English (B.A.)
Literature and Film Studies
Writing

Exercise Science

Exercise Science (B.S.)
Health and Fitness - Strength and Conditioning
Pre-professional physical therapy
Pre-professional athletic training
Individualized Program of Study

General Studies

General Studies (A.A.)

Liberal Studies

Liberal Studies (B.A.)

Mathematics & Computer Science

Computing (A.S.)

Computer Information Systems (B.S.)

Software Engineering

Information Technology

Mathematics (B.A.)

Mountain Recreation Management

Mountain Recreation Management (B.S.)

Adventure Leadership

Mountain Resort Management

Music and Performing Arts

Music Business and Industry (A.S.)

Music Business and Industry (B.S.)

Music Management

Music and Self-Promotion

Audio Production

Natural Sciences

Environmental Science (B.S.)

Natural Science (B.S.)

Sustainability Studies (B.S.)

Psychology

Human Services (A.S.)

Applied Psychology and Human Services (B.S.)

Visual Arts

Cinema Production (A.A.)

Photography (A.S.)

Visual Arts (A.S.)

Visual Communications (A.S.)

Animation and Illustration (B.F.A.)

Gaming

Illustration/Animation

Graphic Design (B.F.A.)

Cinema Production (B.A.)

Graphic Design (B.A.)

Minor Programs

Anthropology/Sociology
Atmospheric Sciences
Biology
Business
Cinema Production
Criminal Justice
Electronic Journalism Arts
Environmental Chemistry
Exercise Science
Film Studies
Geology
History
Human Services
Literature

Marketing
Mathematics
Music
Philosophy
Photography

Physics - Calculus Based

Physics - Non-Calculus Based

Pre-Law

Psychology

Race & Gender

Russian & Eurasian Studies
Theater
Visual Arts

Writing

Undergraduate Degree Programs & General Education

Lyndon offers Associate Degree programs, which may be completed in two years and Bachelors programs, which may be completed in four years.

Each undergraduate program consists of required courses from the sponsoring academic department, courses from other departments, competency in Basic Skill requirements, the General Education Unit (GEU), and unrestricted electives.

In order to receive a degree from Lyndon, all students are required to take a minimum number of credit hours at Lyndon. For a bachelor's degree 30 credits, including substantial advanced work in the major or concentration must be taken at the institution conferring the degree. For an associate's degree, at least 15 credits must be taken at the institution conferring the degree. The minimum number of credits within a program that must be taken at the college is: major - 12; minors - 6; Liberal Studies Degree Primary Area - 6; Secondary Area - 3.

Requirements for undergraduate degrees may be summarized as follows:

Associate in Science	Associate in Arts	Bachelor of Arts or Science
General Education Foundation, and Distribution: 30 credits	General Education Foundation, and Distribution: 30 credits	General Education Unit: 43 credits
Total Credits: 60	Total Credits: 60	Total Credits: 120

Acceptance to Degree and Licensure Candidacy in Major Programs

During the sophomore year some departments require Lyndon Bachelor degree candidates to apply for formal acceptance into a major program; consult your major program in this catalog for the departmental requirements. Application forms are available from the departments.

Candidates for Vermont Teaching Licenses should consult notes on eligibility under each program for standards governing practice teaching and certification.

Candidates for all associate degrees need not be admitted formally to major programs.

Double Majors

Students may earn a double major at the college by fulfilling all requirements of two programs. Students fulfilling the requirements for two majors will receive a single diploma, but the diploma will state the degree and list both majors. If one of the majors is designated as a Bachelor of Arts, a Bachelor of Fine Arts and/or the other as a Bachelor of Science, the student will have the choice as to the degree that will appear on the diploma (as well as the official transcript).

An individual course may not be applied toward fulfilling requirements in both programs, except:

1. a course may be applied toward GEU requirements in both programs;
2. a course may be applied toward GEU requirements in one program and major requirements in the other program;
3. a course may be applied toward both programs when that course is explicitly stated as a requirement in both programs;
4. a course may be applied toward a program requirement in one major and elective credit in the other major; or
5. a course may be applied toward elective credit in both programs.

Minor Programs

Lyndon offers minor programs consisting of 18 to 24 credit hours of course work. While minors lack the depth and breadth of a major program, they do allow for some concentrated study in a single area. Students interested in gaining recognition for a minor program must apply to the sponsoring department through the Registrars Office by the end of the term preceding completion of the minor. Successful completion of a minor will not appear on ones diploma, but will be noted on the transcript once the student has graduated from a baccalaureate program.

Course Numbering

Basic Skills	0000
First Year	1000
Sophomore	2000
Junior	3000
Senior	4000
Graduate	5000-6000

Course Abbreviations

ACC	Accounting
ANT	Anthropology
ARH	Art History
ART	Art
ATM	Atmospheric Sciences
BIO	Biology
BUS	Business
CHE	Chemistry
CIN	Cinema Production
CIS	
CRJ	Computer Information Science
DES	Criminal Justice
	Design
ECE	
ECO	Early Childhood Education
EDU	Economics
EJA	Education
ENG	Electronic Journalism Arts
ENV	English
FLL	Environmental Science
FLM	Foreign Language
FRE	Film Studies
GEO	French
GEY	Geography
GIS	Geology
GER	Geographic Information Systems
HIS	German
HUM	History
INT	Humanities
LIB	Interdisciplinary Seminar
MAT	Liberal Studies
MRM	Mathematics
MUS	Mountain Recreation Management
MBI	Music
PHI	Music Business Industry
PED	Philosophy
PHY	Physical Education
POS	Physics
PSY	Political Science
RUS	Psychology
SCI	Russian
SED	Science
SOC	Secondary Education
SPA	Sociology
	Spanish
SPL	
	Sport Leadership/Management
SSC	
THA	Social Science
XSC	Theater
	Exercise Science

Academic Programs (A-Z)

- L = Lyndon Campus Programs
- J = Johnson Campus Programs
- O = Online Programs

Certificate

Certificate in Proficiency of Accounting - J

NVU-Johnson's Certificate in Proficiency of Accounting is a flexible and convenient way to earn the additional credits required to meet Vermont licensing standards that took effect July 1, 2014, and sit for the national CPA exam. Classes may be taken on campus and/or online through the campus-based program, or entirely online through NVU Online.

The program of study is tailored to each student's situation in order to amass the required 150 credit hours, including 42 credits in accounting-related courses. A person with a B.A. degree in Business would still need to accrue the required additional 30 credits, even if he or she already has the 42 credits in accounting-related courses.

A full-time student could complete the certificate in one year: In two semesters if only 30 credits are needed, or in two semesters plus the summer if 42 credits are needed. Students enrolled in the certificate program are eligible for financial aid.

Students must complete the core business courses and the core accounting courses, at total of 43 credits, in order to earn the certificate of achievement in accounting.

Core Business Courses (24 credits)

- ACC 2121 - Financial Accounting **Credit(s): 4**
- ACC 2122 - Managerial Accounting **Credit(s): 4**
- BUS 2015 - Fundamentals of Management in Business **Credit(s): 3**
- BUS 2280 - Introduction to Business Ethics **Credit(s): 3**
- BUS 3131 - Business Law I **Credit(s): 3**
- BUS 3230 - Financial Management **Credit(s): 3**
- ECO 2060 - Survey of Economics **Credit(s): 4**

Core Accounting Courses (18 credits)

- ACC 2201 - Intermediate Accounting I **Credit(s): 4**
- ACC 2202 - Intermediate Accounting II **Credit(s): 4**
- ACC 2210 - Cost Accounting **Credit(s): 4**
- ACC 2230 - Federal Taxes **Credit(s): 3**
- ACC 4050 - Auditing and Assurance Services **Credit(s): 3**

Total: 42 credits

Certificate in Small Business Management - J, O

The program provides owners, operators, and employers with the knowledge and skills necessary to organize and operate successful small businesses. The program emphasizes management functions rather than operational techniques.

Required Courses

- ACC 2121 - Financial Accounting **Credit(s): 4**
- BUS 2015 - Fundamentals of Management in Business **Credit(s): 3**
- BUS 2210 - Small Business Management **Credit(s): 3**
- BUS 2230 - Principles of Marketing **Credit(s): 3**
- BUS 3131 - Business Law I **Credit(s): 3**

Total: 16 credits

Certificate in Sustainability - J, O

The NVU Johnson and NVU Online Certificate in Sustainability provides students with a broad understanding of ecological literacy within the context of learning how to live, work, and play sustainably on planet earth. The program is grounded in the practice of responsible business and the applied social and natural sciences. Experiential learning with a combined emphasis on the personal and professional arenas is at the core of the program. Course work and practicums weave together principles of ecology, green business, and community vitality within the context of finding solutions to the range of local to global environmental challenges. The program requires students to develop their own definition of sustainability as it pertains to their own particular set of values and circumstances. Course work and hands-on activities will ask students to delve deeply into the transdisciplinary and multifaceted topic of sustainability. From this integrated approach, students will learn to develop solutions to current and future environmental, social, and economic challenges in their professional and personal lives.

Learning Outcomes

1. Students will successfully apply classroom knowledge to real world experiences.
2. Students will demonstrate industry-appropriate communication skills and the ability to work effectively with diverse groups in a team environment.
3. Students will demonstrate the ability to amass, evaluate, and interpret complex information to make effective business decisions.
4. Students will develop the ability to utilize various analytical techniques, including triple bottom line and product/service life cycle analysis as they relate to business sustainability and personal lifestyle choices.
5. Students will have the ability to discuss the multiple dimensions of sustainability within a wide range of contexts
6. Students will be able to describe and interpret sustainability issues from local, regional, and global perspectives.
7. Students will understand mechanisms which lead to environmental and societal impacts from business operations and individual consumption patterns and be able to demonstrate the skills and knowledge required to develop plans that lead to positive changes for society and the natural environment on a local and global scale.

Required Core Courses (12 credits)

- BUS 1360 - Introduction to Sustainability **Credit(s): 3**

- BUS 3145 - Introduction to Sustainable Food and Agricultural Systems **Credit(s): 3**
- BUS 3440 - Ecotourism and Sustainability **Credit(s): 3**
- BUS 4340 - Environmental Entrepreneurship, Community Vibrancy, and Innovation **Credit(s): 3**

Electives (9 credits)

(Choose at least three courses)

- ENV 3260 - Global Climate Change **Credit(s): 3**
- INT 3010 - Natural Landscapes & Literature **Credit(s): 3**
- POS 3050 - Environmental Ethics & Politics **Credit(s): 3**
- SOC 3020 - Environment & Society **Credit(s): 3**
- SOC 3240 - Nutrition, Food & Society **Credit(s): 3**
- ENV 2060 - Energy, Environment, and Society **Credit(s): 4** (Lyndon campus)
- ENV 2090 - Sustainable Living **Credit(s): 3** (Lyndon campus)

Total: 21 credits

Licensure/Teaching Licensure Programs

Secondary Teacher License Endorsement - J

NVU-Johnson offers Secondary Teacher Education Programs that prepare students to teach in their area of endorsement -- **English, mathematics, science or social studies** -- to students in grades 7-12. Graduates who successfully complete one of these programs become candidates for a Level I Professional Educator's License issued by the Vermont Agency of Education. This license is required in order to work as a public school teacher in Vermont; it also is recognized and accepted by more than 40 other states, districts and territories.

All students seeking Secondary Teacher Licensure Endorsement must:

- Successfully complete all Required Teacher Education Core Courses;
- Successfully complete the Required Secondary Education Core Courses ;
- Select one of the four Secondary Education Endorsement Areas and successfully complete an approved major for that endorsement -- including all requirements for the bachelor's degree and the General Education and Graduation Requirements -- with a cumulative 3.0 GPA or better and a 3.0 GPA in the major; and
- Successfully complete the Required Content-Area Courses for their chosen area of endorsement.

With careful planning, these requirements can be met for most programs within a four-year plan of study. Most courses must be taken in a specific order; students should check advisement forms, program evaluations and prerequisites for details. Students must earn a B- or better in all courses marked with an asterisk (*). Each Teacher Education Workshop (TEW) is graded as Pass/No Pass.

Theoretical Framework & Learning Pursuits

Applying to a Teacher Education Program at NVU-Johnson

Advancing through a Teacher Education Program at NVU-Johnson

1. Required Teacher Education Core Courses (18 credits)

- EDU TEW1 - Teacher Education Workshop 1: Introduction to Teacher Education **Credit(s): 0**
- EDU TEW2 - Teacher Education Workshop 2: Application for Practicum I **Credit(s): 0**
- EDU TEW3 - Teacher Education Workshop 3: Application for Practicum II **Credit(s): 0**
- EDU TEW4 - Teacher Education Workshop 4: Application for student teaching **Credit(s): 0**
- EDU TEW5 - Teacher Education Workshop 5: Application for a Verification Check **Credit(s): 0**
- EDU 2360 - Perspectives on Learning in a Diverse Society **Credit(s): 3 ***
- EDU 2365 - The Ecology of Human Experience: Development, Culture & Identity **Credit(s): 3 ***
- EDU 2370 - The Contemporary School **Credit(s): 3 ***
- EDU 3311 - Foundations of Inclusive Practices **Credit(s): 3 ***
- EDU 3440 - Teaching Toward Democracy **Credit(s): 3 ***
- EDU 4650 - Capstone & Thesis Seminar **Credit(s): 3 ***

2. Required Secondary Education Core Courses

- EDU 3140 - Partnering with the Adolescent Learner to Promote Student Engagement **Credit(s): 4**
- EDU 3360 - Promoting Inventive Thinking: Integrating Multimodal Literacy Across the Curriculum **Credit(s): 3**
- EDU 4130 - Implementing Content Specific Methods in a Secondary Classroom **Credit(s): 4**
- EDU 4850 - Secondary Education Student Teaching **Credit(s): 12**

3. Required Major for Endorsement Area

In addition to the preceding courses, students must successfully complete all Required Content-Area Courses **AND** a bachelor's degree in a major approved for their area of endorsement, as specified below.

Area of Endorsement	Approved Major(s)
English Education See Required Content-Area Courses for this endorsement below (Section 4).	Creative Writing (B.F.A.) - J or English (B.A.) - L
Mathematics Education See Required Content-Area Courses for this endorsement below (Section 4).	Mathematics (B.S.) - J
Science Education See Required Content-Area Courses for this endorsement below (Section 4).	Biology: Field Naturalist (B.A.) - J, Biology (B.S.): General Biology concentration - J, Biology (B.S.): Pre-Medical concentration - J, Health Sciences (B.S.): Pre-Professional Health Studies - J, Health Sciences (B.S.): Physical Education concentration - J, Health Sciences (B.S.): Health & Wellness Coaching Concentration - J, Environmental Science (B.S.): Environmental Analysis & Assessment concentration - J, or Environmental Science (B.S.): Environmental Policy & Advocacy concentration - J

Social Studies Education

See Required Content-Area Courses for this endorsement below (Section 4).

History (B.A.) - J or Political Science (B.A.) - J, O

4. Required Content Courses for Area of Endorsement

In addition to successfully completing an approved *major or 30-credit concentration* for their area of endorsement, students must take the *content-area courses* required for their area of endorsement. Some of these courses may meet requirements for the major as well. With the approval of the Secondary Education Program Director, appropriate course substitutions may be permitted.

English Education: Required Content-Area Courses

- EDU 3032 - Language, Culture, Literature, & Education **Credit(s): 3**
- EDU 3100 - Literacy Intervention, Assessment & Strategies **Credit(s): 3**
- ENG 1310 - Introduction to Literature (J) **Credit(s): 3**
- ENG 3435 - Practical Grammar **Credit(s): 3**
- ENG 3565 - Shakespeare **Credit(s): 3**
- ENG 4150 - Literary Criticism & Theory **Credit(s): 3**

Take 3 of the following courses:

- ENG 2172 - World Literature II **Credit(s): 3**
- ENG 2171 - World Literature I **Credit(s): 3**
- ENG 2281 - Survey of English Literature I **Credit(s): 3**
- ENG 2282 - Survey of English Literature II **Credit(s): 3**
- ENG 2321 - Survey of American Literature I **Credit(s): 3**
- ENG 2322 - Survey of American Literature II **Credit(s): 3**
- ENG 2510 - Women & Literature **Credit(s): 3**

Take 1 of the following courses:

- ENG 2101 - Creative Writing **Credit(s): 3**
- ENG 3120 - Poetry Workshop **Credit(s): 3**
- ENG 3130 - Fiction Workshop **Credit(s): 3**
- ENG 4110 - The Form & Theory of Fiction **Credit(s): 3**
- ENG 4120 - The Form & Theory of Poetry **Credit(s): 3**

Take 1 of the following courses:

- ENG 3140 - The Creative Essay **Credit(s): 3**
- ENG 4130 - The Form & Theory of Nonfiction **Credit(s): 3**

Take 2 of the following literature courses:

- ENG 3270 - Myth & Myth Making **Credit(s): 3**

- ENG 3320 - The English Novel **Credit(s): 3**
- ENG 3345 - Contemporary Canadian Literature **Credit(s): 3**
- ENG 3380 - British Romantic Literature **Credit(s): 3**
- ENG 3390 - Literature of the Grotesque **Credit(s): 3**
- ENG 3395 - Satire in Literature **Credit(s): 3**
- ENG 3435 - Practical Grammar **Credit(s): 3**
- ENG 3480 - Modern Literature **Credit(s): 3**
- ENG 3510 - Contemporary Literature **Credit(s): 3**
- ENG 3520 - American Poetry **Credit(s): 3**
- ENG 3525 - Victorian Literature **Credit(s): 3**
- ENG 3530 - The American Novel **Credit(s): 3**
- ENG 3565 - Shakespeare **Credit(s): 3**
- ENG 3580 - African American Literature **Credit(s): 3**
- ENG 4720 - Seminar in Literature **Credit(s): 3**

Mathematics Education: Required Content-Area Courses

In addition to successfully completing Mathematics (B.S.) - J, students must take the following content-area courses. Some of these courses may meet requirements for the major as well. With the approval of the Secondary Education Program Director, appropriate course substitutions may be permitted.

- INT 3150 - Gödel, Escher, Bach: An Eternal Golden Braid **Credit(s): 3** (A required course for the math major)
- MAT 1531 - Calculus I **Credit(s): 4**
- MAT 2020 - Mathematical Reasoning **Credit(s): 3**
- MAT 2021 - Statistics **Credit(s): 3**
- MAT 2532 - Calculus II **Credit(s): 4**
- MAT 3533 - Calculus III **Credit(s): 4** (An elective in the math major)
- MAT 3040 - Geometrical Reasoning **Credit(s): 3**
- MAT 3210 - Linear Algebra **Credit(s): 3**
- MAT 3240 - Probability Theory with Statistics **Credit(s): 3**
- MAT 3310 - Differential Equations **Credit(s): 3** (An elective in the math major)
- MAT 4130 - Abstract Algebra **Credit(s): 3**
- MAT 4140 - Geometry **Credit(s): 3**
- MAT 4930 - Senior Project in Mathematics **Credit(s): 3** (A capstone requirement for the math major)

Science Education: Required Content-Area Courses

In addition to successfully completing one of the approved majors for this endorsement (the Creative Writing (B.F.A.) - J, Biology: Field Naturalist (B.A.) - J, Biology (B.S.): General Biology concentration - J, Biology (B.S.): Pre-Medical concentration - J, Health Sciences (B.S.): Pre-Professional Health Studies - J, Health Sciences (B.S.): Physical Education concentration - J, Health Sciences (B.S.): Health & Wellness Coaching Concentration - J, Environmental Science (B.S.): Environmental Analysis & Assessment concentration - J or Environmental Science (B.S.): Environmental Policy & Advocacy concentration - J, students must take the following content-area courses. Some of these courses may meet requirements for the major as well. With the approval of the Secondary Education Program Director, appropriate course substitutions may be permitted.

- CHE 1031 - General Chemistry I **Credit(s): 4**
- ENV 1050 - Introduction to Earth Science **Credit(s): 4**
- PHY 2031 - Fundamental Physics I **Credit(s): 4**

Take 1 of the following courses:

- BIO 1210 - Introduction to Biology **Credit(s): 4**
- BIO 1211 - Introduction to Biology: Ecology and Evolution **Credit(s): 4**
- BIO 1212 - Introduction to Biology: Cells and Genetic Basis **Credit(s): 4**

Take 1 of the following courses:

- BIO 1211 - Introduction to Biology: Ecology and Evolution **Credit(s): 4**
- BIO 2340 - Fundamentals of Ecology **Credit(s): 4**
- BIO 3260 - Limnology **Credit(s): 4**
- ENV 3130 - Environmental Geology **Credit(s): 4**

Social Studies Education: Required Content-Area Courses

In addition to successfully completing either the History (B.A.) - J or the Political Science (B.A.) - J, O, students must take the following content-area courses. Some of these courses may meet requirements for the major as well. With the approval of the Secondary Education Program Director, appropriate course substitutions may be permitted.

- HIS 1111 - World History I **Credit(s): 3**
- HIS 1112 - World History II **Credit(s): 3**
- HIS 1211 - American History I **Credit(s): 3**
- HIS 1212 - American History II **Credit(s): 3**

Take 1 of the following courses:

- POS 1010 - Introduction to Political Science **Credit(s): 3**
- POS 1020 - American Politics and Government **Credit(s): 3**

Take 2 of the following courses:

- ANT 1010 - Introduction to Cultural Anthropology **Credit(s): 3**
- GEO 1010 - Introduction to Geography **Credit(s): 3**
- HUM 3125 - Religions of the World **Credit(s): 3**
- POS 1030 - Comparative Government **Credit(s): 3**
- POS 2040 - International Relations **Credit(s): 3**

Take 2 of the following courses:

- HIS 3420 - French Revolution **Credit(s): 3**
- INT 3210 - The Holocaust: An Interdisciplinary Approach **Credit(s): 3**
- POS 1040 - African-American History & Politics **Credit(s): 3**
- POS 3040 - The Politics of Gender **Credit(s): 3**
- POS 3070 - Terrorism, Religion & the Nation-State **Credit(s): 3**
- POS 3220 - Genocide: Inhumanity Across the Ages **Credit(s): 3**

Take 1 of the following courses:

- ECO 2060 - Survey of Economics **Credit(s): 4**
- POS 2050 - International Economics & Politics **Credit(s): 3**

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* meet all other Degree Requirements, including the General Education Core Curriculum and NVU Graduation Standards.

Unified Arts Teacher License Endorsement - J

Northern Vermont University-Johnson offers Unified Arts Teacher Education Programs that prepare students to teach in their area of endorsement -- **art, dance, music, or theater arts** -- to students in grades PreK-12. Graduates who successfully complete one of these programs become candidates for a Level I Professional Educator's License issued by the Vermont Agency of Education. This license is required in order to work as a public school teacher in Vermont; it also is recognized and accepted by more than 40 other states, districts and territories.

All students seeking Unified Arts teaching licensure must:

- Successfully complete all Required Teacher Education Core Courses;
- Successfully complete the Required Unified Arts Education Core Courses;
- Select one of the five Unified Arts Endorsement Areas and successfully complete an approved major for that endorsement -- including all requirements for the bachelor's degree and the General Education and Graduation Requirements -- with a cumulative 3.0 GPA or better and a 3.0 GPA in the major; and
- Successfully complete the Required Content-Area Courses for their chosen area of endorsement.

With careful planning, these requirements can be met for most programs within a four-year plan of study. Most courses must be taken in a specific order; students should check advisement forms, program evaluations and prerequisites for details. Students must earn a B- or better in all courses marked with an asterisk (*). Each Teacher Education Workshop (TEW) is graded as Pass/No Pass.

Theoretical Framework & Learning Pursuits

Applying to a Teacher Education Program at NVU-Johnson

Advancing through a Teacher Education Program at NVU-Johnson

1. Required Teacher Education Core Courses

- EDU TEW1 - Teacher Education Workshop 1: Introduction to Teacher Education **Credit(s): 0**
- EDU TEW2 - Teacher Education Workshop 2: Application for Practicum I **Credit(s): 0**
- EDU TEW3 - Teacher Education Workshop 3: Application for Practicum II **Credit(s): 0**
- EDU TEW4 - Teacher Education Workshop 4: Application for student teaching **Credit(s): 0**
- EDU TEW5 - Teacher Education Workshop 5: Application for a Verification Check **Credit(s): 0**
- EDU 2360 - Perspectives on Learning in a Diverse Society **Credit(s): 3 *** (not required for Music Education majors)
- EDU 2365 - The Ecology of Human Experience: Development, Culture & Identity **Credit(s): 3 ***
- EDU 2370 - The Contemporary School **Credit(s): 3 ***
- EDU 3311 - Foundations of Inclusive Practices **Credit(s): 3 ***

- EDU 3440 - Teaching Toward Democracy **Credit(s): 3 ***
- EDU 4650 - Capstone & Thesis Seminar **Credit(s): 3 ***

Total: 18 credits

2. Required Unified Arts Core Courses

- EDU 3112 - Instructional Dynamics for the Elementary Educator: Curriculum, Instruction & Assessment for Integrated, Engaging & Creative Learners; Part III: Unified Arts for Diverse Learners **Credit(s): 3**
- EDU 4310 - The Art of Experience in Education: Designing for Engagement & Accomplishment through the Unified Arts **Credit(s): 3**

3. Required Major for Unified Arts Endorsement Area

In addition to the preceding courses, students must successfully complete all Required Content-Area Courses **AND** a bachelor's degree in a major approved for their area of endorsement, as specified below.

Area of Endorsement	Approved Major(s)
Art Education	Art (B.A.) - J or Studio Arts (B.F.A.) - J
Dance Education	<i>Major arranged in consultation with the Unified Arts Education Coordinator</i>
Music Education	B.M.E. in Music Education
Theater Arts Education	Theater & Drama (B.A.) - J

4. Required Content Courses for Endorsement Area

In addition to successfully completing an approved *major* for their area of endorsement, students must take the *content-area courses* required for their area of endorsement. Some of these courses may meet requirements for the major as well. With the approval of the Unified Arts Program Director, appropriate course substitutions may be permitted.

Art Education: Required Content-Area Courses

In addition to successfully completing either the Art (B.A.) - J or the Studio Arts (B.F.A.) - J, students must take the following content-area courses. Some of these courses may meet requirements for the major as well. With the approval of the Unified Arts Education Program Director, appropriate course substitutions may be permitted.

- ARH 2010 - Survey of Western Traditions in Art **Credit(s): 3**
- ARH 2060 - Survey of Non-Western Traditions in Art **Credit(s): 3**
- ART 1011 - Drawing I (J) **Credit(s): 3**
- ART 1140 - Design I **Credit(s): 3**
- ART 2110 - Introduction to Digital Media **Credit(s): 3**
- ART 2211 - Painting I (J) **Credit(s): 3**
- ART 2251 - Sculpture I (J) **Credit(s): 3**

- ART 3032 - Advanced Drawing **Credit(s): 3**
- EDU 4812 - Unified Arts Student Teaching **Credit(s): 12**

Additional requirement for B.A. in Art majors:

- ARH 4720 - Seminar in Contemporary Art Issues **Credit(s): 3**

Additional requirement for B.F.A. in Studio Arts majors:

- ART 4730 - B.F.A. Seminar **Credit(s): 3**

Dance Education: Required Content-Area Courses

Students seeking this endorsement consult with the Unified Arts Education Program Director to select an appropriate major. They also must take the following content-area courses, some of which may meet requirements for the major as well. With the approval of the Unified Arts Education Program Director, appropriate course substitutions may be permitted.

- DAN 1010 - Fundamentals of Dance **Credit(s): 3**
- DAN 2040 - Beginning Tap Dance **Credit(s): 2**
- DAN 3020 - Intermediate Ballet: Technique & History **Credit(s): 3**
- DAN 3030 - Improvisation/Composition: Intermediate/Advanced Level **Credit(s): 4**
- DAN 3032 - Body Awareness II **Credit(s): 3**
- DAN 3112 - Intermediate Modern Dance: Technique & History **Credit(s): 3**
- DAN 3130 - Jazz Dance **Credit(s): 3**
- DAN 3180 - Folk Dance II **Credit(s): 3**
- DAN 4130 - Advanced Ballet/Modern Dance: Technique & History **Credit(s): 3**
- EDU 4850 - Secondary Education Student Teaching **Credit(s): 12**

Take 1 of the following courses:

- DAN 3010 - The Renaissance Spirit **Credit(s): 3**
- DAN 3210 - The Emperor Ain't Naked: A History of Western European Fashion & Social Dance from the Mid-14th Century to the Early 20th Century **Credit(s): 3**

Music Education: Required Content-Area Courses

In addition to successfully completing the B.A. in Music Performance & Music Education, students must choose a concentration and take the following content-area courses. Some of these courses may meet requirements for the major as well. With the approval of the Unified Arts Education Program Director, appropriate course substitutions may be permitted.

- MUS 1120 - Applied Music Lessons **Credit(s): 0.5**
- MUS 1231 - Music Theory I **Credit(s): 3**
- MUS 1232 - Music Theory II **Credit(s): 3**
- MUS 2220 - Music Ensemble (J) **Credit(s): 0 or 0.5 or 1**
- MUS 2250 - Introduction to Music Education **Credit(s): 2**
- MUS 2313 - Music Theory III **Credit(s): 3**
- MUS 2314 - Music Theory IV **Credit(s): 3**

- MUS 2361 - Instrumental Techniques I **Credit(s): 3**
- MUS 2362 - Instrumental Techniques II **Credit(s): 3**
- MUS 3031 - History of Western Music I **Credit(s): 3**
- MUS 3032 - History of Western Music II **Credit(s): 3**
- MUS 3060 - Vocal Pedagogy **Credit(s): 2**
- MUS 3080 - Choral Literature **Credit(s): 2**
- MUS 3140 - Arranging/Orchestration **Credit(s): 3**
- MUS 3160 - Elementary School Music Methods **Credit(s): 3**
- MUS 3210 - Secondary School Music Methods **Credit(s): 3**
- MUS 3215 - Technology for the Music Classroom **Credit(s): 3**
- MUS 3270 - Choral Methods **Credit(s): 3**
- MUS 3401 - Conducting I **Credit(s): 3**
- MUS 3402 - Conducting II **Credit(s): 3**
- MUS 3510 - Junior Recital **Credit(s): 1**

Applied Music Lessons: 6 credits

(6 credits in one primary area: vocal or instrumental)

- MUS 1120 - Applied Music Lessons **Credit(s): 0.5**
- MUS 1120L - Applied Music Lesson Lab **Credit(s): 0**
- MUS 3240 - Applied Music Lessons **Credit(s): 1**
- MUS 4030 - Applied Music Lessons **Credit(s): 1.5**

Theater Arts: Required Content-Area Courses

In addition to successfully completing the Theater & Drama (B.A.) - J , students must take the following content-area courses. Some of these courses may meet requirements for the major as well. With the approval of the Unified Arts Education Program Director, appropriate course substitutions may be permitted.

- THA 1040 - Interpreting Contemporary Dramatic Literature (J) **Credit(s): 3**
- THA 1041 - Introduction to Theater Arts (J) **Credit(s): 3**
- THA 1111 - Stagecraft **Credit(s): 3**
- THA 2035 - Costume Construction & Stage Makeup **Credit(s): 3**
- THA 2040 - Performance & Production Lab **Credit(s): 0 or 3**
- THA 2121 - Acting I (J) **Credit(s): 3**
- THA 2121L - Acting I Lab **Credit(s): 1**
- THA 2122 - Acting II (J) **Credit(s): 3**
- THA 3010 - Shakespeare: On the Stage & On the Page **Credit(s): 3**
- THA 3030 - Theater for Young Audiences **Credit(s): 3**
- THA 3110 - Dramatic Literature: Classical/Modern **Credit(s): 3**
- THA 3123 - Acting III **Credit(s): 3**
- THA 3130 - Introduction to Design: Costume, Scenic, and Stage Lighting **Credit(s): 3**
- THA 3140 - Theater History **Credit(s): 3**
- THA 3150 - Introduction to Stage Management **Credit(s): 3**
- THA 3210 - Introduction to Directing **Credit(s): 4**
- THA 4720 - Senior Project in Theater **Credit(s): 3**
- EDU 4850 - Secondary Education Student Teaching **Credit(s): 12**

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* meet all other Degree Requirements, including the General Education Core Curriculum and NVU Graduation Standards.

Major/Majors & Concentrations

Accounting (B.S.) - J, O

Business Programs at NVU-Johnson

The B.S. in Business Administration core is designed to provide students with the skills, knowledge and wisdom necessary to run their own business, be successful in an organization of their choosing and be prepared for graduate study. The program encompasses product and service planning, organizational structure, leadership, human resource management, marketing and financial management. Students engage in both classroom and high-impact learning experiences, including internships with businesses and organizations. By agreement with Clarkson University, **graduates who successfully complete specific courses through this program may earn an M.B.A. with one year of graduate study** at Clarkson. Refer to the NVU-Johnson Business & Economics Department page or contact the Department Chair for details.

Accounting

The B.S. in Accounting at NVU-Johnson is designed to prepare students for the 21st century business environment where innovation and flexibility are essential. The successful student will have a broad understanding of accounting as well as the business structures and practices within which accounting takes place. Each Accounting student will gain this broad knowledge through the 39-credit business core and the 21 credits of course work in the Management concentration. Beyond the accounting courses in the business core, 27 credits of accounting credits will complete the degree.

The B.S. in Accounting is a dual degree. Students will earn not only a B.S. in Accounting but also a B.S. in Business Administration with a concentration in Management. The program is designed for students to finish both degrees in four years.

Learning Outcomes

The B.S. in Accounting is designed to produce graduates who can:

1. Demonstrate the application of accounting principles, assumptions, constraints and processes to support financial and non-financial record keeping and decision making.
2. Apply analytical skills and advisory judgment critical to decision making, assessing risk, developing budgets and plans, allocating resources, and accomplishing objectives.
3. Demonstrate technology proficiency needed to maintain and enhance accounting and financial reporting processes.
4. Identify and apply ethical, legal, and professional standards to issues associated with accounting and business.
5. Achieve fluency with principles of economics, finance, marketing, management theory, and laws affecting business operations.
6. Achieve coherence and articulation in written, oral, and graphic communication.
7. Exemplify professionalism, effective interpersonal communication, and strong work ethic required within business environments.
8. Articulate pathways for educational and career development in the student's field of study.
9. Demonstrate the various ways that companies engage in sustainable business practices, including Corporate Social Responsibility and the Triple Bottom Line.

NVU Business Administration Core (39 Credits)

- ACC 2121 - Financial Accounting **Credit(s): 4**
- ACC 2122 - Managerial Accounting **Credit(s): 4**
- BUS 1210 - Business Software and Spreadsheets **Credit(s): 3**
- BUS 2015 - Fundamentals of Management in Business **Credit(s): 3**
- BUS 2140 - Personal Finance **Credit(s): 3**
- BUS 2230 - Principles of Marketing **Credit(s): 3**
- BUS 2280 - Introduction to Business Ethics **Credit(s): 3**
- BUS 2410 - Human Resource Management **Credit(s): 3**
- BUS 3131 - Business Law I **Credit(s): 3**
- BUS 3240 - Global Business **Credit(s): 3**
- BUS 4060 - Strategic Management **Credit(s): 3**
- ECO 2060 - Survey of Economics **Credit(s): 4**

Management Courses (21 credits)

- BUS 2010 - Project Management **Credit(s): 3**
- BUS 3230 - Financial Management **Credit(s): 3**
- BUS 3250 - Organizational Behavior & Management **Credit(s): 3**
- BUS 4190 - Leadership in Business **Credit(s): 3**
- BUS 4810 - Internship in Business Management **Credit(s): 1-12** (a minimum of 6 credits required)
- MAT 2021 - Statistics **Credit(s): 3**

Accounting Courses (27 credits)

- ACC 1010 - Computerized Accounting **Credit(s): 3**
- ACC 2201 - Intermediate Accounting I **Credit(s): 4**
- ACC 2202 - Intermediate Accounting II **Credit(s): 4**
- ACC 2210 - Cost Accounting **Credit(s): 4**
- ACC 2230 - Federal Taxes **Credit(s): 3**
- ACC 3115 - Advanced Accounting **Credit(s): 3**
- ACC 4050 - Auditing and Assurance Services **Credit(s): 3**
- ACC 4060 - Forensic Accounting **Credit(s): 3**

Total: 87 credits

Accounting (B.S.) - L

Minimum required credits for the program: 78

NVU Business Administration Core (39 Credits)

- ACC 2121 - Financial Accounting **Credit(s): 4**
- ACC 2122 - Managerial Accounting **Credit(s): 4**

- BUS 1210 - Business Software and Spreadsheets **Credit(s): 3**
- BUS 2015 - Fundamentals of Management in Business **Credit(s): 3**
- BUS 2140 - Personal Finance **Credit(s): 3**
- BUS 2230 - Principles of Marketing **Credit(s): 3**
- BUS 2280 - Introduction to Business Ethics **Credit(s): 3**
- BUS 2410 - Human Resource Management **Credit(s): 3**
- BUS 3131 - Business Law I **Credit(s): 3**
- BUS 3240 - Global Business **Credit(s): 3**
- BUS 4060 - Strategic Management **Credit(s): 3**
- ECO 2060 - Survey of Economics **Credit(s): 4**

Management Courses (21 Credits)

- BUS 2010 - Project Management **Credit(s): 3**
- BUS 3230 - Financial Management **Credit(s): 3**
- BUS 3250 - Organizational Behavior & Management **Credit(s): 3**
- BUS 3810 - Business Internship **Credit(s): 3**
- BUS 4190 - Leadership in Business **Credit(s): 3**
- BUS 4830 - Senior Practicum **Credit(s): 3**
- MAT 2021 - Statistics **Credit(s): 3**

Accounting Courses (27 Credits)

- ACC 2201 - Intermediate Accounting I **Credit(s): 4**
- ACC 2202 - Intermediate Accounting II **Credit(s): 4**
- ACC 2210 - Cost Accounting **Credit(s): 4**
- ACC 2230 - Federal Taxes **Credit(s): 3**
- ACC 3050 - Computerized Accounting **Credit(s): 3**
- ACC 3115 - Advanced Accounting **Credit(s): 3**
- ACC 4050 - Auditing and Assurance Services **Credit(s): 3**
- ACC 4060 - Forensic Accounting **Credit(s): 3**

Animation and Illustration (B.F.A.) - L

Minimum required credits for the program: 78 credits

It is strongly recommended that Animation/Illustration students take BIO 2011, XSC 2050, PHY 2031, or PHY 2061 for the NNPW (Natural & Physical Worlds) GECC requirement, and take BUS 2230 for the NBEW (Being in the World: Society & Behavior) GECC requirement.

Requirements for the program (Core, and either the Game Design Concentration or the Animation & Illustration Concentration)

Core Required Courses: (45 credits)

- ARH 2011 - Survey of Western Art I **Credit(s): 3**

- ARH 2012 - Survey of Western Art II **Credit(s): 3**
- ARH 3080 - History of Animation and Illustration **Credit(s): 3**
- ART 1011 - Drawing I (L) **Credit(s): 3**
- ART 1035 - Visual Arts Seminar **Credit(s): 3**
- ART 1045 - Visual Narrative **Credit(s): 3**
- ART 2045 - 3D Modeling for Games and Animation **Credit(s): 3**
- ART 2070 - Introduction to Animation **Credit(s): 3**
- ART 2270 - Introduction to Illustration **Credit(s): 3**
- ART 3020 - Concept Art for Games and Animation **Credit(s): 3**
- DES 1020 - Design **Credit(s): 3**
- DES 1025 - Image Manipulation **Credit(s): 3**
- DES 2010 - Moving Image Fundamentals **Credit(s): 3**

Choose one:

- ART 2530 - Illustration: Concepts and Genres **Credit(s): 3**
OR
- ART 3085 - 3D Rigging and Animation **Credit(s): 3**

Choose one:

- ART 3070 - Illustration: Methods and Practice **Credit(s): 3**
OR
- ART 4175 - Advanced 3D Animation **Credit(s): 3**

English Choice Courses

Choose 3 credits from:

- ENG 2140 - Introduction to Writing Fiction **Credit(s): 3**
- ENG 2535 - Genre Survey **Credit(s): 3**
- ENG 2545 - Literature and Culture Survey **Credit(s): 3**

Core Studio Courses: (12 credits)

Choose 12 credits from:

- ART 3415 - Animation Illustration Workshop I **Credit(s): 3**
- ART 3515 - Animation Illustration Workshop II **Credit(s): 3**
- ART 4415 - Animation Illustration Workshop III **Credit(s): 3**
- ART 4515 - Animation Illustration Workshop IV **Credit(s): 3**
- ART 4820 - Animation Illustration Internship **Credit(s): 1-15**
Note: only 3 credits of ART 4820 may be used to satisfy program requirements

Core Capstone Course: (3 credits)

- DES 4950 - Design Portfolio **Credit(s): 3**

Game Design Concentration: (15 credits)

- CIS 1090 - Problem Solving with Computers **Credit(s): 3**

- CIS 2271 - Java Programming **Credit(s): 3**
- CIS 3025 - Advanced Object Oriented Programming **Credit(s): 3**
- ART 3031 - Life Drawing (L) **Credit(s): 3**

One of the following:

- ART 3160 - Character Design **Credit(s): 3**
- DES 3110 - Interactive Media Design **Credit(s): 3**

Illustration & Animation Concentration: (15 credits)

- ART 3031 - Life Drawing (L) **Credit(s): 3**
Note: ART 3031 must be taken twice for a total of 6 credits.

Choose 9 credits from:

- ART 2055 - Onsite Sketching **Credit(s): 3**
- ART 2241 - Painting I (L) **Credit(s): 3**
- ART 3160 - Character Design **Credit(s): 3**
- DES 1035 - Vector Graphics **Credit(s): 3**
- DES 3110 - Interactive Media Design **Credit(s): 3**
- ENG 3110 - Creative Writing Workshop **Credit(s): 3**

Anthropology & Sociology (B.A.) - J

With integrative study in anthropology and sociology, students investigate and learn to appreciate how diversities and social-structural arrangements among people affect the distribution of power and the ability of people to live meaningful, sustainable lives and co-exist in a fair, socially just world. Anthropology explores the range of cultural and biological differences and similarities among all peoples; topics include evolution, environment, symbolism, values, art, healing, religion and consciousness. Sociology investigates social interaction, the societal forces of inequality and power, and how social structures, economics, politics, education, religion, technology and the media affect the way we behave, interact and view the world.

Learning Outcomes

Anthropology & Sociology graduates should be able to demonstrate:

1. Knowledge of the concepts, theories and methodologies of cultural and social forces and their impact on personal life choices, community relationships, national issues and globalization.
2. Holistic, interdisciplinary critical thinking in a way that integrates oral, written, visual, geographic, computer-based and media literacy skills, to evaluate and communicate the "bigger picture" of societal institutions and multi-cultural forces on our personal choices, our societal arrangements and our global involvements.
3. Cultural diversity skills that acknowledge the many beliefs, values, languages, norms, sanctions, symbols and technologies that inform lifestyles across the globe.
4. Informed knowledge of the power of social and cultural forces to bear upon both personal life choices and on civic responsibility and accountability to co-create a socially just, diverse and sustainable world.
5. Preparedness to further their education or enter careers that require interpersonal, multicultural knowledge and "people skills" in diversity, global awareness and social justice. Career options include education, personnel management, social service agencies, government positions doing research and training, criminal justice and international intelligence agencies.

Total: 40 credits

Required Core Courses

22 Credits

- ANT 1015 - The ANS Major **Credit(s): 1**
- ANT 1010 - Introduction to Cultural Anthropology **Credit(s): 3**
- SOC 1010 - Introduction to Sociology (J) **Credit(s): 3**
- MAT 2021 - Statistics **Credit(s): 3**
- SOC 3260 - Social Theory **Credit(s): 3**
- POS 3025 - Research Design & Analysis **Credit(s): 3**
OR PSY 2410 (Research Methods in Psychology) Credits / Units: 3
- ANT 4720 - Senior Seminar in Anthropology/Sociology **Credit(s): 3**
- ANT 3820 - Anthropology Fieldwork **Credit(s): 1 to 6**
OR SOC 4810 (Internship in Sociology) Credits / Units: 3

Electives

18 Credits.

Take at least 18 credits from the following, with at least six credits from both ANT and SOC:

- ANT 3010 - Native Societies of America **Credit(s): 3**
- ANT 3140 - Yoga and Ayurveda: Science & Culture **Credit(s): 3**
- ANT 3030 - Comparative Cultures **Credit(s): 3**
- ANT 3020 - Religion, Culture & Alternate Realities **Credit(s): 3**
- ANT 3060 - Ethnocuisine **Credit(s): 3**
- ANT 3130 - Culture & Personality **Credit(s): 3**
- BUS 3440 - Ecotourism and Sustainability **Credit(s): 3**
- ANT 4010 - Anthropology of Death **Credit(s): 3**
- ANT 4020 - Multicultural Health, Illness & Healing **Credit(s): 3**
- ANT 4730 - Topical Seminar in Anthropology **Credit(s): 1-3**
- SOC 2040 - Race, Ethnicity, Class, and Gender (J) **Credit(s): 3**
- SOC 2050 - Drugs, Herbs & Society **Credit(s): 3**
- SOC 3020 - Environment & Society **Credit(s): 3**
- SOC 3040 - Social Movement, Culture & Activism **Credit(s): 3**
- SOC 3170 - Power, Politics & Inequality **Credit(s): 3**
- SOC 3050 - Gender and Society (J) **Credit(s): 3**
- SOC 3060 - Sexuality & Intimacy **Credit(s): 3**
- SOC 3080 - Wellness & Alternative Medicine **Credit(s): 3**
- SOC 3130 - Mass Media & Society **Credit(s): 3**
- SOC 3230 - Alternative Medicine, Science & Disease **Credit(s): 3**
- SOC 4010 - Family Violence **Credit(s): 3**
- SOC 4030 - Global Health, Diversity & Policy **Credit(s): 3**
- SOC 4730 - Topical Seminar in Sociology **Credit(s): 1-3**
- SSC 3820 - Global Studies Fieldwork **Credit(s): 1 to 6**

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* meet all other Degree Requirements, including the General Education Core Curriculum and NVU Graduation Standards.

Applied Psychology and Human Services (B.S.) - L

Minimum required credits for the program: 54

Core: (42 Credits)

Core plus 12 elective credits are required for the program (see below for Focus Options):

- **PSY 1010 - Introduction to Psychology Credit(s): 3**
Advised Term - 1st Year
- **PSY 1040 - Human Interaction Credit(s): 3**
Advised Term - 1st Year
- **PSY 2070 - Developmental Psychology Credit(s): 3**
Advised Term - 1st Year
- **PSY 2270 - Introduction to Human Services Credit(s): 3**
Advised Term 2nd Year
- **PSY 2410 - Research Methods in Psychology Credit(s): 3**
Advised Term 2nd Year
- **PSY 2811 - Field Work Credit(s): 3**
Advised Term - 2nd Year
- **PSY 2812 - Field Work Seminar Credit(s): 3**
Advised Term - 2nd Year
- **PSY 3050 - Child Development Credit(s): 3**
OR PSY-3090 Lifespan Across Cultures, OR PSY-3110 Adulthood and Aging, OR PSY-3260 Adolescent Development
Advised Term 2nd or 3rd Year
- **PSY 3070 - Abnormal Psychology Credit(s): 3**
Advised Term 2nd or 3rd Year
- **PSY 3080 - Macro Perspectives Credit(s): 3**
Advised Term 3rd Year
- **PSY 4151 - Counseling Theory & Practice Credit(s): 3**
Advised Term 3rd Year
- **PSY 4720 - Senior Seminar Credit(s): 3**
Advised Term - 4th Year
- **PSY 4820 - Internship Credit(s): 6 to 9**
Six credits, taken in the same semester, are required for graduation.
Advised Term 4th Year
OR
- **PSY 4921 - Senior Research I Credit(s): 3**
And
- **PSY 4922 - Senior Research II Credit(s): 3**
Advised Term 4th Year

Tracks for Applied Psychology and Human Services Majors:

All Applied Psychology and Human Service majors are required to complete four upper-level courses (12 credits) as well as the core courses required for the major. Students must choose one of the following tracks. The upper-level elective(s) for each track should be selected from 3000/4000 level Psychology courses.

General Psychology

MAT 2021 Statistics

PSY 4010 Biopsychology

PSY 4020 Psychological Testing or PSY 3040 Theories of Personality

One additional upper level PSY elective (3 credits)

Child/Adolescent Development

PSY 3050 Child Development OR PSY 3260 Adolescent Development

PSY 4150 Understanding/Working with At-Risk Families

PSY 4170 Developmental Psychopathology

One additional upper level PSY elective (3 credits)

Community Mental Health/Substance Abuse

PSY 1130 Introduction to Substance Abuse

PSY 4215 Substance-Abuse Treatment

PSY 4145 Responding to Psychological Trauma

One additional upper level PSY elective (3 credits)

Elder Populations

PSY 3110 Aging and Older Adulthood

PSY 3210 Perspectives on Death and Dying

PSY 4150 Understanding & Working with At-Risk Families

One additional upper level PSY elective (3 credits)

Generalist

Select four upper level PSY electives. Students should work with their advisor to select courses consistent with individual career goals.

Art (B.A.) - J

Within this program, students create work in a variety of disciplines, including drawing, painting, sculpture, printmaking, photography, digital media, ceramics and art history. The degree provides students with a critical and historical perspective for assessing their work.

Learning Outcomes for Art Majors

Graduating students should be able to:

1. Articulate informed and ideologically sound ideas about art, both historic and contemporary, and connect those ideas to the wider world.
2. Create artwork that is technically proficient and imbued with meaningful content.
3. Demonstrate a general understanding, ability and resourcefulness with a wide range of art media, as well as a deeper understanding of at least one medium such as drawing, painting, sculpture, photography, digital media or art history.
4. Have an openness to ideas other than their own and a willingness to take risks with their own work.
5. Have established regular studio practice, which will hopefully be lifelong, be aware of developing issues in their own work and know how to continue on their own in the pursuit of that vision, with strategies for maintaining self-awareness.

Required Core Courses (21 credits)

- ARH 2010 - Survey of Western Traditions in Art **Credit(s): 3**
- ARH 2060 - Survey of Non-Western Traditions in Art **Credit(s): 3**
- ART 1011 - Drawing I (L) **Credit(s): 3**
- ART 1140 - Design I **Credit(s): 3**
- ART 2110 - Introduction to Digital Media **Credit(s): 3**
- ART 2211 - Painting I (J) **Credit(s): 3**
- ART 2251 - Sculpture I (J) **Credit(s): 3**

Introductory Studio Electives (6 credits)

(Select two courses)

- ART 1231 - Ceramics I **Credit(s): 3**
- ART 2150 - Jewelry & Metalsmithing **Credit(s): 3**
- ART 2301 - Photography I (J) **Credit(s): 3**
- ART 2410 - Introduction to Printmaking **Credit(s): 3**

Advanced Art History & Studio* Electives (15 credits)

(Select five courses, including at least one from ARH and one from ART)

- ARH 3015 - Greek & Roman Art **Credit(s): 3**
- ARH 3020 - Art of the Renaissance **Credit(s): 3**
- ARH 3060 - Twentieth Century Art **Credit(s): 3**
- ARH 3110 - The Spiritual in Non-Western Art **Credit(s): 3**
- ARH 3120 - Art Criticism **Credit(s): 3**
- ARH 3130 - The History of Photography **Credit(s): 3**
- ARH 3140 - African Art **Credit(s): 3**
- ARH 3150 - Art of the Human Body **Credit(s): 3**
- ART 3031 - Life Drawing (J) **Credit(s): 3**
- ART 3032 - Advanced Drawing **Credit(s): 3**
- ART 3040 - Landscape Painting **Credit(s): 3**
- ART 3222 - Ceramics II **Credit(s): 3**
- ART 3314 - Advanced Printmaking **Credit(s): 3**
- ART 3320 - Monoprints **Credit(s): 3**
- ART 4007 - Graphic Novels **Credit(s): 3**
- ART 4020 - Advanced Digital Media **Credit(s): 3**
- ART 4040 - Advanced Photography **Credit(s): 3**
- ART 4050 - Advanced Painting **Credit(s): 3**
- ART 4060 - Advanced Digital: Graphic Design **Credit(s): 3**
- ART 4070 - Advanced Digital: Web Design for Artists **Credit(s): 3**
- ART 4110 - Visual Art & Performance **Credit(s): 3**
- ART 4130 - Advanced Sculpture **Credit(s): 3**

Required Capstone Course (3 credits)

- ARH 4720 - Seminar in Contemporary Art Issues **Credit(s): 3**

Total: 45 credits

Art Education (PreK-12) Teaching Endorsement at NVU-Johnson

Students pursuing a license to teach art in grades PreK-12 must complete either the Art (B.A.) - J or the Studio Arts (B.F.A.) - J as well as specific teacher-education coursework and requirements. Please refer to the Unified Arts Teacher License Endorsement - J section for details.

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* meet all other Degree Requirements, including the General Education Core Curriculum and NVU Graduation Standards.

Associate of Applied Science (A.A.S.) - L

Total required credits for program - 67

This program is unique because it was designed as a template in which to incorporate technical/professional training within the framework of an associate's degree. This program was created to expand NVU-Lyndon's ability "to prepare every student." This program responds to the VSCS strategic plan, specifically providing workforce education for our regional community and the state.

The degree is designed to meet the educational needs in multiple technical/professional fields, e.g., Computer Numerical Control (CNC) training, medical records, banking, etc. The degree requires 28 credits of General Education Core Curriculum, electives, and a flexible number of professional credits (depending on the scope of the professional training required by the organization/technical area). In this degree, the college partners with different organizations, e.g., VTC, VMEC, North Country Career Center, St. Johnsbury Academy, American Banking Association, etc. These organizations provide the technical/professional training, which is independently evaluated to ensure that college-level learning outcomes are met. Thus, the professional education/training components will not be delivered through standard coursework at NVU-Lyndon.

General Education: (28 credits)

These requirements may also be satisfied by placement exams, CLEP examinations, Advanced Placement (AP) credits, suitable transfer credit, or departmental substitutions. Departmental substitutions given as a result of exam or for prior knowledge do not grant credit toward graduation.

English: (6 Credits)

Mathematics: (6 credits)

Choose courses from the following list totaling 6 credits. At least one of these courses must have a MAT designation, unless MAT 1020, Intermediate Algebra, is waived by placement test score. Students waiving Precalculus by placement test score are exempted from the GEU Mathematics requirement altogether. Make your choice keeping in mind requirements for your major and prerequisites for classes you plan to take in the future.

- MAT 1060 - Problem Solving with Mathematics **Credit(s): 3**

- Advised Term 1st/2nd Year
- MAT 1410 - Pre-Calculus **Credit(s): 4**
Advised Term 1st/2nd Year
- MAT 2010 - Number Systems **Credit(s): 3**
Advised Term 1st/2nd Year
- MAT 2021 - Statistics **Credit(s): 3**
Advised Term 1st/2nd Year
- CIS 1090 - Problem Solving with Computers **Credit(s): 3**
Advised Term 1st/2nd Year
- CIS 2060 - Programming with FORTRAN **Credit(s): 3**
Advised Term 1st/2nd Year
- CIS 2271 - Java Programming **Credit(s): 3**
Advised Term 1st/2nd Year
3 Credits for Mathematics May Be Chosen From:
- CIS 1050 - Computer Operation Systems and Spreadsheets **Credit(s): 1**
Advised Term 1st/2nd Year
- CIS 1060 - Introduction to Databases **Credit(s): 1**
Advised Term 1st/2nd Year

Social Science: (6 Credits)

- PSY 1010 - Introduction to Psychology **Credit(s): 3**
Advised Term 1st/2nd Year
- SOC 1010 - Introduction to Sociology (L) **Credit(s): 3**
Advised Term 1st/2nd Year

Lab Science: (4 Credits)

Take 1 lab science (4 credits) from the General Education list of distribution courses in Natural Resources and Sustainability or Scientific and Empirical Reasoning.

Humanities: (3 Credits)

Take 3 credits from the General Education distribution list of courses in English, History, Humanities or Philosophy.

Arts: (3 Credits)

Take 3 credits from the General Education distribution list of courses in Art, Music, or Theater.

Professional Courses: (30 - 39 Credits)

Professional Studies Component - assessment by ETES - 21 to 30 credits.

- BUS 2015 - Fundamentals of Management in Business **Credit(s): 3**
Advised Term 1st/2nd Year
- BUS 1210 - Business Software and Spreadsheets **Credit(s): 3**
Advised Term 1st/2nd Year

Guided Electives: (Up To 9 Credits)

Students must complete up to 9 credits of additional course work (e.g., Business, Mathematics/Computer Science, or advisor approved area of study).

Atmospheric Sciences (B.S.) - L

Requirements include Mathematics and Science courses, the Atmospheric Science program required courses, and at least one of the career concentrations. Note: in order to complete the program in three years, students must be placed into MAT 2532 (Calculus II) and PHY 2061 (Physics I) during the *fall semester of the student's first year*. **All students in the BS in Atmospheric Sciences program must receive a grade of C- or higher in all program required courses and prerequisites to count toward the programmatic degree.**

Mathematics and Science: (21 Credits)

- MAT 1531 - Calculus I **Credit(s): 4**
Advised Term 1st Year
- MAT 2532 - Calculus II **Credit(s): 4**
Advised Term 2nd Year
- MAT 3533 - Calculus III **Credit(s): 4**
Advised Term 2nd Year
- CIS 2101 - Introduction to Unix **Credit(s): 1**
Advised Term 2nd Year
- PHY 2061 - Classic Physics I **Credit(s): 4**
Advised Term 2nd Year
- PHY 2062 - Classic Physics II **Credit(s): 4**
Advised Term 2nd Year

Atmospheric Sciences Courses: (38 Credits)

Students must take the courses below plus choose at least one career concentration by the end of their sophomore year:

- ATM 1211 - Survey of Meteorology I **Credit(s): 2**
Advised Term 1st Year
- ATM 1212 - Survey of Meteorology II **Credit(s): 3**
Advised Term 1st Year
- ATM 2061 - Survey of Climate and Statistics I **Credit(s): 2**
Advised Term 2nd Year
- ATM 2062 - Survey of Climate and Statistics II **Credit(s): 3**
Advised Term 2nd Year
- ATM 3030 - Atmospheric Thermodynamics **Credit(s): 3**
Advised Term 3rd Year
- ATM 3110 - Remote Sensing **Credit(s): 3**
Advised Term 3rd Year
- ATM 3140 - Physical Meteorology **Credit(s): 3**
Advised Term 3rd Year
- ATM 3321 - Atmospheric Dynamics I **Credit(s): 3**
Advised Term 3rd Year

- ATM 3322 - Atmospheric Dynamics II **Credit(s): 3**
Advised Term 4th Year
- ATM 3331 - Analysis and Forecasting I **Credit(s): 3**
Advised Term 3rd Year
- ATM 3332 - Analysis and Forecasting II **Credit(s): 3**
Advised Term 3rd Year
- ATM 4120 - Mesoscale Meteorology **Credit(s): 3**
Advised Term 4th Year
- ATM 4712 - Thesis in Atmospheric Sciences I **Credit(s): 2**
Advised Term 4th Year
- ATM 4713 - Thesis in Atmospheric Sciences II **Credit(s): 2**
Advised Term 4th Year

Graduate School Concentration (12-14 Credits)

Minimum required credits for this concentration: 71

- CHE 1031 - General Chemistry I **Credit(s): 4**
- MAT 3310 - Differential Equations **Credit(s): 3**

Take a minimum of 2 credits from:

- ATM 4140 - Climate Change Dynamics **Credit(s): 3**
- CIS 2060 - Programming with FORTRAN **Credit(s): 3**
- CIS 2279 - Introduction to Perl Programming **Credit(s): 1**
- CIS 2290 - Introduction to Python **Credit(s): 1**

Take one of the following:

- ATM 4110 - Numerical Weather Prediction **Credit(s): 3**
- MAT 3730 - Topics in Differential Equations **Credit(s): 3**
- PHY 2063 - Classic Physics III **Credit(s): 4**

National Weather Service/Military Concentration (15 Credits)

Minimum required credits for this concentration: 74

- ATM 3050 - GIS Applications in Atmospheric Sciences **Credit(s): 3**
- ATM 4030 - Physical Climatology **Credit(s): 3**
- ATM 4040 - Physical Hydrology **Credit(s): 3**
- MAT 3310 - Differential Equations **Credit(s): 3**

Take one computer science course - choose from:

- CIS 2060 - Programming with FORTRAN **Credit(s): 3**
- CIS 2141 - Programming Internet and Web Applications Part I **Credit(s): 3**
- CIS 2271 - Java Programming **Credit(s): 3**

Broadcasting Concentration (14 Credits)

Minimum required credits for this concentration: 73

- ATM 3270 - Television Weather Graphics **Credit(s): 1**
- ATM 4010 - Television Weathercasting **Credit(s): 1**
- JOU 1125 - Television Production and Editing **Credit(s): 3**
- JOU 1221 - Interpersonal Communication **Credit(s): 3**
- JOU 2843 - Practical Presentation I - ATM **Credit(s): 3**
- JOU 3222 - Practical Presentation II - ATM **Credit(s): 3**

Private Industry Concentration (14-16 Credits)

Minimum required credits for this concentration: 73

Take one business course - choose from:

- BUS 2015 - Fundamentals of Management in Business **Credit(s): 3**
- BUS 2230 - Principles of Marketing **Credit(s): 3**
- ECO 2060 - Survey of Economics **Credit(s): 4**
- BUS 3131 - Business Law I **Credit(s): 3**

Take a minimum of 2 credits from:

- ATM 4140 - Climate Change Dynamics **Credit(s): 3**
- CIS 2060 - Programming with FORTRAN **Credit(s): 3**
- CIS 2141 - Programming Internet and Web Applications Part I **Credit(s): 3**
- CIS 2279 - Introduction to Perl Programming **Credit(s): 1**
- CIS 2290 - Introduction to Python **Credit(s): 1**

Take one communications course - choose from:

- ENG 1280 - Fundamentals of Public Speaking **Credit(s): 3**
- ENG 3010 - Advanced Composition and Rhetoric **Credit(s): 3**
- JOU 1010 - Introduction to Media Communication **Credit(s): 3**
- JOU 1221 - Interpersonal Communication **Credit(s): 3**
- OEL 1080 - Leadership and Small Group Dynamics **Credit(s): 3**

Take 1 GIS course:

- ATM 3050 - GIS Applications in Atmospheric Sciences **Credit(s): 3**

Take one ATM elective - choose from:

- ATM 2210 - Geophysical and Human Interactions **Credit(s): 3**
- ATM 3170 - Weather Risk Assessment **Credit(s): 3**

- ATM 3310 - Forecasting Applications **Credit(s): 3**
- ATM 4030 - Physical Climatology **Credit(s): 3**
- ATM 4040 - Physical Hydrology **Credit(s): 3**
- ATM 4110 - Numerical Weather Prediction **Credit(s): 3**
- ATM 4710 - Topics in Atmospheric Sciences **Credit(s): Variable**

Climate Change (15 Credits)

Minimum required credits for this concentration: 74

- ATM 2210 - Geophysical and Human Interactions **Credit(s): 3**
- ATM 3050 - GIS Applications in Atmospheric Sciences **Credit(s): 3**
- ATM 4030 - Physical Climatology **Credit(s): 3**
- ATM 4040 - Physical Hydrology **Credit(s): 3**
- ATM 4140 - Climate Change Dynamics **Credit(s): 3**

Biology (B.S.): General Biology concentration - J

This program focuses on the core sub-disciplines of biology, including molecular and cellular biology, organismal biology, ecology and evolution. Students explore the world in the field and in laboratory, working side by side with professors and peers conducting research and benefiting from advanced learning opportunities typically reserved for graduate-level students. **Students graduate with a B.S. in Biology concentrating in General Biology.** Graduates who also successfully complete the required education courses for secondary licensure become candidates for a license to teach science in grades 7-12.

Biology Programs at NVU-Johnson

The study of biology serves all college majors and professionals by preparing them to understand and deal with the many biological concepts, issues and problems in their fields. Our program is designed to introduce the core sub-disciplines of biology and to offer advanced studies in organismal, human, molecular and environmental biology. Microbiologists, physiologists, zoologists, molecular biologists, field naturalists, ecologists, marine biologists, agricultural scientists, foresters, wildlife managers, physicians, therapists, nutritionists, toxicologists, science writers and teachers are a sample of the professionals who commonly begin as biology majors.

Students in the biology program explore outdoor laboratories ranging from the College's Babcock Nature Preserve to areas as diverse as tropical ecosystems and the American west. On campus, our program is supported by teaching laboratories, a greenhouse, an artificial stream laboratory, a cellular and molecular laboratory, and extensive herbarium and vertebrate museum collections.

The research activities of the faculty include understanding cell behavior at the molecular level, classification of plants, improving teaching in biology, vertebrate ecology and studying environmental pollution.

The B.S. in Biology is designed for students who desire a comprehensive training in the life sciences leading to areas in education, research or medicine. As noted above, graduates who also complete the required education courses for secondary licensure become candidates for a license to teach science in grades 7-12.

Learning Outcomes

- **Demonstrate basic knowledge:** Students will define and explain the major concepts in the biological sciences; for example, the relationship between structure and function at all levels of organization.

- **Apply the scientific method:** Students will incorporate the major steps in the scientific method to design and carry out research studies and to test hypotheses.
- **Communicate in Science:** a) Students will communicate at a scientific level in writing and b) Students will communicate at a scientific level in oral presentations.
- **Develop technical skills:** Students will practice proper usage of scientific instrumentation and will improve techniques both in the laboratory and in the natural environment.
- **Apply quantitative analysis and mathematical reasoning:** Students will apply quantitative analysis to interpret biological data.
- **Read and analyze scientific information:** Students will read, understand, and incorporate scientific literature in their writing.
- **Discuss the relationships between science and society:** Students will integrate current biological evidence into discussion of global challenges.

Biology Curriculum at NVU-Johnson (42 credits)

- BIO 1211 - Introduction to Biology: Ecology and Evolution **Credit(s): 4**
- BIO 1212 - Introduction to Biology: Cells and Genetic Basis **Credit(s): 4 ***
- BIO 4810 - Internship in Biology **Credit(s): 1-12 OR**
- BIO 4920 - Senior Thesis **Credit(s): 3**
- CHE 1031 - General Chemistry I **Credit(s): 4 ***
- CHE 1032 - General Chemistry II **Credit(s): 4 ***
- CHE 3111 - Organic Chemistry I **Credit(s): 4 ***
- CHE 3112 - Organic Chemistry II **Credit(s): 4 ***
- ENV 2210 - Current Topics in Science **Credit(s): 1** (Students are required to complete 3 semesters of ENV-2210.)
- MAT 1531 - Calculus I **Credit(s): 4 ***
- PHY 2031 - Fundamental Physics I **Credit(s): 4**
- PHY 2032 - Fundamental Physics II **Credit(s): 4**

General Biology Concentration

Required Concentration Courses (8 credits)

- BIO 2340 - Fundamentals of Ecology **Credit(s): 4**
- BIO 3220 - Genetics **Credit(s): 4**

Electives (choose at least 1 from each set):

Set 1: Mathematics

- MAT 2021 - Statistics **Credit(s): 3**
- MAT 2532 - Calculus II **Credit(s): 4**

Set 2: Cell/Molecular Biology

- BIO 3125 - Biological Chemistry **Credit(s): 4**
- BIO 3130 - Cellular Biology: A Molecular Approach **Credit(s): 4**
- BIO 3140 - Introduction to Microbiology **Credit(s): 4**

Set 3: Organismal Biology

- BIO 2011 - Human Anatomy & Physiology I **Credit(s): 4**
- BIO 2012 - Human Anatomy and Physiology II **Credit(s): 4**
- BIO 2145 - Plant Biology **Credit(s): 4**
- BIO 2310 - Invertebrate & Vertebrate Zoology **Credit(s): 4**
- BIO 3160 - Animal Behavior **Credit(s): 4**
- BIO 3170 - Mammalogy **Credit(s): 4**
- BIO 3320 - Ornithology **Credit(s): 4**

Set 4: Ecology/Evolution

- BIO 3260 - Limnology **Credit(s): 4**
- BIO 3280 - Environmental Toxicology **Credit(s): 4**
- BIO 3290 - Conservation Biology **Credit(s): 3**

Total: 64-66 credits

** These courses also fulfill requirements in the Environmental Science, Health Sciences, Outdoor Education and Wellness & Alternative Medicine programs.*

+ These courses also fulfill the General Education Curriculum requirements.

Secondary Teaching License in Science

Students pursuing licensure endorsement to teach science in grades 7-12 must successfully complete one of the approved majors for this endorsement (the Biology: Field Naturalist (B.A.) - J, Biology (B.S.): Pre-Medical concentration - J, Health Sciences (B.S.): Health & Wellness Coaching Concentration - J, Environmental Science (B.S.): Environmental Analysis & Assessment concentration - J, or Environmental Science (B.S.): Environmental Policy & Advocacy concentration - J), as well as specific teacher-education coursework and requirements. Please refer to the Secondary Teacher License Endorsement - J section for details.

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* meet all other Degree Requirements, including the General Education Core Curriculum and NVU Graduation Standards.

Biology (B.S.): Pre-Medical concentration - J

This program prepares students for a variety of positions in medicine, science and research as well as admission to medical school. In addition to core biology courses and labs (including physics, calculus, and general and organic chemistry), students take upper-level electives in anatomy and physiology, pharmacology, nutrition, genetics, microbiology, kinesiology and related

topics. **Students graduate with a B.S. in Biology with a concentration in Pre-Medical Biology.** Graduates who successfully complete the required education courses for secondary licensure become candidates for a license to teach science in grades 7-12.

Biology Programs at NVU-Johnson

The study of biology serves all college majors and professionals by preparing them to understand and deal with the many biological concepts, issues and problems in their fields. Our program is designed to introduce the core sub-disciplines of biology and to offer advanced studies in organismal, human, molecular and environmental biology. Microbiologists, physiologists, zoologists, molecular biologists, field naturalists, ecologists, marine biologists, agricultural scientists, foresters, wildlife managers, physicians, therapists, nutritionists, toxicologists, science writers and teachers are a sample of the professionals who commonly begin as biology majors.

Students in the biology program explore outdoor laboratories ranging from the College's Babcock Nature Preserve to areas as diverse as tropical ecosystems and the American west. On campus, our program is supported by teaching laboratories, a greenhouse, an artificial stream laboratory, a cellular and molecular laboratory, and extensive herbarium and vertebrate museum collections.

The research activities of the faculty include understanding cell behavior at the molecular level, classification of plants, improving teaching in biology, vertebrate ecology and studying environmental pollution.

The B.S. in Biology is designed for students who desire a comprehensive training in the life sciences leading to areas in education, research or medicine. As noted above, graduates who also complete the required education courses for secondary licensure become candidates for a license to teach science in grades 7-12.

Learning Outcomes

- **Demonstrate basic knowledge:** Students will define and explain the major concepts in the biological sciences; for example, the relationship between structure and function at all levels of organization.
- **Apply the scientific method:** Students will incorporate the major steps in the scientific method to design and carry out research studies and to test hypotheses.
- **Communicate in Science:** a) Students will communicate at a scientific level in writing and b) Students will communicate at a scientific level in oral presentations.
- **Develop technical skills:** Students will practice proper usage of scientific instrumentation and will improve techniques both in the laboratory and in the natural environment.
- **Apply quantitative analysis and mathematical reasoning:** Students will apply quantitative analysis to interpret biological data.
- **Read and analyze scientific information:** Students will read, understand, and incorporate scientific literature in their writing.
- **Discuss the relationships between science and society:** Students will integrate current biological evidence into discussion of global challenges.

Biology Curriculum at NVU-Johnson (42 credits)

- BIO 1211 - Introduction to Biology: Ecology and Evolution **Credit(s): 4**
- BIO 1212 - Introduction to Biology: Cells and Genetic Basis **Credit(s): 4 ***

- BIO 4810 - Internship in Biology **Credit(s): 1-12 OR**
- BIO 4920 - Senior Thesis **Credit(s): 3**

- CHE 1031 - General Chemistry I **Credit(s): 4 ***

- CHE 1032 - General Chemistry II **Credit(s): 4 ***
- CHE 3111 - Organic Chemistry I **Credit(s): 4 ***
- CHE 3112 - Organic Chemistry II **Credit(s): 4 ***
- ENV 2210 - Current Topics in Science **Credit(s): 1** (Students are required to complete 3 semesters of ENV-2210.)
- MAT 1531 - Calculus I **Credit(s): 4 ***
- PHY 2031 - Fundamental Physics I **Credit(s): 4**
- PHY 2032 - Fundamental Physics II **Credit(s): 4**

Pre-Medical Concentration Curriculum

Take at least 16 credits from the following:

- AHS 3050 - Introduction to Pharmacology **Credit(s): 3**
- AHS 3120 - Kinesiology **Credit(s): 3**
- AHS 3230 - Physiology of Exercise **Credit(s): 4**
- BIO 2011 - Human Anatomy & Physiology I **Credit(s): 4**
- BIO 2012 - Human Anatomy and Physiology II **Credit(s): 4**
- BIO 2310 - Invertebrate & Vertebrate Zoology **Credit(s): 4**
- BIO 3125 - Biological Chemistry **Credit(s): 4**
- BIO 3130 - Cellular Biology: A Molecular Approach **Credit(s): 4**
- BIO 3140 - Introduction to Microbiology **Credit(s): 4**
- BIO 3180 - Nutrition **Credit(s): 3**
- BIO 3220 - Genetics **Credit(s): 4**
- MAT 2021 - Statistics **Credit(s): 3**
- MAT 2532 - Calculus II **Credit(s): 4**

Total: 58 credits (73 with recommended courses below)

Additional Recommended Courses (15 credits)

Medical schools generally look for students who have a solid education in the liberal arts. Courses in humanities and the social sciences are strongly recommended, including the following.

- SOC 1010 - Introduction to Sociology (J) **Credit(s): 3**
- SOC 3060 - Sexuality & Intimacy **Credit(s): 3**
- PSY 1010 - Introduction to Psychology **Credit(s): 3**
- PSY 3330 - Psychology of Addictions **Credit(s): 3**
- PSY 4010 - Biological Psychology **Credit(s): 3**

Secondary Teaching License in Science

Students pursuing licensure endorsement to teach science in grades 7-12 must successfully complete one of the approved majors for this endorsement (the Biology: Field Naturalist (B.A.) - J, Biology (B.S.): Pre-Medical concentration - J, Health Sciences (B.S.): Health & Wellness Coaching Concentration - J, Environmental Science (B.S.): Environmental Analysis & Assessment concentration - J, or Environmental Science (B.S.): Environmental Policy & Advocacy concentration - J), as well as specific teacher-education coursework and requirements. Please refer to the Secondary Teacher License Endorsement - J section for details.

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* meet all other Degree Requirements, including the General Education Core Curriculum and NVU Graduation Standards.

Biology: Field Naturalist (B.A.) - J

The B.A. in Biology: Field Naturalist is designed for students who wish to pursue meaningful careers as field scientists, naturalists, or researchers. Students learn the skills to work in the field for private, not-for-profit, local, state, and federal governments and organizations. Field naturalists have a broad knowledge of ecology, organismal biology, field geology and soils, environmental assessment, conservation biology, and wildlife management. Field naturalists can effectively communicate technical scientific information to a broad range of professional and lay audiences including the general public, planners and regulators, and government officials.

Learning Outcomes

- **Demonstrate basic knowledge:** Students will define and explain the major concepts in the biological sciences; for example, the relationship between structure and function at all levels of organization.
- **Apply the scientific method:** Students will incorporate the major steps in the scientific method to design and carry out research studies and to test hypotheses.
- **Communicate in Science:** a) Students will communicate at a scientific level in writing and b) Students will communicate at a scientific level in oral presentations.
- **Develop technical skills:** Students will practice proper usage of scientific instrumentation and will improve techniques both in the laboratory and in the natural environment.
- **Apply quantitative analysis and mathematical reasoning:** Students will apply quantitative analysis to interpret biological data.
- **Read and analyze scientific information:** Students will read, understand, and incorporate scientific literature in their writing.
- **Discuss the relationships between science and society:** Students will integrate current biological evidence into discussion of global challenges.

Required Core Courses (40 credits)

- BIO 1211 - Introduction to Biology: Ecology and Evolution **Credit(s): 4 +**
- BIO 1212 - Introduction to Biology: Cells and Genetic Basis **Credit(s): 4 * +**
- BIO 2145 - Plant Biology **Credit(s): 4**
- BIO 2310 - Invertebrate & Vertebrate Zoology **Credit(s): 4**
- BIO 2340 - Fundamentals of Ecology **Credit(s): 4 ***
- CHE 1055 - General, Organic and Biochemistry **Credit(s): 4 ***
- ENV 1050 - Introduction to Earth Science **Credit(s): 4 * +**
- ENV 1110 - Introduction to Environmental Problems **Credit(s): 3 ***

- ENV 2050 - The Natural History of Vermont **Credit(s): 3 * OR**
- BIO 2130 - Natural History of the Yellowstone Plateau **Credit(s): 3 ***

- ENV 2210 - Current Topics in Science **Credit(s): 1**

- BIO 4810 - Internship in Biology **Credit(s): 1-12 OR**
- BIO 4920 - Senior Thesis **Credit(s): 3**

Electives (Take at least 16 credits from the following; they can be from more than one theme):

Theme 1: Science

- BIO 3260 - Limnology **Credit(s): 4** (Note: This course has CHE 1031 - General Chemistry I, as a prerequisite.)
- BIO 3270 - Forest Ecology **Credit(s): 4** (Note: This course has CHE 1031 - General Chemistry I, as a prerequisite.)
- BIO 3290 - Conservation Biology **Credit(s): 3**
- BIO 4220 - Wildlife Ecology & Management **Credit(s): 4**
- ENV 3240 - Fundamentals of Soil Science **Credit(s): 4** (Note: This course has CHE 1031 - General Chemistry I, as a prerequisite.)
- ENV 3310 - Applications in GIS **Credit(s): 4**
- GEY 3120 - Field Geology **Credit(s): 4**

An upper-level organismal-biology course with a significant field/lab component, approved by your academic advisor, is also a course option in this category.

Theme 2: Communication

- ART 2430 - Introduction to Video Production **Credit(s): 3**
- ENG 3140 - The Creative Essay **Credit(s): 3**
(Note: This course has either ENG 2101 - Creative Writing (3 cr.), or ENG 2051 - Introduction to Journalism (3 cr.), as a prerequisite.)
- ENG 4130 - The Form & Theory of Nonfiction **Credit(s): 3** (Note: It is recommended that one 3000-level writing course (3 cr.) be taken as a prerequisite.)
- ENV 2025 - Nature Photography **Credit(s): 3**
- BIO 3370 - Environmental Interpretation **Credit(s): 3**

Theme 3: Business

- ACC 2121 - Financial Accounting **Credit(s): 4**
- BUS 2015 - Fundamentals of Management in Business **Credit(s): 3**
- BUS 2210 - Small Business Management **Credit(s): 3**
- BUS 2230 - Principles of Marketing **Credit(s): 3**
- BUS 3131 - Business Law I **Credit(s): 3**

Total: 56-65 credits

** These courses also fulfill requirements in the Environmental Science, Health Sciences, Outdoor Education and Wellness & Alternative Medicine programs.*

+ These courses also fulfill the General Education Curriculum requirements.

Secondary Teaching License in Science

Students pursuing licensure endorsement to teach science in grades 7-12 must successfully complete one of the approved majors for this endorsement (the Biology: Field Naturalist (B.A.) - J, Biology (B.S.): Pre-Medical concentration - J, Health Sciences (B.S.): Health & Wellness Coaching Concentration - J, Environmental Science (B.S.): Environmental Analysis & Assessment concentration - J, or Environmental Science (B.S.): Environmental Policy & Advocacy concentration - J), as well as specific teacher-education coursework and requirements. Please refer to the Secondary Teacher License Endorsement - J section for details.

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* meet all other Degree Requirements, including the General Education Core Curriculum and NVU Graduation Standards.

Broadcast and Digital Journalism (A.S.) - L

Minimum required credits for the program: 26-27

Requirements for the program

- JOU 1010 - Introduction to Media Communication **Credit(s): 3**
- JOU 1125 - Television Production and Editing **Credit(s): 3**
- JOU 1221 - Interpersonal Communication **Credit(s): 3**
- JOU 2040 - Journalistic Writing **Credit(s): 3**
- JOU 2125 - Advanced Field Production and Digital Editing **Credit(s): 4**
- JOU 2130 - Local News Gathering **Credit(s): 3**
- JOU 2828 - Newsroom Practicum I (Lite) **Credit(s): 1-2**
- JOU 2840 - Professional Communications in Media I **Credit(s): 3**
- JOU 3030 - Media Law and Regulations **Credit(s): 3**
- JOU 3850 - Social Media in the Media **Credit(s): 3**

Broadcast and Digital Journalism (B.S.) - L

Minimum required credits for the program: 60

Requirements for the program

- JOU 1010 - Introduction to Media Communication **Credit(s): 3**
- JOU 1125 - Television Production and Editing **Credit(s): 3**
- JOU 1221 - Interpersonal Communication **Credit(s): 3**
- JOU 2040 - Journalistic Writing **Credit(s): 3**
- JOU 2125 - Advanced Field Production and Digital Editing **Credit(s): 4**
- JOU 2130 - Local News Gathering **Credit(s): 3**
- JOU 2160 - History of Journalism **Credit(s): 3**
- JOU 2815 - Newsroom Practicum I **Credit(s): 4**
- JOU 2840 - Professional Communications in Media I **Credit(s): 3**

- JOU 3030 - Media Law and Regulations **Credit(s): 3**
- JOU 3240 - Professional Communications in Media II **Credit(s): 3**
- JOU 3815 - Newsroom Practicum II **Credit(s): 6**
- JOU 3850 - Social Media in the Media **Credit(s): 3**
- JOU 4020 - Issues and Ethics in Media **Credit(s): 3**
- JOU 4550 - Advanced Professional Communications in the Media **Credit(s): 1**
- JOU 4815 - Newsroom Practicum III **Credit(s): 9**

- JOU 4850 - Convergence Portfolio Practicum: I-Team **Credit(s): 3 OR**
- JOU 4851 - Convergence Portfolio Practicum: Photojournalism **Credit(s): 3 OR**
- JOU 4852 - Convergence Portfolio Practicum: Print & Digital **Credit(s): 3**

Business Administration (A.S.) - J, O

This program addresses the basic components of a business: management, marketing, accounting, economics, and technology.

Learning Outcomes:

The A.S. in Business Administration is designed to produce graduates who can:

1. Apply analytical skills to assessing risk, developing budgets, allocating resources, and accomplishing objectives.
2. Demonstrate technology proficiency needed to maintain accounting and financial reporting processes.
3. Identify and apply ethical, legal and professional standards to issues associated with business.
4. Demonstrate a basic understanding of economics, finance, marketing, management theory, and laws affecting business operations.
5. Be able to communicate in written, oral, and graphic forms.
6. Demonstrate professionalism, effective communication, and appropriate work ethic required within business environments.
7. Articulate pathways for educational and career development in the student's field of study.
8. Have knowledge of the various ways that companies engage in sustainable business practices.

NVU AS Business Administration

- ACC 2121 - Financial Accounting **Credit(s): 4**
- ACC 2122 - Managerial Accounting **Credit(s): 4**
- BUS 1210 - Business Software and Spreadsheets **Credit(s): 3**
- BUS 2015 - Fundamentals of Management in Business **Credit(s): 3**
- BUS 2140 - Personal Finance **Credit(s): 3**
- BUS 2230 - Principles of Marketing **Credit(s): 3**
- BUS 2410 - Human Resource Management **Credit(s): 3**
- BUS 3131 - Business Law I **Credit(s): 3**
- ECO 2060 - Survey of Economics **Credit(s): 4**

Total: 30 credits

Business Administration (A.S.) - L

Minimum required credits for the program: 30

Students pursuing the A.S. in Business Administration are required to complete MAT 2021, as a part of their GECC Mathematics and Computing in the World (NMCW) requirement.

NVU AS Business Administration

- ACC 2121 - Financial Accounting **Credit(s): 4**
- ACC 2122 - Managerial Accounting **Credit(s): 4**
- BUS 1210 - Business Software and Spreadsheets **Credit(s): 3**
- BUS 2015 - Fundamentals of Management in Business **Credit(s): 3**
- BUS 2140 - Personal Finance **Credit(s): 3**
- BUS 2230 - Principles of Marketing **Credit(s): 3**
- BUS 2410 - Human Resource Management **Credit(s): 3**
- BUS 3131 - Business Law I **Credit(s): 3**
- ECO 2060 - Survey of Economics **Credit(s): 4**

Business Administration (B.S.): Management concentration - J, O

Business Programs at NVU-Johnson

The B.S. in Business Administration core is designed to provide students with the skills, knowledge and wisdom necessary to run their own business, be successful in an organization of their choosing and be prepared for graduate study. The program encompasses product and service planning, organizational structure, leadership, human resource management, marketing and financial management. Students engage in both classroom and high-impact learning experiences, including internships with businesses and organizations. By agreement with Clarkson University, **graduates who successfully complete specific courses through this program may earn an M.B.A. with one year of graduate study** at Clarkson. Refer to the NVU-Johnson Business & Economics Department page or contact the Department Chair for details.

Management Concentration

Effective management of people, organizations, and processes has become the hallmark of successful business enterprises. This concentration hones these skills through 21 credits of course work. The courses, while based on theory, apply "learning by doing" to enhance the student experience with practical, real world applications. The required 6-credit internship brings the student into the business world where classroom theory can be tested in a real, live environment. Often the internship leads to full-time employment offers.

Graduates earn a B.S. in Business Administration with a concentration in Management.

Learning Outcomes:

The Business Administration (B.S.): Management concentration is designed to produce graduates who can:

1. Apply analytical skills and advisory judgment critical to decision making, assessing risk, developing budgets and plans, allocating resources, and accomplishing objectives.
2. Demonstrate technology proficiency needed to maintain and enhance accounting and financial reporting processes.
3. Identify and apply ethical, legal, and professional standards to issues associated with accounting and business.

4. Achieve fluency with principles of economics, finance, marketing, management theory, and laws affecting business operations.
5. Achieve coherence and articulation in written, oral, and graphic communication.
6. Exemplify professionalism, effective interpersonal communication, and strong work ethic required within business environments.
7. Articulate pathways for educational and career development in the student's field of study.
8. Demonstrate the various ways that companies engage in sustainable business practices, including Corporate Social Responsibility and the Triple Bottom Line.

NVU Business Administration Core (39 Credits)

- ACC 2121 - Financial Accounting **Credit(s): 4**
- ACC 2122 - Managerial Accounting **Credit(s): 4**
- BUS 1210 - Business Software and Spreadsheets **Credit(s): 3**
- BUS 2015 - Fundamentals of Management in Business **Credit(s): 3**
- BUS 2140 - Personal Finance **Credit(s): 3**
- BUS 2230 - Principles of Marketing **Credit(s): 3**
- BUS 2280 - Introduction to Business Ethics **Credit(s): 3**
- BUS 2410 - Human Resource Management **Credit(s): 3**
- BUS 3131 - Business Law I **Credit(s): 3**
- BUS 3240 - Global Business **Credit(s): 3**
- BUS 4060 - Strategic Management **Credit(s): 3**
- ECO 2060 - Survey of Economics **Credit(s): 4**

Management Concentration Curriculum (18-24 credits)

- BUS 2010 - Project Management **Credit(s): 3**
- BUS 3230 - Financial Management **Credit(s): 3**
- BUS 3250 - Organizational Behavior & Management **Credit(s): 3**
- BUS 4190 - Leadership in Business **Credit(s): 3**
- BUS 4810 - Internship in Business Management **Credit(s): 1-12** (a minimum of 6 credits required)
- MAT 2021 - Statistics **Credit(s): 3**

Total: 60 credits

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* meet all other Degree Requirements, including the General Education Core Curriculum and NVU Graduation Standards.

Business Administration (B.S.): Management Concentration - L

Minimum required credits for the program: 60-63

NVU Business Administration Core (39 Credits)

- ACC 2121 - Financial Accounting **Credit(s): 4**
- ACC 2122 - Managerial Accounting **Credit(s): 4**
- BUS 1210 - Business Software and Spreadsheets **Credit(s): 3**
- BUS 2015 - Fundamentals of Management in Business **Credit(s): 3**
- BUS 2140 - Personal Finance **Credit(s): 3**
- BUS 2230 - Principles of Marketing **Credit(s): 3**
- BUS 2280 - Introduction to Business Ethics **Credit(s): 3**
- BUS 2410 - Human Resource Management **Credit(s): 3**
- BUS 3131 - Business Law I **Credit(s): 3**
- BUS 3240 - Global Business **Credit(s): 3**
- BUS 4060 - Strategic Management **Credit(s): 3**
- ECO 2060 - Survey of Economics **Credit(s): 4**

Concentration in Management (21 Credits)

- BUS 2010 - Project Management **Credit(s): 3**
- BUS 3230 - Financial Management **Credit(s): 3**
- BUS 3250 - Organizational Behavior & Management **Credit(s): 3**
- BUS 3810 - Business Internship **Credit(s): 3**
- BUS 4190 - Leadership in Business **Credit(s): 3**
- BUS 4830 - Senior Practicum **Credit(s): 3**
- MAT 2021 - Statistics **Credit(s): 3**

Business Administration (B.S.): Sport Management Concentration - J, O

Business Programs at NVU-Johnson

The B.S. in Business Administration core is designed to provide students with the skills, knowledge and wisdom necessary to run their own business, be successful in an organization of their choosing and be prepared for graduate study. The program encompasses product and service planning, organizational structure, leadership, human resource management, marketing and financial management. Students engage in both classroom and high-impact learning experiences, including internships with businesses and organizations. By agreement with Clarkson University, **graduates who successfully complete specific courses through this program may earn an M.B.A. with one year of graduate study** at Clarkson. Refer to the NVU-Johnson Business & Economics Department page or contact the Department Chair for details.

Sport Management Concentration

This program reflects the fact that sports today is as much about marketing events and refining a brand as it is about working with players and scheduling events - and that strong business skills are essential for successful careers in sport management. Students complete a core of business administration courses plus specific courses related to the business side of sports and recreation. An internship is required. **Students graduate with a B.S. in Business Administration with a concentration in Sport Management.** Career opportunities range from managing professional teams and arenas to overseeing the marketing and finances of sports teams and organizations.

Learning Outcomes:

Business Administration (B.S.): Sport Management concentration is designed to produce graduates who can:

1. Apply analytical skills and advisory judgment critical to decision making, assessing risk, developing budgets and plans, allocating resources, and accomplishing objectives.
2. Demonstrate technology proficiency needed to maintain and enhance accounting and financial reporting processes.
3. Identify and apply ethical, legal, and professional standards to issues associated with accounting and business.
4. Achieve fluency with principles of economics, finance, marketing, management theory, and laws affecting business operations.
5. Achieve coherence and articulation in written, oral, and graphic communication.
6. Exemplify professionalism, effective interpersonal communication, and strong work ethic required within business environments.
7. Articulate pathways for educational and career development in the student's field of study.
8. Demonstrate the various ways that companies engage in sustainable business practices, including Corporate Social Responsibility and the Triple Bottom Line.

NVU Business Administration Core (39 Credits)

- ACC 2121 - Financial Accounting **Credit(s): 4**
- ACC 2122 - Managerial Accounting **Credit(s): 4**
- BUS 1210 - Business Software and Spreadsheets **Credit(s): 3**
- BUS 2015 - Fundamentals of Management in Business **Credit(s): 3**
- BUS 2140 - Personal Finance **Credit(s): 3**
- BUS 2230 - Principles of Marketing **Credit(s): 3**
- BUS 2280 - Introduction to Business Ethics **Credit(s): 3**
- BUS 2410 - Human Resource Management **Credit(s): 3**
- BUS 3131 - Business Law I **Credit(s): 3**
- BUS 3240 - Global Business **Credit(s): 3**
- BUS 4060 - Strategic Management **Credit(s): 3**
- ECO 2060 - Survey of Economics **Credit(s): 4**

Sport Management Concentration Curriculum (21 credits)

- AHS 4030 - Psychology of Sports & Exercise **Credit(s): 3**
- BUS 3420 - Athletic Facility & Event Management **Credit(s): 3**
- BUS 1350 - Sport & Society, Sport Management Issues and Concepts **Credit(s): 3**
- BUS 4320 - Sport Promotion & Branding **Credit(s): 3**
- BUS 4810 - Internship in Business Management **Credit(s): 1-12** (a minimum of 6 credits required)
- MAT 2021 - Statistics **Credit(s): 3**

Total: 60 credits

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* meet all other Degree Requirements, including the General Education Core Curriculum and NVU Graduation Standards.

Business Administration (B.S.): Sport Management Concentration - L

Minimum required credits for the program: 60-63

NVU Business Administration Core (39 Credits)

- ACC 2121 - Financial Accounting **Credit(s): 4**
- ACC 2122 - Managerial Accounting **Credit(s): 4**
- BUS 1210 - Business Software and Spreadsheets **Credit(s): 3**
- BUS 2015 - Fundamentals of Management in Business **Credit(s): 3**
- BUS 2140 - Personal Finance **Credit(s): 3**
- BUS 2230 - Principles of Marketing **Credit(s): 3**
- BUS 2280 - Introduction to Business Ethics **Credit(s): 3**
- BUS 2410 - Human Resource Management **Credit(s): 3**
- BUS 3131 - Business Law I **Credit(s): 3**
- BUS 3240 - Global Business **Credit(s): 3**
- BUS 4060 - Strategic Management **Credit(s): 3**
- ECO 2060 - Survey of Economics **Credit(s): 4**

Concentration in Sport Management (21 Credits)

- BUS 1350 - Sport & Society, Sport Management Issues and Concepts **Credit(s): 3**
- SPL 2010 - Sport Marketing and Promotions **Credit(s): 3**
- SPL 2030 - Athletic Administration **Credit(s): 3**
- SPL 3030 - Facility Design and Event Management **Credit(s): 3**
- SPL 4810 - Internship in Sport Management **Credit(s): 1-15**
- XSC 2060 - Sport and Exercise Psychology **Credit(s): 3**

Childhood Education (B.A.); with endorsement in Elementary & Special Education - J

The B.A. in Childhood Education at Northern Vermont University-Johnson prepares students to become teachers licensed in both Elementary Education (K-6) and Special Education (K-8). With careful planning, a full-time student can complete the degree and earn both licensure endorsements in just four years. Graduates who successfully complete the degree become candidates for a Level I Professional Educator's License issued by the Vermont Agency of Education. This license is required in order to work as a public school teacher in Vermont; it also is recognized and accepted by more than 40 other states, districts and territories.

Through courses and practicum experiences, students learn the theories, research, standards and practices that provide a solid foundation for educators who are passionate about teaching, inclusive and progressive in their practices, modern and up to date in their techniques, and committed to social equity and the delivery of education to diverse learners. Careful attention is given to the growth of children as individuals whose perceptions, interests, joys, strengths and challenges are formed within a community and through meaningful engagement with others.

Students who intend to teach in grades K-6 must declare Childhood Education as their academic major and apply to NVU-Johnson's **Teacher Education Program in Inclusive Elementary Education** after completing their first education course.

Important: Declaring a major in Childhood Education is not the same as being accepted into this Teacher Education Program; see Applying to a Teacher Education Program at NVU-Johnson below.

Most courses must be taken in a specific order; students should check advisement forms, program evaluations and prerequisites for details. Students must earn a B- or better in all courses with an EDU designator.

Theoretical Framework & Learning Pursuits

Applying to a Teacher Education Program at NVU-Johnson

Advancing through a Teacher Education Program at NVU-Johnson

Required Education Courses (63 credits)

- EDU 2360 - Perspectives on Learning in a Diverse Society **Credit(s): 3**
 - EDU 2365 - The Ecology of Human Experience: Development, Culture & Identity **Credit(s): 3**
 - EDU 2370 - The Contemporary School **Credit(s): 3**
 - EDU 3460 - Literature & Media for Children & Youth **Credit(s): 3**
 - EDU 3265 - Instructional Dynamics for the Elementary Educator - Curriculum, Instruction & Assessment for Integrated, Engaging & Creative Lessons; Part I: Language, Literacy, & Literature for Diverse Learners **Credit(s): 3**
 - EDU 3266 - Instructional Dynamics for the Elementary Educator - Curriculum, Instruction & Assessment for Integrated, Engaging & Creative Lessons; Part II: Numeracy & Quantitative Reasoning for Diverse Learners **Credit(s): 3**
 - EDU 3311 - Foundations of Inclusive Practices **Credit(s): 3**
 - EDU 3440 - Teaching Toward Democracy **Credit(s): 3**
 - EDU 3100 - Literacy Intervention, Assessment & Strategies **Credit(s): 3**
 - EDU 3025 - Evaluating Characteristics of Diverse Learners **Credit(s): 3**
 - EDU 4630 - Integrated Elementary Methods Practicum: Intention, Knowledge & Presence **Credit(s): 6**
 - EDU 3125 - Technology for Integrating Instruction **Credit(s): 3**
 - EDU 4640 - Special Education Practices & Procedures **Credit(s): 6**
 - EDU 4820 - Elementary Student Teaching **Credit(s): 12**
 - EDU 4051 - Strategies to Promote Inclusive Practices **Credit(s): 3**
 - EDU 4650 - Capstone & Thesis Seminar **Credit(s): 3**
- AND
- EDU TEW1 - Teacher Education Workshop 1: Introduction to Teacher Education **Credit(s): 0**
 - EDU TEW2 - Teacher Education Workshop 2: Application for Practicum I **Credit(s): 0**
 - EDU TEW3 - Teacher Education Workshop 3: Application for Practicum II **Credit(s): 0**
 - EDU TEW4 - Teacher Education Workshop 4: Application for student teaching **Credit(s): 0**
 - EDU TEW5 - Teacher Education Workshop 5: Application for a Verification Check **Credit(s): 0**

Required Elementary Education Liberal Arts & Sciences Concentration (30-31 credits)

In addition to the Education courses listed above, all Childhood Education majors must complete the Elementary Education Liberal Arts & Sciences Concentration. This concentration is divided into two areas: Quantitative & Causative Studies (9-10 credits) and Humanities & Cultural Studies (21 credits). Students must earn a cumulative GPA of 3.0 in this concentration to be eligible for a Level 1 Professional Educator's License.

Quantitative & Causative Studies (9-10 credits)

Earth Science (choose 1 course)

- ENV 1050 - Introduction to Earth Science **Credit(s): 4**
- ENV 1040 - Introduction to Oceanography **Credit(s): 3**
- ENV 1090 - Introduction to Weather, Climate & Climate Change **Credit(s): 3**
- PHY 2031 - Fundamental Physics I **Credit(s): 4**

Geometric Design

- MAT 3040 - Geometrical Reasoning **Credit(s): 3**

Engineering Science

- EDU 3445 - Applied Mechanics I **Credit(s): 3**

Humanities & Cultural Studies (21 credits)

U.S. History (choose 1 course)

- HIS 1211 - American History I **Credit(s): 3**
- HIS 1212 - American History II **Credit(s): 3**
- HIS 2210 - Women in U.S. History **Credit(s): 3**
- HIS 3080 - Colonial America: History & Life **Credit(s): 3**
- HIS 3141 - History of the United States in the 20th Century I **Credit(s): 3**
- HIS 3142 - History of the United States in the 20th Century II **Credit(s): 3**

World History (choose 1 course)

- HIS 1111 - World History I **Credit(s): 3**
- HIS 1112 - World History II **Credit(s): 3**

Literature

- ENG 1310 - Introduction to Literature (J) **Credit(s): 3**

Civics (choose 1 course)

- POS 1010 - Introduction to Political Science **Credit(s): 3**
- POS 1020 - American Politics and Government **Credit(s): 3**
- POS 1030 - Comparative Government **Credit(s): 3**

Culture, Geography & Economics

- EDU 3425 - GeoCultural Studies **Credit(s): 3**

Visual Art (choose 1 course)

- ART 1011 - Drawing I (J) **Credit(s): 3**
- ART 2110 - Introduction to Digital Media **Credit(s): 3**
- ART 2211 - Painting I (J) **Credit(s): 3**
- ART 2301 - Photography I (J) **Credit(s): 3**

Performance Art (choose 1 course)

- DAN 1010 - Fundamentals of Dance **Credit(s): 3**
- DAN 2010 - Folk Dance **Credit(s): 3**
- DAN 3010 - The Renaissance Spirit **Credit(s): 3**
- DAN 3180 - Folk Dance II **Credit(s): 3**
- DAN 3210 - The Emperor Ain't Naked: A History of Western European Fashion & Social Dance from the Mid-14th Century to the Early 20th Century **Credit(s): 3**
- MUS 1030 - Music Fundamentals **Credit(s): 3**
- THA 1041 - Introduction to Theater Arts (J) **Credit(s): 3**

Total: 93-94 credits

A Note About General Education Requirements

All undergraduates must complete the NVU General Education Core Curriculum. Students who thoughtfully select courses for the Elementary Education Liberal Arts & Sciences Concentration will be able to meet the "Integrative Perspectives" component of the General Education Curriculum without taking additional courses. In addition, Childhood Education majors are encouraged to take the following courses to meet the "Foundational Skills" component of the General Education Curriculum in order to avoid the need to take additional courses later in their program.

Written Expression (6 credits)

- ENG 1071 - College Writing **Credit(s): 3** * OR
for EDP/DL students: ENG-1061, English Composition* (3 credits; shared course in VSC)
- ENG 1072 - Exposition & Analysis **Credit(s): 3**
**Students who are not required to take ENG 1071 or ENG-1061 due to placement scores may complete the following to meet these requirements:*
Campus-based students may substitute *ENG 3999 - Writing Proficiency Exam* or *ENG 2005 - The Self-Sufficient Writer*; **Distance Learning students** may substitute *EDP-3999, the Challenge Exam*.

Mathematics

- MAT 1080 - Introduction to Quantitative Reasoning **Credit(s): 3**

Natural Science with Lab

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* meet all other Degree Requirements, including the General Education Core Curriculum and NVU Graduation Standards.

Cinema Production (A.A.) - L

Minimum required credits for the program: 30-32

Cinema Production Core Courses (24 cr)

- CIN 1060 - Cinema Production I **Credit(s): 3**
- CIN 2060 - Cinema Production II **Credit(s): 3**
- CIN 2110 - Film Theory and Practice **Credit(s): 4**
- CIN 4060 - Cinema Production Workshop **Credit(s): 3**
- FLM 1055 - Film Analysis and Appreciation **Credit(s): 3**
- FLM 2015 - History of Cinema I **Credit(s): 4**
- FLM 2025 - History of Cinema II **Credit(s): 4**

Cinema Production Choice Courses (6-8 cr)

Choose two courses from below or selected courses with advisor approval:

- ARH 2070 - History of Photography **Credit(s): 3**
- ART 1045 - Visual Narrative **Credit(s): 3**
- ART 1410 - Digital Photography **Credit(s): 3**
- ART 2301 - Photography I (L) **Credit(s): 3**
- ART 3270 - Advanced Photography **Credit(s): 3**
- CIN 3060 - Directing **Credit(s): 3**
Note: CIN 3060 is highly recommended
- DES 2010 - Moving Image Fundamentals **Credit(s): 3**
- FLM 3010 - Auteur Filmmakers Seminar **Credit(s): 4**
- FLM 3320 - Film and Culture Seminar **Credit(s): 3**
- FLM 3610 - Film Studies Seminar **Credit(s): 4**
- JOU 3125 - Post Production I **Credit(s): 3**
- MBI 2160 - Digital Recording Techniques **Credit(s): 3**
- MBI 2170 - Introduction to Audio Engineering **Credit(s): 3**
- MBI 3170 - Recording and Post-Production Techniques **Credit(s): 3**
- PHI 3065 - Philosophy of Film and Television **Credit(s): 3**
- PHI 3140 - Art Theory and Criticism **Credit(s): 3**
- THA 1041 - Introduction to Theatre **Credit(s): 3**
- THA 2080 - Theatre Arts in The Dramatic Format **Credit(s): 3**
- THA 2121 - Acting I (L) **Credit(s): 3**
- THA 3211 - Directing I **Credit(s): 3**

Cinema Production (B.A.) - L

Minimum required credits for the program: 64

Core Courses (55 credits)

- ART 1035 - Visual Arts Seminar **Credit(s): 3**
- ART 1045 - Visual Narrative **Credit(s): 3**
- CIN 1060 - Cinema Production I **Credit(s): 3**
- CIN 2060 - Cinema Production II **Credit(s): 3**
- CIN 2110 - Film Theory and Practice **Credit(s): 4**
- CIN 3060 - Directing **Credit(s): 3**
- CIN 4060 - Cinema Production Workshop **Credit(s): 3**
- CIN 4070 - Cinema Production Seminar **Credit(s): 3**
- CIN 4080 - Advanced Cinema Workshop **Credit(s): 3**
- DES 1020 - Design **Credit(s): 3**
- DES 1025 - Image Manipulation **Credit(s): 3**
- DES 2010 - Moving Image Fundamentals **Credit(s): 3**
- FLM 1055 - Film Analysis and Appreciation **Credit(s): 3**
- FLM 2015 - History of Cinema I **Credit(s): 4**
- FLM 2025 - History of Cinema II **Credit(s): 4**
- JOU 3125 - Post Production I **Credit(s): 3**

Choose One:

- FLM 3010 - Auteur Filmmakers Seminar **Credit(s): 4**
- FLM 3610 - Film Studies Seminar **Credit(s): 4**

Choice Courses (9 credits)

Choose three courses from below or selected courses with advisor approval:

- ARH 2070 - History of Photography **Credit(s): 3**
- ARH 2012 - Survey of Western Art II **Credit(s): 3**
- ART 1410 - Digital Photography **Credit(s): 3**
- ART 2301 - Photography I (L) **Credit(s): 3**
- ART 3270 - Advanced Photography **Credit(s): 3**
- ENG 3110 - Creative Writing Workshop **Credit(s): 3**
- ENG 4080 - Advanced Creative Writing Workshop **Credit(s): 3**
- FLM 3320 - Film and Culture Seminar **Credit(s): 3**
- FLM 4810 - Internship in Film Studies **Credit(s): 2-15**
- JOU 1125 - Television Production and Editing **Credit(s): 3**
- JOU 2135 - Studio Production **Credit(s): 3**
- JOU 4125 - Post Production II **Credit(s): 3**
- MBI 2160 - Digital Recording Techniques **Credit(s): 3**
- MBI 2170 - Introduction to Audio Engineering **Credit(s): 3**
- MBI 3170 - Recording and Post-Production Techniques **Credit(s): 3**
- MBI 3210 - Music Publishing **Credit(s): 3**
- PHI 3065 - Philosophy of Film and Television **Credit(s): 3**
- PHI 3140 - Art Theory and Criticism **Credit(s): 3**

- THA 1040 - Interpreting Contemporary Dramatic Literature **Credit(s): 3**
- THA 1041 - Introduction to Theatre **Credit(s): 3**
- THA 2080 - Theatre Arts in The Dramatic Format **Credit(s): 3**
- THA 2121 - Acting I (L) **Credit(s): 3**
- THA 3211 - Directing I **Credit(s): 3**

Climate Change Science (B.S.) - L

Minimum required credits for the program: 65-67

Requirements for the program:

Core Courses

- ATM 1211 - Survey of Meteorology I **Credit(s): 2**
- ATM 1212 - Survey of Meteorology II **Credit(s): 3**
- ATM 3050 - GIS Applications in Atmospheric Sciences **Credit(s): 3**
- ATM 4030 - Physical Climatology **Credit(s): 3**
- BIO 1211 - Introduction to Biology: Ecology and Evolution **Credit(s): 4**
- BIO 4340 - Environmental Challenges and Ecological Solutions **Credit(s): 4**
- CHE 1031 - General Chemistry I **Credit(s): 4**
- CLM 3061 - Survey of Climate and Statistics I **Credit(s): 2**
- CLM 3062 - Survey of Climate and Statistics II **Credit(s): 3**
- ENV 1080 - Introduction to Environmental Science **Credit(s): 4**
- ENV 2060 - Energy, Environment, and Society **Credit(s): 4**
- GEY 1111 - Introduction to Geology I **Credit(s): 4**
- GEY 3110 - Hydrogeology **Credit(s): 4**
- MAT 1410 - Pre-Calculus **Credit(s): 4**
- PHY 2031 - Fundamental Physics I **Credit(s): 4**
- SCI 4900 - Research in Science **Credit(s): 1 to 4** (Must take a total of 4 credits)

Communications Course

Choose one of the following communications courses:

- COM 2085 - Public Relations, Advertising, and Marketing **Credit(s): 3**
- ENG 1280 - Fundamentals of Public Speaking **Credit(s): 3**
- ENG 3010 - Advanced Composition and Rhetoric **Credit(s): 3**
- JOU 1221 - Interpersonal Communication **Credit(s): 3**
- OEL 1080 - Leadership and Small Group Dynamics **Credit(s): 3**
- OEL 3110 - Public Relations **Credit(s): 3**

Choice Courses

Choose two of the following courses, with at least one course at the 3000 or 4000 level:

- ATM 2210 - Geophysical and Human Interactions **Credit(s): 3**
- ATM 3030 - Atmospheric Thermodynamics **Credit(s): 3**
- ATM 3050 - GIS Applications in Atmospheric Sciences **Credit(s): 3**
- ATM 3170 - Weather Risk Assessment **Credit(s): 3**
- BIO 3280 - Environmental Toxicology **Credit(s): 4**
- BIO 4040 - Ecology **Credit(s): 4**
- BIO 4340 - Environmental Challenges and Ecological Solutions **Credit(s): 4**
- BUS 3240 - Global Business **Credit(s): 3**
- CHE 2020 - Introduction to Environmental Chemistry **Credit(s): 4**
- CHE 3050 - Environmental Chemistry **Credit(s): 4**
- COM 3080 - Strategic Media Communications **Credit(s): 3**
- CRJ 2220 - Environmental Justice **Credit(s): 3**
- ECO 2060 - Survey of Economics **Credit(s): 4**
- GEY 3110 - Hydrogeology **Credit(s): 4**
- GEY 4840 - Geologic Evolution: Grand Canyon to Mt. Whitney -- Intensive **Credit(s): 4**
- PHI 2050 - Nature, Science, and Technology **Credit(s): 3**
- PHY 2025 - Physics for the Environment **Credit(s): 4**
- PHY 2032 - Fundamental Physics II **Credit(s): 4**

Computer Information Systems (B.S.) - L

Minimum required credits required for the program: 56 - 61

In addition to the requirements below, students majoring in Computer Information Systems are required to complete MAT 2021, Statistics, as part of their General Education Core Curriculum Mathematics and Computing in the World (NMCW) requirement.

Core (41 Credits)

- CIS 1050 - Computer Operation Systems and Spreadsheets **Credit(s): 1**
Advised Term 1st Year
- CIS 1060 - Introduction to Databases **Credit(s): 1**
Advised Term 1st Year
- CIS 1090 - Problem Solving with Computers **Credit(s): 3**
Advised Term 1st Year
- CIS 2112 - Computer Hardware & Organization **Credit(s): 3**
Advised Term 2nd or 3rd Year
- CIS 2141 - Programming Internet and Web Applications Part I **Credit(s): 3**
Advised Term 1st or 2nd year
- CIS 2271 - Java Programming **Credit(s): 3**
Advised Term 2nd Year
- CIS 2330 - Database Systems **Credit(s): 3**
Advised Term 2nd Year
- CIS 3025 - Advanced Object Oriented Programming **Credit(s): 3**
Advanced Term 2nd or 3rd Year
- CIS 3110 - Networking **Credit(s): 3**
Advised Term 2nd or 3rd Year
- CIS 3120 - Programming Internet and Web Applications Part II **Credit(s): 3**
Advised Term 2nd or 3rd Year **Credits / Units: 3**

- CIS 3240 - Computer Security **Credit(s): 3**
Advised Term 2nd or 3rd Year
- CIS 4120 - Systems Analysis and Design **Credit(s): 3**
Advised Term 3rd or 4th Year
- CIS 4810 - Internship in Computer Science **Credit(s): 3**
Advised Term 3rd or 4th Year
- MAT 2210 - Sets, Logic, and Proof **Credit(s): 3**
Advised Term 3rd or 4th Year
- CIS 4950 - CIS Capstone **Credit(s): 3**
Advised Term 4th Year

Software Engineering Concentration (15 Credits)

- CIS 3050 - Algorithms and Data Structures **Credit(s): 3**
Advised Term 2nd or 3rd Year
- BUS 2015 - Fundamentals of Management in Business **Credit(s): 3**
Advised Term 2nd Year
- CIS 4520 - Advanced Software Technologies **Credit(s): 3**
Advised Term 4th Year

Electives

Choose at least 3 credits from the following:

- CIS 2060 - Programming with FORTRAN **Credit(s): 3**
Advised Term 2nd or 3rd Year
- CIS 2101 - Introduction to Unix **Credit(s): 1**
Advised Term 3rd or 4th Year
- CIS 2142 - Advanced Visual Basic **Credit(s): 3**
Advised Term 2nd or 3rd Year
- CIS 2279 - Introduction to Perl Programming **Credit(s): 1**
Advised Term 3rd or 4th Year
- CIS 2290 - Introduction to Python **Credit(s): 1**
Advised Term 3rd or 4th Year

Information Technology Concentration (20 Credits)

- CIS 2101 - Introduction to Unix **Credit(s): 1**
Advised Term 2nd or 3rd Year
- CIS 2370 - Help Desk Support **Credit(s): 3**
Advised Term 2nd or 3rd Year
- CIS 2850 - System Administration Essentials **Credit(s): 4**
Advised Term 2nd or 3rd Year
- CIS 3750 - Cloud Computing **Credit(s): 4**
Advised Term 3rd or 4th Year
- CIS 4330 - Advanced Networking **Credit(s): 4**
Advised Term 3rd or 4th Year
- CIS 4350 - Advanced Computer Security **Credit(s): 4**
Advised Term 3rd or 4th Year

Computing (A.S.) - L

Minimum required credits for the program: 25

Requirements for the program

- CIS 1090 - Problem Solving with Computers **Credit(s): 3**
Advised Term 1st Year
- CIS 2141 - Programming Internet and Web Applications Part I **Credit(s): 3**
Advised Term 2nd Year
- CIS 2142 - Advanced Visual Basic **Credit(s): 3**
Advised Term 2nd Year
- CIS 2330 - Database Systems **Credit(s): 3**
Advised Term 1st/2nd Year
- CIS 2271 - Java Programming **Credit(s): 3**
Advised Term 1st Year
- CIS 2990 - Portfolio **Credit(s): 1**
Advised Term 2nd Year
- CIS 3050 - Algorithms and Data Structures **Credit(s): 3**
Advised Term 2nd Year
- CIS 3110 - Networking **Credit(s): 3**
Advised Term 2nd Year
- MAT 2021 - Statistics **Credit(s): 3**
Advised Term 2nd Year

Creative Writing (B.F.A.) - J

In this program, aspiring writers learn the craft of fiction, poetry and prose nonfiction in literature courses and in writing workshops. Small classes and individualized instruction are key features of this student-centered program. A student and professional reading series and internships with the department's nationally recognized literary magazine, *Green Mountains Review*, complement the academic course work.

Learning Outcomes for Creative Writing Majors

The B.F.A. in creative writing will:

1. Enable students to produce their own poetry, fiction and creative nonfiction and to become proficient readers and interpreters of imaginative literature;
2. Enable students to identify the major genres of literature, to recognize the features of each genre and to explore and evaluate different approaches to literary criticism and interpretation;
3. Develop students' abilities to analyze and explicate literary texts so that they can identify themes and ideas as well as recognize how formal literary devices affect meaning; and
4. Develop students' skills in editing and revising so that they will be prepared for graduate school in creative writing and/or for careers in publishing.

Required Courses

Core Courses (9 credits)

- ENG 1310 - Introduction to Literature (J) **Credit(s): 3**
- ENG 2031 - History and Art of Publishing **Credit(s): 3**
- ENG 3032 - Literary Publishing in the 21st Century: Green Mountains Review **Credit(s): 3**

Writing Workshops Part I (3 credits)

- ENG 2101 - Creative Writing **Credit(s): 3**

Writing Workshops Part II (9 credits)

(Complete 9 credits from at least two different genres; students may repeat one genre.)

- ENG 3120 - Poetry Workshop **Credit(s): 3**
- ENG 3130 - Fiction Workshop **Credit(s): 3**
- ENG 3140 - The Creative Essay **Credit(s): 3**

Lower-level Literature Survey Courses (9 credits)

(Take three courses)

- ENG 2171 - World Literature I **Credit(s): 3**
- ENG 2172 - World Literature II **Credit(s): 3**
- ENG 2281 - Survey of English Literature I **Credit(s): 3**
- ENG 2282 - Survey of English Literature II **Credit(s): 3**
- ENG 2321 - Survey of American Literature I **Credit(s): 3**
- ENG 2322 - Survey of American Literature II **Credit(s): 3**
- ENG 2510 - Women & Literature **Credit(s): 3**

Upper-level Literature Survey Courses (9 credits)

(Take three courses)

- ENG 3270 - Myth & Myth Making **Credit(s): 3**
- ENG 3320 - The English Novel **Credit(s): 3**
- ENG 3345 - Contemporary Canadian Literature **Credit(s): 3**
- ENG 3380 - British Romantic Literature **Credit(s): 3**
- ENG 3390 - Literature of the Grotesque **Credit(s): 3**
- ENG 3395 - Satire in Literature **Credit(s): 3**
- ENG 3405 - Literary Journalism **Credit(s): 3**
- ENG 3435 - Practical Grammar **Credit(s): 3**
- ENG 3480 - Modern Literature **Credit(s): 3**
- ENG 3510 - Contemporary Literature **Credit(s): 3**
- ENG 3520 - American Poetry **Credit(s): 3**
- ENG 3525 - Victorian Literature **Credit(s): 3**
- ENG 3530 - The American Novel **Credit(s): 3**

- ENG 3565 - Shakespeare **Credit(s): 3**
- ENG 3580 - African American Literature **Credit(s): 3**
- ENG 3680 - Linguistics & Language History **Credit(s): 3**
- ENG 4510 - Literary Research Tutorial **Credit(s): 3**
- ENG 4720 - Seminar in Literature **Credit(s): 3**

Upper-level Coursework (6 credits)

(Take two courses)

- ENG 4110 - The Form & Theory of Fiction **Credit(s): 3**
- ENG 4120 - The Form & Theory of Poetry **Credit(s): 3**
- ENG 4130 - The Form & Theory of Nonfiction **Credit(s): 3**
- ENG 4150 - Literary Criticism & Theory **Credit(s): 3**

Thesis (3 credits)

- ENG 4920 - Senior Thesis **Credit(s): 3**
(creative project in genre of specialization)

Total: 48 credits

Secondary Teaching License in English

Students pursuing licensure endorsement to teach English in grades 7-12 must successfully complete either the English (B.A.) - J or the Creative Writing (B.F.A.) - J as well as specific teacher-education coursework and requirements. Please refer to the Secondary Teacher License Endorsement - J section for details.

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* meet all other Degree Requirements, including the General Education Core Curriculum and NVU Graduation Standards.

Criminal Justice (A.S.) - L

Minimum credits: 27

Students interested in focusing on restorative justice can take the following 18 credits:

CRJ 2150 - Community and Restorative Justice

CRJ 2030 - Victimology

CRJ 2410 - Race, Class, Gender, and Crime

CRJ 3210 - Punishment and Corrections

CRJ 3310 - Applying Restorative Justice Methods

CRJ 3410 - Peace Making

Note: SSC 1040 is recommended for all first year CRJ students.

Core (12 Credits)

- CRJ 1010 - Introduction to Criminal Justice (L) **Credit(s): 3**
- CRJ 2050 - Criminology **Credit(s): 3**
- CRJ 2170 - Ethics and Professionalism in Criminal Justice **Credit(s): 3**
- CRJ 2510 - Criminal Law **Credit(s): 3**
(or POS 3170)

Criminal Justice System Electives

Choose 6 credits of the following.

- CRJ 2010 - Law Enforcement in America **Credit(s): 3**
- CRJ 2020 - American Judicial Process **Credit(s): 3**
- CRJ 2030 - Victimology **Credit(s): 3**
- CRJ 2150 - Community and Restorative Justice (L) **Credit(s): 3**
- CRJ 3160 - Juvenile Justice **Credit(s): 3**
- CRJ 3210 - Punishment and Corrections **Credit(s): 3**
- CRJ 3220 - International Criminal Justice **Credit(s): 3**

Criminal Justice Issues Electives

Choose 6 credits of the following.

- CRJ 2210 - Death Penalty **Credit(s): 3**
- CRJ 2220 - Environmental Justice **Credit(s): 3**
- CRJ 2410 - Race, Class, Gender, and Crime **Credit(s): 3**
- CRJ 3070 - Media and Crime **Credit(s): 3**
- CRJ 3120 - White-Collar Crime **Credit(s): 3**
- CRJ 3130 - Wrongful Convictions **Credit(s): 3**
- CRJ 3250 - Terrorism **Credit(s): 3**
- CRJ 3410 - Peace Making **Credit(s): 3**
- CRJ 4710 - Special Topics in Criminal Justice **Credit(s): Variable**

Criminal Justice Professional Development Electives

Choose 3 credits of the following.

- CRJ 3085 - Research Design and Analysis **Credit(s): 3**
- CRJ 3145 - Criminal Justice Administration **Credit(s): 3**

- CRJ 3155 - Investigation Sciences **Credit(s): 3**
- CRJ 3165 - GIS Applications in Criminal Justice **Credit(s): 3**
- CRJ 3310 - Applying Restorative Justice Methods **Credit(s): 3**
- CRJ 4810 - Internship in Criminal Justice (L) **Credit(s): 3-6**

Criminal Justice (B.S.): Criminal Justice Concentration - L, O

Minimum required credits for the program: 48-51

Criminal Justice Core (27 Credits)

- SOC 1010 - Introduction to Sociology (L) **Credit(s): 3**
(or PSY 1010)
- CRJ 1010 - Introduction to Criminal Justice (L) **Credit(s): 3**
- CRJ 2050 - Criminology **Credit(s): 3**
- CRJ 2170 - Ethics and Professionalism in Criminal Justice **Credit(s): 3**
- CRJ 2510 - Criminal Law **Credit(s): 3**
(or POS 3170)
- CRJ 3085 - Research Design and Analysis **Credit(s): 3**
- CRJ 4810 - Internship in Criminal Justice (L) **Credit(s): 3-6**
- SSC 4720 - Senior Thesis/Capstone **Credit(s): 3**

Concentration in Criminal Justice (24 Credits)

Criminal Justice System Electives

Choose at least 9 credits of the following, with at least 6 credits at the 3000/4000 level.

- CRJ 2010 - Law Enforcement in America **Credit(s): 3**
- CRJ 2020 - American Judicial Process **Credit(s): 3**
- CRJ 2030 - Victimology **Credit(s): 3**
- CRJ 2150 - Community and Restorative Justice (L) **Credit(s): 3**
- CRJ 3160 - Juvenile Justice **Credit(s): 3**
- CRJ 3210 - Punishment and Corrections **Credit(s): 3**
- CRJ 3220 - International Criminal Justice **Credit(s): 3**

Issues in Criminal Justice Electives

Choose at least 9 credits of the following, with at least 6 credits at the 3000/4000 level.

- CRJ 2210 - Death Penalty **Credit(s): 3**
- CRJ 2220 - Environmental Justice **Credit(s): 3**
- CRJ 2410 - Race, Class, Gender, and Crime **Credit(s): 3**
- CRJ 3070 - Media and Crime **Credit(s): 3**
- CRJ 3120 - White-Collar Crime **Credit(s): 3**
- CRJ 3130 - Wrongful Convictions **Credit(s): 3**

- CRJ 3250 - Terrorism **Credit(s): 3**
- CRJ 3410 - Peace Making **Credit(s): 3**
- CRJ 4710 - Special Topics in Criminal Justice **Credit(s): Variable**

Professional Development in Criminal Justice Electives

Choose 6 credits from the following.

- CRJ 3145 - Criminal Justice Administration **Credit(s): 3**
- CRJ 3155 - Investigation Sciences **Credit(s): 3**
- CRJ 3165 - GIS Applications in Criminal Justice **Credit(s): 3**
- CRJ 3310 - Applying Restorative Justice Methods **Credit(s): 3**

Criminal Justice (B.S.): Restorative Justice Concentration - J (Hybrid)

Minimum required credits for this program: 48-51.

NVU Johnson students will take their CRJ courses via NVU Online offerings. There will not be campus-based CRJ offerings at NVU Johnson.

Criminal Justice Core (27 Credits)

- SOC 1010 - Introduction to Sociology (J) **Credit(s): 3**
(or PSY 1010)
- CRJ 1010 - Introduction to Criminal Justice (J) **Credit(s): 3**
- CRJ 2050 - Criminology **Credit(s): 3**
- CRJ 2170 - Ethics and Professionalism in Criminal Justice **Credit(s): 3**
- CRJ 2510 - Criminal Law **Credit(s): 3**
(or POS 3170)
- CRJ 3085 - Research Design and Analysis **Credit(s): 3**
- CRJ 4810 - Internship in Criminal Justice (J) **Credit(s): 1-12**
- SSC 4720 - Senior Thesis/Capstone **Credit(s): 3**

Concentration in Restorative Justice (24 Credits)

Criminal Justice System Courses

- CRJ 2030 - Victimology **Credit(s): 3**
- CRJ 2150 - Community and Restorative Justice (L) **Credit(s): 3**
- CRJ 3210 - Punishment and Corrections **Credit(s): 3**

Issues in Criminal Justice Courses

- CRJ 2410 - Race, Class, Gender, and Crime **Credit(s): 3**
- CRJ 3410 - Peace Making **Credit(s): 3**
Take one of the following:
- CRJ 2210 - Death Penalty **Credit(s): 3**
- CRJ 2220 - Environmental Justice **Credit(s): 3**
- CRJ 3070 - Media and Crime **Credit(s): 3**
- CRJ 3120 - White-Collar Crime **Credit(s): 3**
- CRJ 3130 - Wrongful Convictions **Credit(s): 3**
- CRJ 3250 - Terrorism **Credit(s): 3**
- CRJ 4710 - Special Topics in Criminal Justice **Credit(s): Variable**

Professional Development in Criminal Justice Courses

- CRJ 3310 - Applying Restorative Justice Methods **Credit(s): 3**
Take one of the following:
- CRJ 3145 - Criminal Justice Administration **Credit(s): 3**
- CRJ 3155 - Investigation Sciences **Credit(s): 3**
- CRJ 3165 - GIS Applications in Criminal Justice **Credit(s): 3**

Criminal Justice (B.S.): Restorative Justice Concentration - L

Minimum required credits for this program: 48-51

Criminal Justice Core (27 Credits)

- SOC 1010 - Introduction to Sociology (L) **Credit(s): 3**
(or PSY 1010)
- CRJ 1010 - Introduction to Criminal Justice (L) **Credit(s): 3**
- CRJ 2050 - Criminology **Credit(s): 3**
- CRJ 2170 - Ethics and Professionalism in Criminal Justice **Credit(s): 3**
- CRJ 2510 - Criminal Law **Credit(s): 3**
(or POS 3170)
- CRJ 3085 - Research Design and Analysis **Credit(s): 3**
- CRJ 4810 - Internship in Criminal Justice (L) **Credit(s): 3-6**
- SSC 4720 - Senior Thesis/Capstone **Credit(s): 3**

Concentration in Restorative Justice (24 Credits)

Criminal Justice System Courses

- CRJ 2030 - Victimology **Credit(s): 3**
- CRJ 2150 - Community and Restorative Justice (L) **Credit(s): 3**
- CRJ 3210 - Punishment and Corrections **Credit(s): 3**

Issues in Criminal Justice Courses

- CRJ 2410 - Race, Class, Gender, and Crime **Credit(s): 3**
- CRJ 3410 - Peace Making **Credit(s): 3**

Take one of the following:

- CRJ 2210 - Death Penalty **Credit(s): 3**
- CRJ 2220 - Environmental Justice **Credit(s): 3**
- CRJ 3070 - Media and Crime **Credit(s): 3**
- CRJ 3120 - White-Collar Crime **Credit(s): 3**
- CRJ 3130 - Wrongful Convictions **Credit(s): 3**
- CRJ 3250 - Terrorism **Credit(s): 3**
- CRJ 4710 - Special Topics in Criminal Justice **Credit(s): Variable**

Professional Development in Criminal Justice Courses

- CRJ 3310 - Applying Restorative Justice Methods **Credit(s): 3**

Take one of the following:

- CRJ 3145 - Criminal Justice Administration **Credit(s): 3**
- CRJ 3155 - Investigation Sciences **Credit(s): 3**
- CRJ 3165 - GIS Applications in Criminal Justice **Credit(s): 3**

Data Science (B.S.) - J, L

Data Science is an emerging field which uses statistical computation to make data-based decisions, inferences, and predictions. The Data Science skill set is highly sought after in the labor market.

This program takes an interdisciplinary approach to Data Science, drawing on the liberal arts tradition of the Johnson Campus and the technical focus of the Lyndon Campus, to produce graduates who are skilled consumers, creators, and communicators of data and statistical analyses. Foundational technical skills are developed in a sequence of existing courses in the Mathematics and Computer Science Department, career skills are honed by selecting electives from existing courses in the Business or Behavioral Sciences Department, liberal arts skills are acquired through the existing NVU General Education Core Curriculum, and data science-specific skills are developed through targeted coursework.

Student Learning Outcomes

Graduates of the Data Science program will be:

- proficient consumers, creators and communicators of data, including the ability to summarize and visualize data for both technical and general audiences.
- proficient in a computer programming language with extensibility.
- able to apply foundational mathematics and computer science knowledge to problems in data science.
- able to acquire, store and manage data in a variety of formats, and scale.

Bachelor of Science in Data Science (48-50 Credits)

Data Science Course Requirements

- BUS 1210 - Business Software and Spreadsheets **Credit(s): 3**
- CIS 2271 - Java Programming **Credit(s): 3**

- CIS 2330 - Database Systems **Credit(s): 3**
- CIS 3025 - Advanced Object Oriented Programming **Credit(s): 3**
- CIS 3050 - Algorithms and Data Structures **Credit(s): 3**
- CIS 3430 - Data Science I **Credit(s): 4**
- CIS 3440 - Data Science II **Credit(s): 4**
- MAT 1095 - FYS: The Visual Display of Quantitative Information **Credit(s): 3**
- MAT 1531 - Calculus I **Credit(s): 4**
- MAT 2021 - Statistics **Credit(s): 3**
- MAT 3210 - Linear Algebra **Credit(s): 3**
- MAT 3135 - Statistical Computing in R **Credit(s): 3**
- MAT 4930 - Senior Project in Mathematics **Credit(s): 3**

Electives (6-8 Credits)

- ACC 2121 - Financial Accounting **Credit(s): 4**
- BUS 2010 - Project Management **Credit(s): 3**
- BUS 2230 - Principles of Marketing **Credit(s): 3**
- BUS 4030 - Marketing Research **Credit(s): 3**
- CRJ 3085 - Research Design and Analysis **Credit(s): 3**
OR ANT 3120 Science, Research Methods & Ethics,
OR POS 3025 Research Design & Analysis
- MAT 2532 - Calculus II **Credit(s): 4**
OR MAT 2543 Calculus III
- MAT 3240 - Probability Theory with Statistics **Credit(s): 3**

Digital Communications, PR & Marketing (A.S.) - L

Minimum required credits for the program: 28

Requirements for the program

- BUS 2230 - Principles of Marketing **Credit(s): 3**
- BUS 3272 - Social-Media Marketing **Credit(s): 3**
- COM 2085 - Public Relations, Advertising, and Marketing **Credit(s): 3**
- COM 3080 - Strategic Media Communications **Credit(s): 3**
- DES 2030 - Fundamentals of Web Design **Credit(s): 3**
- JOU 1010 - Introduction to Media Communication **Credit(s): 3**
- JOU 2040 - Journalistic Writing **Credit(s): 3**
- JOU 2125 - Advanced Field Production and Digital Editing **Credit(s): 4**
- JOU 3850 - Social Media in the Media **Credit(s): 3**

Digital Communications, PR & Marketing (B.S.) - L

Minimum required credits for the program: 49

Requirements for the program

- BUS 2230 - Principles of Marketing **Credit(s): 3**
- BUS 2280 - Introduction to Business Ethics **Credit(s): 3**
- BUS 3272 - Social-Media Marketing **Credit(s): 3**
- BUS 4030 - Marketing Research **Credit(s): 3**
- COM 2085 - Public Relations, Advertising, and Marketing **Credit(s): 3**
- COM 3080 - Strategic Media Communications **Credit(s): 3**
- DES 2010 - Moving Image Fundamentals **Credit(s): 3**
- DES 2030 - Fundamentals of Web Design **Credit(s): 3**
- ENG 2155 - Multimedia Storytelling **Credit(s): 3**
- JOU 1010 - Introduction to Media Communication **Credit(s): 3**
- JOU 2040 - Journalistic Writing **Credit(s): 3**
- JOU 2125 - Advanced Field Production and Digital Editing **Credit(s): 4**
- JOU 3030 - Media Law and Regulations **Credit(s): 3**
- JOU 3125 - Post Production I **Credit(s): 3**
- JOU 3850 - Social Media in the Media **Credit(s): 3**

Take one of the following:

- COM 4810 - Sr. Internship in Digital Communications **Credit(s): 3**
- COM 4815 - Digital Communications Practicum **Credit(s): 3**

Early Childhood Education (B.S.) - L

Requirements for the program

Students completing this major would be eligible for licensure in early childhood education (Birth - Age 5) in VT.

Major Requirements: 89 Credits

Liberal Studies (35 Credits)

Take at least 35 credits from at least five of the following disciplines (9 of which must be at the 3000/4000 level): ANT, ARH, ART, ATM, BIO, CHE, CIS, ECO, ENG, ENV, FLM, GEO, GEY, HIS, HUM, MAT, MUS, PHI, PHY, POS, PSY, SCI, SOC, or THA.

Early Childhood Education (54 Credits)

- EDU 1030 - Introduction to Early Childhood Education **Credit(s): 3**
- ECE 3820 - Infant and Toddler Techniques **Credit(s): 3**
- ECE 3830 - Early Childhood Techniques **Credit(s): 3**
- ECE 3840 - Advanced Early Childhood Development **Credit(s): 3**
- ECE 3850 - Managing an ECE Classroom **Credit(s): 3**
- ECE 3860 - Ethical Considerations for Early Childhood Educators **Credit(s): 3**
- ECE 3870 - Inclusive Teaching for Early Educators **Credit(s): 3**
- ECE 3920 - Educational Theory for Teachers of Young Children **Credit(s): 3**
- ECE 3940 - Developmentally Appropriate Programming: Infants & Toddlers **Credit(s): 3**

- ECE 3950 - Developmentally Appropriate Programming: Preschool **Credit(s): 3**
- ECE 4020 - Authentic Assessment of Young Children **Credit(s): 3**
- ECE 4040 - Using Inquiry for Math and Science with Young Children **Credit(s): 3**
- ECE 4080 - Language & Literacy in Early Childhood Classrooms **Credit(s): 3**
- EDU 4250 - e-Portfolio Development **Credit(s): 1**
- EDU 4730 - Student Teaching Seminar **Credit(s): 2**
- ECE 4811 - Teaching Early Childhood Education **Credit(s): 12**

English (B.A.) - J

Students in this program explore literature and language from critical, aesthetic, historical, linguistic and national perspectives. Opportunities to study creative writing and journalism are also components of the program.

Learning Outcomes for English Majors

The B.A. in English will:

1. Enable students to identify the major genres of literature, to recognize the features of each genre and to explore and evaluate different approaches to literary criticism and interpretation.
2. Introduce students to English, American and world literary traditions so that they will learn how literature both reflects and shapes intellectual, aesthetic and cultural life.
3. Develop students' abilities to analyze and explicate literary texts so that they can identify themes and ideas and learn how formal literary devices affect meaning.
4. Prepare students for graduate study, for teaching secondary school English and for careers in the private sector or in government that require critical thinking and reading skills as well as skills in research and discourse analysis.

Required Courses

Introductory Core Courses (3 credits)

- ENG 1310 - Introduction to Literature (J) **Credit(s): 3**

Introductory Survey Courses (9 credits)

(Choose three courses)

- ENG 2171 - World Literature I **Credit(s): 3**
- ENG 2172 - World Literature II **Credit(s): 3**
- ENG 2281 - Survey of English Literature I **Credit(s): 3**
- ENG 2282 - Survey of English Literature II **Credit(s): 3**
- ENG 2321 - Survey of American Literature I **Credit(s): 3**
- ENG 2322 - Survey of American Literature II **Credit(s): 3**
- ENG 2510 - Women & Literature **Credit(s): 3**

Writing Courses (6 credits)

(Choose two courses)

- ENG 2051 - Introduction to Journalism **Credit(s): 3**
- ENG 2052 - News Publishing **Credit(s): 3**
- ENG 2101 - Creative Writing **Credit(s): 3**
- ENG 3020 - Feature Writing **Credit(s): 3**
- ENG 3022 - Advanced News Publishing **Credit(s): 3**
- ENG 3120 - Poetry Workshop **Credit(s): 3**
- ENG 3130 - Fiction Workshop **Credit(s): 3**
- ENG 3140 - The Creative Essay **Credit(s): 3**

Upper-level Specialty Courses in Literature, Language and Criticism (9 credits)

- ENG 3565 - Shakespeare **Credit(s): 3**
- ENG 4150 - Literary Criticism & Theory **Credit(s): 3**
- ENG 4510 - Literary Research Tutorial **Credit(s): 3**

Additional Upper-level Specialty Courses in Literature, Language & Criticism (12 credits)

(Choose four courses)

- ENG 3270 - Myth & Myth Making **Credit(s): 3**
- ENG 3320 - The English Novel **Credit(s): 3**
- ENG 3345 - Contemporary Canadian Literature **Credit(s): 3**
- ENG 3380 - British Romantic Literature **Credit(s): 3**
- ENG 3390 - Literature of the Grotesque **Credit(s): 3**
- ENG 3395 - Satire in Literature **Credit(s): 3**
- ENG 3435 - Practical Grammar **Credit(s): 3**
- ENG 3480 - Modern Literature **Credit(s): 3**
- ENG 3510 - Contemporary Literature **Credit(s): 3**
- ENG 3520 - American Poetry **Credit(s): 3**
- ENG 3525 - Victorian Literature **Credit(s): 3**
- ENG 3530 - The American Novel **Credit(s): 3**
- ENG 3580 - African American Literature **Credit(s): 3**
- ENG 3680 - Linguistics & Language History **Credit(s): 3**
- ENG 4720 - Seminar in Literature **Credit(s): 3**

Optional Thesis (3 credits)

- ENG 4920 - Senior Thesis **Credit(s): 3**

Total: 39 credits (42 with thesis)

Secondary Teaching License in English

Students pursuing licensure endorsement to teach English in grades 7-12 must successfully complete either the English (B.A.) - J or the Creative Writing (B.F.A.) - J as well as specific teacher-education coursework and requirements. Please refer to the Secondary Teacher License Endorsement - J section for details.

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* meet all other Degree Requirements, including the General Education Core Curriculum and NVU Graduation Standards.

English (B.A.) - L

Minimum required credits for the program: 42-47

Requirements for the program (Core, and either the Writing Concentration, or Literature and Film Studies Concentration)

Required Core: (15 Credits)

- ENG 2130 - Introduction to Writing Poetry **Credit(s): 3**
Advised Term 2nd or 3rd Year
or
- ENG 2140 - Introduction to Writing Fiction **Credit(s): 3**
Advised Term 2nd or 3rd Year
- ENG 2250 - Critical Approaches **Credit(s): 3**
Advised Term 2nd or 3rd Year
- FLM 1055 - Film Analysis and Appreciation **Credit(s): 3**
Advised Term 1st Year
- PHI 1060 - Logic and Creative Thinking **Credit(s): 3**
Advised Term 1st Year

Take 3 credits from one of the following:

- EDU 4020 - Methods of Teaching Secondary English **Credit(s): 3**
- ENG 4810 - Internship in English (L) **Credit(s): 2-15**
(only 3 credits may be counted toward English program requirements)
- FLM 4810 - Internship in Film Studies **Credit(s): 2-15**
(only 3 credits may be counted toward English program requirements)

Core Choice: (12-14 Credits)

Choose four courses, with at least 6 ENG credits, from:

- ENG 2155 - Multimedia Storytelling **Credit(s): 3**
Advised Term 2nd or 3rd Year
- ENG 2290 - Introduction to British Literature **Credit(s): 3**
Advised Term 2nd or 3rd Year
- ENG 2325 - Introduction to American Literature **Credit(s): 3**
Advised Term 2nd or 3rd Year

- ENG 2390 - Introduction to World Literature **Credit(s): 3**
Advised Term 2nd or 3rd Year
- ENG 2535 - Genre Survey **Credit(s): 3**
Advised Term 2nd or 3rd Year
- ENG 2545 - Literature and Culture Survey **Credit(s): 3**
Advised Term 2nd or 3rd Year
- ENG 2815 - On-Site Experience **Credit(s): 1-3** (*Only 3 credits may count toward English program requirements.*)
Advised Term 2nd or 3rd Year
- ENG 3010 - Advanced Composition and Rhetoric **Credit(s): 3**
Advised Term 3rd Year
- FLM 2015 - History of Cinema I **Credit(s): 4**
Advised Term 2nd or 3rd Year
- FLM 2025 - History of Cinema II **Credit(s): 4**
Advised Term 2nd or 3rd Year
- PHI 2090 - Popular Culture and Philosophy **Credit(s): 3**
Advised Term 2nd or 3rd Year

Selected courses at the 1000 or 2000 level with approval of advisor.

Writing Concentration (15 Credits)

- ENG 4910 - Senior Portfolio **Credit(s): 3**
- Choose four courses (12 credits) from:**
- COM 2085 - Public Relations, Advertising, and Marketing **Credit(s): 3**
 - ENG 2540 - Global English: Forms, Roles & Issues **Credit(s): 3**
 - COM 3080 - Strategic Media Communications **Credit(s): 3**
 - ENG 3110 - Creative Writing Workshop **Credit(s): 3**
 - ENG 3155 - Creative Writing: Form & Theory **Credit(s): 3**
Note: ENG 3155 may be used twice to satisfy program requirements.
 - ENG 4080 - Advanced Creative Writing Workshop **Credit(s): 3**
 - ENG 4250 - Advanced Critical Approaches **Credit(s): 3**
 - OEL 3110 - Public Relations **Credit(s): 3**
- Selected courses at the 3000 or 4000 level with approval of advisor.**

Literature and Film Studies Concentration (15-18 Credits)

- ENG 4950 - Senior Capstone **Credit(s): 3**
- Choose four courses (12-15 credits) from:**
- ENG 2540 - Global English: Forms, Roles & Issues **Credit(s): 3**
 - FLM 3010 - Auteur Filmmakers Seminar **Credit(s): 4**
 - ENG 3025 - Media and Society **Credit(s): 3**
 - ENG 3385 - Genre Seminar **Credit(s): 3**
Note: ENG 3385 may be used twice to satisfy program requirements.
 - ENG 3545 - Literature and Culture Seminar **Credit(s): 3**
Note: ENG 3545 may be used twice to satisfy program requirements.
 - ENG 4250 - Advanced Critical Approaches **Credit(s): 3**
 - ENG 4750 - Senior Seminar **Credit(s): 3**

- FLM 3320 - Film and Culture Seminar **Credit(s): 3**
- FLM 3610 - Film Studies Seminar **Credit(s): 4**
- FLM 4010 - Theory of Cinema **Credit(s): 4**
- PHI 2050 - Nature, Science, and Technology **Credit(s): 3**
- PHI 3065 - Philosophy of Film and Television **Credit(s): 3**
- PHI 3140 - Art Theory and Criticism **Credit(s): 3**

Selected courses at the 3000 or 4000 level with approval of advisor.

Environmental Science (B.S.) - L

Minimum required credits for the program: 68

Requirements for the program

In addition to the following, students majoring in Environmental Science are required to complete MAT 1020 and MAT 2021 for their Mathematics General Education requirement.

Core: (52-53 Credits)

- SCI 1000 - First-Year Seminar in Science and Sustainability **Credit(s): 1**
 - BIO 1211 - Introduction to Biology: Ecology and Evolution **Credit(s): 4**
 - BIO 1212 - Introduction to Biology: Cells and Genetic Basis **Credit(s): 4**
 - BIO 3280 - Environmental Toxicology **Credit(s): 4**
 - BIO 4040 - Ecology **Credit(s): 4**
 - CHE 1031 - General Chemistry I **Credit(s): 4**
 - CHE 1032 - General Chemistry II **Credit(s): 4**
 - ENV 1080 - Introduction to Environmental Science **Credit(s): 4**
 - ENV 3070 - Environmental Site Assessment **Credit(s): 2**
 - GEY 1111 - Introduction to Geology I **Credit(s): 4**
 - GEY 2112 - Introduction to Geology II **Credit(s): 4**
 - GEY 3110 - Hydrogeology **Credit(s): 4**
 - PHY 2031 - Fundamental Physics I **Credit(s): 4**
 - PHY 2032 - Fundamental Physics II **Credit(s): 4**
 - SCI 4610 - Senior Seminar **Credit(s): 1**
-
- SCI 4810 - Internship in Environmental Science **Credit(s): 3 to 4**
OR
 - SCI 4900 - Research in Science **Credit(s): 1 to 4**
Students must complete at least 4 credits of SCI 4900, preferably over at least two terms.

Electives: (16 credits)

Choose from among any 3000/4000 level science courses. Exceptions allowing up to 4 credits from 1000/2000 level science courses, or non-science courses, to be counted for program credit will be made on a case-by-case basis.

Environmental Science (B.S.): Environmental Analysis & Assessment concentration - J

This research-based concentration of the B.S. in Environmental Science focuses more heavily on laboratory and field courses and prepares students for more technically orientated positions in the environmental field and for graduate programs in the sciences. Students conduct research in the field and in the laboratory and have the opportunity to present with faculty mentors at science events and professional conferences. **Students graduate with a B.S. in Environmental Science with a concentration in Environmental Analysis & Assessment.**

Learning Outcomes

The B.S. in Environmental Science concentrating in Environmental Analysis & Assessment seeks to produce graduates who can:

- Critically read, evaluate and synthesize information from relevant geological, biological and chemical literature related to environmental problems.
- Work individually and with others, to identify and evaluate environmental problems.
- Apply appropriate tools, analytical equipment and concepts from mathematics, physics, chemistry, geology and biology, including the use of computer software, to evaluate environmental problems.
- Observe and measure in the field and laboratory, the organic, inorganic and physical aspects of environmental problems while applying the methods of science.
- Design a research project to test hypotheses and draw conclusions based on knowledge of the science.
- Articulate, in oral, written and graphical form, assessments of environmental problems.

Environmental Science Programs at NVU-Johnson

Environmental science is an interdisciplinary field that provides an integrative and quantitative approach to the exploration of the biological, physical and societal aspects that govern the natural environment. The science faculty conduct research and provide instruction in ecology, meteorology, biology, chemistry, physics and geoscience. Lectures, laboratory work, fieldwork, internships and faculty-mentored student research prepare students for careers in private businesses, nonprofit organizations and government as well as graduate study. The fundamentals of science frame discussions of public policy and social action. All students are strongly encouraged to complete an internship in their area of interest. Graduates who successfully complete the required education courses for secondary licensure in addition to degree requirements become candidates for a license to teach science in grades 7-12.

Students in this major must complete the Environmental Sciences Core Curriculum as well as the requirements for one of the two concentrations: Environmental Analysis & Assessment or Environmental Policy & Advocacy.

Environmental Science Core Courses (NVU-J) (29 credits)

- BIO 1211 - Introduction to Biology: Ecology and Evolution **Credit(s): 4**
- BIO 1212 - Introduction to Biology: Cells and Genetic Basis **Credit(s): 4**
- BIO 2340 - Fundamentals of Ecology **Credit(s): 4**
- CHE 1031 - General Chemistry I **Credit(s): 4**
- CHE 1032 - General Chemistry II **Credit(s): 4**
- ENV 1050 - Introduction to Earth Science **Credit(s): 4**
- ENV 1110 - Introduction to Environmental Problems **Credit(s): 3**

- ENV 2210 - Current Topics in Science **Credit(s): 1** (1 of 2)
- ENV 2210 - Current Topics in Science **Credit(s): 1** (2 of 2)

Environmental Analysis & Assessment Concentration

Required Concentration Courses (15 credits)

- ENV 3310 - Applications in GIS **Credit(s): 4**
- ENV 4720 - Senior Thesis **Credit(s): 3 OR**
- ENV 4810 - Internship in Environmental Science **Credit(s): 1-12** (Credit(s): 3)
- GEY 3120 - Field Geology **Credit(s): 4**
- PHY 2031 - Fundamental Physics I **Credit(s): 4**

Electives (choose 3 of the following):

- BIO 3280 - Environmental Toxicology **Credit(s): 4**
- CHE 3111 - Organic Chemistry I **Credit(s): 4**
- CHE 3112 - Organic Chemistry II **Credit(s): 4**
- ENV 2910 - Independent Study in Environmental Science **Credit(s): 1-12** (Credit(s): 3) **OR**
- ENV 4910 - Independent Study in Environmental Science **Credit(s): 1-12**
- ENV 3130 - Environmental Geology **Credit(s): 4**
- ENV 3240 - Fundamentals of Soil Science **Credit(s): 4**
- ENV 3250 - Meteorology & Climatology **Credit(s): 4**
- ENV 3260 - Global Climate Change **Credit(s): 3**
- ENV 3400 - Advanced GIS: Spatial Modeling **Credit(s): 4**
- GEY 3110 - Hydrogeology **Credit(s): 4**
- PHY 2032 - Fundamental Physics II **Credit(s): 4**

Total: 54-56 credits

Secondary Teaching License in Science

Students pursuing licensure endorsement to teach science in grades 7-12 must successfully complete one of the approved majors for this endorsement (the Biology: Field Naturalist (B.A.) - J, Biology (B.S.): Pre-Medical concentration - J, Health Sciences (B.S.): Health & Wellness Coaching Concentration - J, Environmental Science (B.S.): Environmental Analysis & Assessment concentration - J, or Environmental Science (B.S.): Environmental Policy & Advocacy concentration - J), as well as specific teacher-education coursework and requirements. Please refer to the Secondary Teacher License Endorsement - J section for details.

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* meet all other Degree Requirements, including the General Education Core Curriculum and NVU Graduation Standards.

Environmental Science (B.S.): Environmental Policy & Advocacy concentration - J

The Environmental Policy & Advocacy concentration of the B.S. in Environmental Science is designed to create tomorrow's leaders in the development of public policy and the management of natural resources. Through coursework, research and a recommended internship, students develop analytical skills and explore current topics in energy, ecology, climatology, water resources and more. **Students graduate with a B.S. in Environmental Science with a concentration in Environmental Policy & Advocacy.**

Learning Outcomes

The B.S. in Environmental Science concentrating in Environmental Analysis & Assessment seeks to produce graduates who can:

- Critically read, evaluate and synthesize information from relevant geological, biological and chemical literature related to environmental problems.
- Work individually and with others, to identify and evaluate environmental problems.
- Apply appropriate tools, analytical equipment and concepts from mathematics, physics, chemistry, geology and biology, including the use of computer software, to evaluate environmental problems.
- Observe and measure, in the field and laboratory, the organic, inorganic and physical aspects of environmental problems while applying the methods of science.
- Design a research project to test hypotheses and draw conclusions based on science knowledge.
- Articulate in oral, written and graphical form assessments of environmental problems.

Environmental Science Programs at NVU-Johnson

Environmental science is an interdisciplinary field that provides an integrative and quantitative approach to the exploration of the biological, physical and societal aspects that govern the natural environment. The science faculty conduct research and provide instruction in ecology, meteorology, biology, chemistry, physics and geoscience. Lectures, laboratory work, fieldwork, internships and faculty-mentored student research prepare students for careers in private businesses, nonprofit organizations and government as well as graduate study. The fundamentals of science frame discussions of public policy and social action. All students are strongly encouraged to complete an internship in their area of interest. Graduates who successfully complete the required education courses for secondary licensure in addition to degree requirements become candidates for a license to teach science in grades 7-12.

Students in this major must complete the Environmental Sciences Core Curriculum as well as the requirements for one of the two concentrations: Environmental Analysis & Assessment or Environmental Policy & Advocacy.

Environmental Science Core Courses (NVU-J) (29 credits)

- BIO 1211 - Introduction to Biology: Ecology and Evolution **Credit(s): 4**
- BIO 1212 - Introduction to Biology: Cells and Genetic Basis **Credit(s): 4**
- BIO 2340 - Fundamentals of Ecology **Credit(s): 4**
- CHE 1031 - General Chemistry I **Credit(s): 4**
- CHE 1032 - General Chemistry II **Credit(s): 4**
- ENV 1050 - Introduction to Earth Science **Credit(s): 4**
- ENV 1110 - Introduction to Environmental Problems **Credit(s): 3**
- ENV 2210 - Current Topics in Science **Credit(s): 1 (1 of 2)**

- ENV 2210 - Current Topics in Science **Credit(s): 1 (2 of 2)**

Environmental Policy & Advocacy Concentration

Required Concentration Courses (23 credits)

- ECO 2060 - Survey of Economics **Credit(s): 4**
- ENV 3030 - Water Resources **Credit(s): 3**
- ENV 3040 - Energy & Mineral Resources **Credit(s): 3**
- ENV 3250 - Meteorology & Climatology **Credit(s): 4**
- ENV 4730 - Senior Seminar **Credit(s): 3 OR**
- ENV 4720 - Senior Thesis **Credit(s): 3**
- POS 1020 - American Politics and Government **Credit(s): 3 OR**
- POS 1010 - Introduction to Political Science **Credit(s): 3**
- POS 3050 - Environmental Ethics & Politics **Credit(s): 3**

Electives (6-8 credits):

(Choose two courses)

- ENV 2910 - Independent Study in Environmental Science **Credit(s): 1-12 (Credit(s): 3) OR**
- ENV 4910 - Independent Study in Environmental Science **Credit(s): 1-12 (Credit(s): 3)**
- ENV 3010 - Land Use Planning **Credit(s): 3**
- ENV 3020 - Environmental Law **Credit(s): 3**
- ENV 3130 - Environmental Geology **Credit(s): 4**
- ENV 3150 - Toxic & Solid Waste Management **Credit(s): 3**
- ENV 3230 - National Parks & Wilderness Management **Credit(s): 3**
- ENV 3260 - Global Climate Change **Credit(s): 3**
- ENV 3310 - Applications in GIS **Credit(s): 4**
- ENV 3400 - Advanced GIS: Spatial Modeling **Credit(s): 4**
- ENV 4810 - Internship in Environmental Science **Credit(s): 1-12 (Credit(s): 3)**
- GEY 3120 - Field Geology **Credit(s): 4**

Total: 58-60 credits

Secondary Teaching License in Science

Students pursuing licensure endorsement to teach science in grades 7-12 must successfully complete one of the approved majors for this endorsement (the Biology: Field Naturalist (B.A.) - J, Biology (B.S.): Pre-Medical concentration - J, Health Sciences (B.S.): Health & Wellness Coaching Concentration - J, Environmental Science (B.S.): Environmental Analysis & Assessment concentration - J, or Environmental Science (B.S.): Environmental Policy & Advocacy concentration - J), as well as specific teacher-education coursework and requirements. Please refer to the Secondary Teacher License Endorsement - J section for details.

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* meet all other Degree Requirements, including the General Education Core Curriculum and NVU Graduation Standards.

Exercise Science (B.S.) - L

Minimum required credits for the program: 64-70

Requirements for program (Core plus a Concentration)

Core: (41 credits)

Students majoring in Exercise Science are required to take MAT 1020 and MAT 2021 for the Mathematics and Computing in the World (NMCW) GECC requirement, and BIO 1212 (preferred) or BIO 1210 for the Natural & Physical Worlds (NNPW) GECC requirement. **All students in the B.S. in Exercise Science program must receive a grade of C- or higher in all program required courses to count toward the programmatic degree.**

- XSC 1090 - Introduction to Exercise Science **Credit(s): 3**
Advised Term 1st Year
- XSC 1255 - Fitness for Health and Performance **Credit(s): 3**
Advised Term 1st Year
- XSC 2050 - Human Gross Anatomy **Credit(s): 4**
Advised Term 2nd Year
- XSC 2055 - Human Physiology **Credit(s): 4**
Advised Term 2nd Year
- XSC 2111 - Care and Prevention of Injuries **Credit(s): 3**
Advised Term 2nd Year
- XSC 3120 - Kinesiology **Credit(s): 3**
Advised Term 3rd Year
- XSC 3150 - Physiology of Exercise **Credit(s): 4**
Advised Term 3rd Year
- XSC 4010 - Motor Learning and Control **Credit(s): 3**
Advised Term 3rd/4th Year
- XSC 4071 - Assessment of Exercise Science **Credit(s): 3**
Advised Term 3rd/4th Year
- XSC 4072 - Research Methods in Exercise Science **Credit(s): 3**
Advised Term 3rd/4th Year
- CHE 1031 - General Chemistry I **Credit(s): 4**
Advised Term 1st/2nd Year
- PHY 2031 - Fundamental Physics I **Credit(s): 4**
Advised Term 1st/2nd Year

Health Fitness - Strength and Conditioning Concentration: (28-29 credits)

Only 3 credits of XSC 4810 or XSC 4820 may be used to fulfill this concentration. XSC 4130 must be taken twice for a total of 4 credits.

- XSC 2060 - Sport and Exercise Psychology **Credit(s): 3**

- Advised Term 2nd Year
- XSC 3080 - Fundamentals of Personal Training **Credit(s): 3**
Advised Term 3rd Year
- XSC 3810 - Practicum in Exercise Science **Credit(s): 2 to 6**
Advised Term 3rd Year
- XSC 4080 - Fundamentals of Strength and Conditioning **Credit(s): 4**
Advised Term 4th Year
- XSC 4090 - Exercise Testing and Prescription **Credit(s): 4**
Advised Term 4th Year
- XSC 4130 - Practical Applications in Exercise Science **Credit(s): 2 (Must take twice for total of 4 credits.)**
Advised Term 4th Year
- XSC 4150 - Clinical Exercise Prescription **Credit(s): 3**
Advised Term 4th Year
- BIO 2060 - Nutrition for Health and Fitness **Credit(s): 3**
Advised Term 2nd Year

- XSC 4810 - Internship In Exercise Science **Credit(s): 3 to 12**
OR
- XSC 4820 - Advanced Practicum in Exercise Science **Credit(s): 2 to 6**
Advised Term 4th Year

Pre-Professional Athletic Training Concentration: (23 credits)

Exercise Science students in the Pre-Professional Athletic Training concentration are required to take PSY 1010 for their Being in the World: Society & Behavior (NBEW) GECC requirement.

Only 3 credits of XSC 4810 may be used to fulfill this concentration.

- XSC 2060 - Sport and Exercise Psychology **Credit(s): 3**
Advised Term 2nd Year
- XSC 2121 - Taping and Wrapping **Credit(s): 2**
Advised Term 2nd Year
- XSC 3010 - Foundations of Orthopedic Evaluation **Credit(s): 4**
Advised Term 3rd Year
- XSC 3015 - Advanced Seminar in Exercise Science **Credit(s): 1**
Advised Term 3rd Year
- XSC 3020 - Foundations of Therapeutic Interventions **Credit(s): 3**
Advised Term 3rd Year
- XSC 4080 - Fundamentals of Strength and Conditioning **Credit(s): 4**
Advised Term 4th Year
- XSC 4810 - Internship In Exercise Science **Credit(s): 3 to 12**
Advised Term 4th Year
- BIO 2060 - Nutrition for Health and Fitness **Credit(s): 3**
Advised Term 2nd Year

Pre-Professional Physical Therapy Concentration: (30 credits)

*This concentration satisfies most application requirements for advanced graduate study in Physical Therapy. Some graduate programs require Pre-Calculus and 6 credits of Psychology as prerequisites.

Exercise Science students in the Pre-Professional Physical Therapy concentration are required to take PSY 1010 or PSY 2070 for their Being in the World: Society & Behavior (NBEW) GECC requirement.

Only 3 credits of XSC 4810 may be used to fulfill this concentration. XSC 4130 must be taken twice for a total of 4 credits.

- XSC 3010 - Foundations of Orthopedic Evaluation **Credit(s): 4**
Advised Term 3rd Year
- XSC 3015 - Advanced Seminar in Exercise Science **Credit(s): 1**
Advised Term 3rd Year
- XSC 3020 - Foundations of Therapeutic Interventions **Credit(s): 3**
Advised Term 3rd Year
- XSC 4090 - Exercise Testing and Prescription **Credit(s): 4**
Advised Term 4th Year
- XSC 4130 - Practical Applications in Exercise Science **Credit(s): 2** (Must be taken twice for a total of 4 credits)
Advised Term 4th Year
- XSC 4150 - Clinical Exercise Prescription **Credit(s): 3**
Advised Term 4th Year
- XSC 4810 - Internship In Exercise Science **Credit(s): 3 to 12**
Advised Term 4th Year
- PHY 2032 - Fundamental Physics II **Credit(s): 4**
Advised Term 3rd Year

Individualized Program of Study Concentration: (23-25 credits)

This unique concentration area is reserved for students seeking advanced study in the field of Exercise Science, such as pre-professional occupational therapy, pre-professional physician assistant, pre-professional nursing, and pre-professional dietetics.

*This concentration satisfies most application requirements for advanced graduate study. Some graduate programs require additional pre-requisites.

In addition to the required courses below, complete 18 credits in Exercise Science. Your faculty advisor must approve all course selections. Only 3 credits of XSC 3810 or XSC 4820 may be used to fulfill this concentration.

- XSC 3810 - Practicum in Exercise Science **Credit(s): 2 to 6**
OR
- XSC 4810 - Internship In Exercise Science **Credit(s): 3 to 12**

And a minimum of one of the following national certification preparation courses:

- XSC 3080 - Fundamentals of Personal Training **Credit(s): 3**
- XSC 4080 - Fundamentals of Strength and Conditioning **Credit(s): 4**
- XSC 4150 - Clinical Exercise Prescription **Credit(s): 3**

Exercise Science - Pre-Professional Athletic Training PSU Fast Track

Minimum required credits for the program: 62

Students majoring in Exercise Science are required to take MAT 1020 and MAT 2021 for the Mathematics and Computing in the World (NMCW) GECC requirement, and BIO 1212 (preferred) or BIO 1210 for the Natural & Physical Worlds (NNPW) GECC requirement. All students in the B.S. in Exercise Science program must receive a C- or higher in all program required courses to

count toward the programmatic degree. In addition, students must have a cumulative GPA of at least 3.0 after the completion of 45 college credits at NVU.

Exercise Science students in the Pre-Professional Athletic Training PSU Fast Track concentration are required to take PSY 1010 for the Being in the World: Society & Behavior (NBEW) GECC requirement. Before transfer to PSU, students are expected to complete the NVU GECC and a minimum total of 100 credits.

Core: (41 Credits)

- XSC 1090 - Introduction to Exercise Science **Credit(s): 3**
- XSC 1255 - Fitness for Health and Performance **Credit(s): 3**
- XSC 2050 - Human Gross Anatomy **Credit(s): 4**
- XSC 2055 - Human Physiology **Credit(s): 4**
- XSC 2111 - Care and Prevention of Injuries **Credit(s): 3**
(**Note: Students in Pre-Professional Athletic Training PSU Fast Track concentration will take AT 5400, Preventative Theory & Psychomotor Skills**)
- XSC 3120 - Kinesiology **Credit(s): 3**
- XSC 3150 - Physiology of Exercise **Credit(s): 4**
- XSC 4010 - Motor Learning and Control **Credit(s): 3**
- XSC 4071 - Assessment of Exercise Science **Credit(s): 3**
- XSC 4072 - Research Methods in Exercise Science **Credit(s): 3**
- CHE 1031 - General Chemistry I **Credit(s): 4**
- PHY 2031 - Fundamental Physics I **Credit(s): 4**

Concentration - Pre-Professional Athletic Training PSU Fast Track (21 Credits)

- XSC 2060 - Sport and Exercise Psychology **Credit(s): 3**
- XSC 2121 - Taping and Wrapping **Credit(s): 2**
- XSC 3010 - Foundations of Orthopedic Evaluation **Credit(s): 4**
- XSC 3015 - Advanced Seminar in Exercise Science **Credit(s): 1**
- XSC 3020 - Foundations of Therapeutic Interventions **Credit(s): 3**
- XSC 3080 - Fundamentals of Personal Training **Credit(s): 3**
- XSC 3810 - Practicum in Exercise Science **Credit(s): 2 to 6**
- BIO 2060 - Nutrition for Health and Fitness **Credit(s): 3**

Fine Woodworking and Furniture Design (A.A.) - J

Fine Woodworking and Furniture Design Programs at NVU-Johnson

Students enrolled in NVU-Johnson's new Bachelor of Fine Arts or Associate of Arts in Fine Woodworking and Furniture Design take most of the courses in the major at the Vermont Woodworking School (VWS) in their 15,000 square foot, historic barn turned modern woodworking facility. The Vermont Woodworking School is located in Cambridge, about 20 minutes away from the NVU-Johnson campus, complete with state-of-the-art bench rooms, mill shops, a finish room, a 12-seat computer lab, a photo studio, common areas and galleries. Johnson students study in the same classes and with the same faculty as VWS's Immersion students. They are assigned a bench at the Vermont Woodworking School and participate in an average of 6 to 9 credits of their full 15-credit course load each semester. The remainder of their courses are completed at the NVU-Johnson campus.

Graduates of the A.A. and B.F.A. in Fine Woodworking and Furniture Design are prepared to go on to careers in the wood products industry including working for wood products manufacturers, small wood businesses, making and/or designing furniture, or in other fabrication industries. Both the A.A. and the B.F.A. equip students with skills using SolidWorks, CAD program, preparing graduates for design jobs in the wood industry and beyond. Graduates also go on to start their own furniture businesses.

Learning Outcomes for A.A. and B.F.A. Fine Woodworking and Furniture Design Majors:

1. Articulate informed and ideologically sound ideas about art, both historic and contemporary, and connect those ideas to the wider world.
2. Produce creative artwork that is technically proficient and imbued with meaningful content.
3. Demonstrate a general understanding, ability, and resourcefulness with a wide range of art media, as well as a deeper understanding of at least one medium such as drawing, painting, sculpture, photography, digital media, or art history.
4. Have an openness to ideas other than their own and a willingness to take risks with their own work.
5. Have established regular studio practice, which will hopefully be lifelong, be aware of developing issues in their own work, and know how to continue on their own in the pursuit of that vision, with strategies for maintaining self-awareness.
6. Be familiar with the professional art world, from the perspective of career options, including exhibition venues, graduate schools, and grant opportunities.
7. Assemble a professional portfolio.
8. Understand the mechanics of setting up a safe and functioning studio.
9. Know how to do a professional exhibition of their art, write about their art, and speak about their art at a public event.

Required Courses

Core Courses (30 credits)

- WFD 1010 - Foundations of Furniture Design I **Credit(s): 9**
- WFD 1020 - Design Studio I: Small Tables **Credit(s): 6**
- WFD 2010 - Foundations of Furniture Design II **Credit(s): 9**
- WFD 2020 - Design Studio II: Casework **Credit(s): 6**

Advanced Studio Courses (6 credits)

Students must take 6 credits of 3000/4000-level advanced NVU-Johnson studio courses.

Total: 36 credits

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* meet all other Degree Requirements, including the General Education Core Curriculum and NVU Graduation Standards.

Fine Woodworking and Furniture Design (B.F.A.) - J

Fine Woodworking and Furniture Design Programs at NVU-Johnson

Students enrolled in NVU-Johnson's new Bachelor of Fine Arts or Associate of Arts in Fine Woodworking and Furniture Design take most of the courses in the major at the Vermont Woodworking School (VWS) in their 15,000 square foot, historic barn turned modern woodworking facility. The Vermont Woodworking School is located in Cambridge, about 20 minutes away from the NVU-Johnson campus, complete with state-of-the-art bench rooms, mill shops, a finish room, a 12-seat computer lab, a photo studio, common areas and galleries. Johnson students study in the same classes and with the same faculty as VWS's Immersion students. They are assigned a bench at the Vermont Woodworking School and participate in an average of 6 to 9 credits of their full 15-credit course load each semester. The remainder of their courses are completed at the NVU-Johnson campus.

Graduates of the A.A. and B.F.A. in Fine Woodworking and Furniture Design are prepared to go on to careers in the wood products industry including working for wood products manufacturers, small wood businesses, making and/or designing furniture, or in other fabrication industries. Both the A.A. and the B.F.A. equip students with skills using SolidWorks, CAD program, preparing graduates for design jobs in the wood industry and beyond. Graduates also go on to start their own furniture businesses.

Learning Outcomes for A.A. and B.F.A. Fine Woodworking and Furniture Design Majors:

1. Articulate informed and ideologically sound ideas about art, both historic and contemporary, and connect those ideas to the wider world.
2. Produce creative artwork that is technically proficient and imbued with meaningful content.
3. Demonstrate a general understanding, ability, and resourcefulness with a wide range of art media, as well as a deeper understanding of at least one medium such as drawing, painting, sculpture, photography, digital media, or art history.
4. Have an openness to ideas other than their own and a willingness to take risks with their own work.
5. Have established regular studio practice, which will hopefully be lifelong, be aware of developing issues in their own work, and know how to continue on their own in the pursuit of that vision, with strategies for maintaining self-awareness.
6. Be familiar with the professional art world, from the perspective of career options, including exhibition venues, graduate schools, and grant opportunities.
7. Assemble a professional portfolio.
8. Understand the mechanics of setting up a safe and functioning studio.
9. Know how to do a professional exhibition of their art, write about their art, and speak about their art at a public event.

Required Courses

Core Courses (63 credits)

- ARH 2010 - Survey of Western Traditions in Art **Credit(s): 3**
- ARH 2060 - Survey of Non-Western Traditions in Art **Credit(s): 3**
- ART 1011 - Drawing I (J) **Credit(s): 3**
- ART 1140 - Design I **Credit(s): 3**
- ART 2110 - Introduction to Digital Media **Credit(s): 3**
- ART 2211 - Painting I (J) **Credit(s): 3**
- ART 2251 - Sculpture I (J) **Credit(s): 3**
- WFD 1010 - Foundations of Furniture Design I **Credit(s): 9**
- WFD 1020 - Design Studio I: Small Tables **Credit(s): 6**
- WFD 2010 - Foundations of Furniture Design II **Credit(s): 9**
- WFD 2020 - Design Studio II: Casework **Credit(s): 6**
- WFD 2030 - Business Practice and Marketing for Artisans **Credit(s): 3**
- WFD 3010 - Thinking and Achieving Through Craft **Credit(s): 3**
- WFD 3020 - Design Studio III: Chairs **Credit(s): 6**

Advanced Studio Courses (6 credits)

Students must complete 6 credits of 3000/4000-level advanced studio electives at the NVU-Johnson campus.

Advanced Art History Courses (3 credits)

Students must complete 3 credits of 3000/4000-level advanced art history electives at the NVU-Johnson campus.

Senior Capstone Courses (12 credits)

- ARH 4720 - Seminar in Contemporary Art Issues **Credit(s): 3**
- WFD 4120 - Senior Project in Furniture Design **Credit(s): 6**
- WFD 4720 - Portfolio and Presentation **Credit(s): 3**

Total Credits: 84

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* meet all other Degree Requirements, including the General Education Core Curriculum and NVU Graduation Standards.

General Studies (A.A.) - J, O

This two-year program exposes students to a range of disciplines and provides a sound educational base for future studies at the bachelor's or professional level.

Core: 40 Credits

Completion of General Education Core Curriculum for Four-Year Programs.

Elective courses: 20 Credits

Elective courses must be in addition to, and distinct from, the courses included in the General Education Core Curriculum. Courses cannot be counted in both areas.

General Studies (A.A.) - L

Program Mission Statement

This program is intended to introduce students to the nature and benefits of collegiate level academic study.

Program Goals

This program is designed to provide the student with a firm and broad base in the liberal arts and sciences and an opportunity to pursue further study in areas of interest at an introductory or intermediate level. The Associate of Arts degree in General Studies

is available to all qualified students upon filing a request to graduate prior to the final semester of study. This degree is intended to provide a diploma at the end of two years of college study.

Program Assessment

Students must successfully complete the Graduation Standards established by the Vermont State College System.

Requirements for the Associate of Arts in General Studies

Core: 40 Credits

Completion of General Education Core Curriculum for Four-Year Programs.

Elective courses: 20 Credits

Elective courses must be in addition to, and distinct from, the courses included in the General Education Core Curriculum. Courses cannot be counted in both areas.

Minimum required credits for the program: 60

Global Studies (B.A.) - L

Minimum required credits for the program: 39-40

Requirements for the program (foundations and a concentration)

Foundations of Social Science: (21-22 Credits)

Note: SSC 1040, Introduction to the Social Sciences, is recommended for all first year Global Studies majors.

Required:

- SSC 4720 - Senior Thesis/Capstone **Credit(s): 3**

Choose six (6) courses from the following:

- ANT 1030 - Introduction to Anthropology **Credit(s): 3**
Advised Term 1st/2nd Year
- ECO 2060 - Survey of Economics **Credit(s): 4**
Advised Term 1st/2nd Year
- GEO 1010 - Introduction to Geography **Credit(s): 3**
Advised Term 1st/2nd Year
- HIS 1011 - Western Civilization I **Credit(s): 3**
Advised Term 1st/2nd Year
- HIS 1211 - American History I **Credit(s): 3**
Advised Term 1st/2nd Year
- HIS 1212 - American History II **Credit(s): 3**

Advised Term 1st/2nd Year

- POS 1010 - Introduction to Political Science **Credit(s): 3**
Advised Term 1st/2nd Year
- POS 1030 - Comparative Government **Credit(s): 3**
Advised Term 1st/2nd Year
- SOC 1010 - Introduction to Sociology (L) **Credit(s): 3**
Advised Term 1st/2nd Year

Concentration in Global Studies (18 credits)

At least 18 credits of the following, at least nine credits at the 3000/4000 level. No more than six credits of fieldwork courses (ANT-3820, SSC 2020 and SSC-3820) may be counted toward the degree.

- ANT 3010 - Native Societies of America **Credit(s): 3**
- ANT 3030 - Comparative Cultures **Credit(s): 3**
- ANT 3050 - Culture, Ecology, and Health **Credit(s): 3**
- ANT 3060 - Ethnocuisine **Credit(s): 3**
- ANT 3310 - Myth, Magic & Religion **Credit(s): 3**
- ANT 3820 - Anthropology Fieldwork **Credit(s): 1 to 6**
- BUS 3240 - Global Business **Credit(s): 3**
- ENG 2390 - Introduction to World Literature **Credit(s): 3**
- HIS 2240 - Survey of Eurasia **Credit(s): 3**
- RUS 2010 - Mystery of Russian Soul and Culture **Credit(s): 3**
- HIS 3056 - Race in America **Credit(s): 3**
- HIS 3445 - History of Soviet/Russian Cinema and TV **Credit(s): 3**
- HIS 3310 - 18th and 19th Centuries Europe **Credit(s): 3**
- HIS 3330 - Europe since 1914 **Credit(s): 3**
- HIS 3440 - Modern Russia **Credit(s): 3**
- HIS 3530 - Modern East and Southeast Asia **Credit(s): 3**
- HIS 3540 - Modern South Asia **Credit(s): 3**
- HIS 3550 - The Islamic World **Credit(s): 3**
- POS 2040 - International Relations **Credit(s): 3**
- POS 3430 - Government and Politics in Russia and Post-Soviet States **Credit(s): 3**
- PSY 3090 - Lifespan Across Cultures **Credit(s): 3**
- SOC 2420 - Sociology of Globalization **Credit(s): 3**
- SOC 3050 - Gender and Society **Credit(s): 3**
- SSC 2020 - Experience the World **Credit(s): 1**
- SSC 3820 - Global Studies Fieldwork **Credit(s): 1 to 6**

Concentration in History (18 credits)

At least 18 credits of the following, at least 12 credits at the 3000/4000 level

- HIS 2240 - Survey of Eurasia **Credit(s): 3**
- RUS 2010 - Mystery of Russian Soul and Culture **Credit(s): 3**
- HIS 2710 - Special Topics in History **Credit(s): Variable**
- HIS 2910 - Independent Study in History **Credit(s): 1-12 (Johnson); 1-3 (Lyndon)**
- HIS 3056 - Race in America **Credit(s): 3**

- HIS 3155 - Sports in American History **Credit(s): 3**
- HIS 3165 - Vermont History **Credit(s): 3**
- HIS 3445 - History of Soviet/Russian Cinema and TV **Credit(s): 3**
- HIS 3310 - 18th and 19th Centuries Europe **Credit(s): 3**
- HIS 3330 - Europe since 1914 **Credit(s): 3**
- HIS 3440 - Modern Russia **Credit(s): 3**
- HIS 3530 - Modern East and Southeast Asia **Credit(s): 3**
- HIS 3540 - Modern South Asia **Credit(s): 3**
- HIS 3550 - The Islamic World **Credit(s): 3**
- HIS 4710 - Special Topics in History **Credit(s): Variable**
- HIS 4810 - Internship in History **Credit(s): 1-12 (Johnson); 1-6 (Lyndon)**
- HIS 4910 - Independent Study in History **Credit(s): 1-12 (Johnson); 1-3 (Lyndon)**

Concentration in Anthropology/Sociology (18 Credits)

At least 18 credits of the following, at least 12 credits at the 3000/4000 level.

Select 15 credits from the following:

- ANT 3010 - Native Societies of America **Credit(s): 3**
 - ANT 3030 - Comparative Cultures **Credit(s): 3**
 - ANT 3050 - Culture, Ecology, and Health **Credit(s): 3**
 - ANT 3060 - Ethnocuisine **Credit(s): 3**
 - ANT 3070 - Ecotourism **Credit(s): 3**
 - ANT 3310 - Myth, Magic & Religion **Credit(s): 3**
 - ANT 3820 - Anthropology Fieldwork **Credit(s): 1 to 6**
 - ANT 4710 - Special Topics in Anthropology **Credit(s): Variable**
 - SOC 2420 - Sociology of Globalization **Credit(s): 3**
 - SOC 2710 - Special Topics in Sociology **Credit(s): Variable**
 - SOC 3050 - Gender and Society **Credit(s): 3**
 - SOC 4810 - Internship in Sociology **Credit(s): 1 to 6**
- Note: No more than 6 credits of internship/trip courses may be used toward the concentration.*

Select one course from the following:

- PSY 3090 - Lifespan Across Cultures **Credit(s): 3**
- BUS 3240 - Global Business **Credit(s): 3**
- CRJ 2050 - Criminology **Credit(s): 3**
- CRJ 3220 - International Criminal Justice **Credit(s): 3**
- HIS 3550 - The Islamic World **Credit(s): 3**
- HIS 3440 - Modern Russia **Credit(s): 3**
- HIS 3530 - Modern East and Southeast Asia **Credit(s): 3**
- HIS 2240 - Survey of Eurasia **Credit(s): 3**

Academic and Fieldwork Opportunities

Social Science majors may elect to make independent arrangements to study abroad with faculty approval. Internships undertaken through Cooperative Education enable students to gain firsthand experience in areas related to their major and interests. Students have acted as legislative aides in government, worked in museums, law offices, correctional facilities, and have been involved with social-service delivery programs and with municipal government research projects.

In addition, the department offers a number of opportunities for students to experience the culture of a foreign country by traveling to that country and visiting historic and cultural sites, cultural events, and interacting with the people and culture. The department also offers ANT 3820 Anthropology Fieldwork and SSC 3820 Global Studies Fieldwork. Only two fieldwork/trip courses will count towards the advanced area studies credits in either major.

Graphic Design (A.A.) - L

Minimum required credits for the program: 27

Foundation Courses: (18 credits)

- DES 1020 - Design **Credit(s): 3**
- DES 1025 - Image Manipulation **Credit(s): 3**
- ART 2020 - Color Theory **Credit(s): 3**
- DES 1035 - Vector Graphics **Credit(s): 3**
- DES 1015 - Typography **Credit(s): 2**
- DES 1045 - Page Layout **Credit(s): 3**
- DES 2015 - Web Design I **Credit(s): 3**

Media Communications Course: (3 credits)

Choice Courses: (6 credits)

Choose two courses from the following:

- ART 1011 - Drawing I (L) **Credit(s): 3**
- ART 2301 - Photography I (L) **Credit(s): 3**
- ARH 2011 - Survey of Western Art I **Credit(s): 3**
- ARH 2012 - Survey of Western Art II **Credit(s): 3**
- ARH 3090 - Historical Themes in the Visual Arts **Credit(s): 3**
- BUS 2230 - Principles of Marketing **Credit(s): 3**
- ENG 2155 - Multimedia Storytelling **Credit(s): 3**

Graphic Design (B.F.A.) - L

Minimum required credits: 75

Core Courses: (39 credits)

CIS 1090 is strongly recommended in partial completion of the GECC Mathematics and Computing in the World (NMCW) requirement.

- ART 1011 - Drawing I (L) **Credit(s): 3**
- ART 2020 - Color Theory **Credit(s): 3**
- BUS 2230 - Principles of Marketing **Credit(s): 3**
- CIS 2141 - Programming Internet and Web Applications Part I **Credit(s): 3**

- DES 1015 - Typography **Credit(s): 2**
- DES 1020 - Design **Credit(s): 3**
- DES 1025 - Image Manipulation **Credit(s): 3**
- DES 1035 - Vector Graphics **Credit(s): 3**
- DES 1045 - Page Layout **Credit(s): 3**
- DES 2010 - Moving Image Fundamentals **Credit(s): 3**
- DES 2015 - Web Design I **Credit(s): 3**
- DES 3111 - Print Production **Credit(s): 3**
- DES 3112 - Digital Production **Credit(s): 3**

Acceptance into BFA Program (0 credits)

Students apply for Formal Acceptance by submitting a portfolio of their designs starting in their third semester of study, and students must earn Formal Acceptance prior to the completion of 60 credits. If this requirement is not complete, students may change to a different degree program.

Art History Courses: (6 credits)

Choose two of the following courses:

- ARH 2012 - Survey of Western Art II **Credit(s): 3**
- ARH 2070 - History of Photography **Credit(s): 3**
- ARH 3090 - Historical Themes in the Visual Arts **Credit(s): 3**

Choice Courses (12 credits) - Select Two Groups

Business Group

- BUS 3160 - Sales Management and Selling **Credit(s): 3**
- BUS 3272 - Social-Media Marketing **Credit(s): 3**

Communications Group

- COM 2085 - Public Relations, Advertising, and Marketing **Credit(s): 3**
- COM 3080 - Strategic Media Communications **Credit(s): 3**

Photography Group

- ART 1410 - Digital Photography **Credit(s): 3**
- ART 3260 - Commercial Photography **Credit(s): 3**

Web Programming Group

- CIS 3120 - Programming Internet and Web Applications Part II **Credit(s): 3**
- DES 3115 - Web Design II **Credit(s): 3**

Advanced Design Courses (9 credits)

- DES 3150 - Packaging Design **Credit(s): 3**
- DES 4010 - Branding **Credit(s): 3**
- DES 4020 - Advanced Typography **Credit(s): 3**

Capstone Courses (9 credits)

Design Studio and Design Portfolio are each required. The remaining three credits may be Design Studio or Design Internship(s).

- DES 4950 - Design Portfolio **Credit(s): 3**
- DES 4550 - Design Studio **Credit(s): 3** *Note: may be repeated for credit*
- DES 4810 - Design Internship **Credit(s): 1-6** *Note: may be repeated for credit*

Health Sciences (B.S.): Health & Wellness Coaching Concentration -

J

Students majoring in Health Sciences at NVU-Johnson choose one of two concentrations: Health Sciences (B.S.): Health & Wellness Coaching concentration or Health Sciences (B.S.): Pre-Professional Health Science concentration. Students graduate with a B.S. in Health Sciences with a concentration in one of these specialties.

The major is designed for students wishing to pursue careers in health and wellness and the allied health fields. It trains students in the basic sciences, including biology, chemistry, anatomy and physiology; assessment of health status; the disease process; nutrition and fitness; and the scientific method. Graduates are prepared for a variety of career options as well as graduate study (which is required for students pursuing careers as physical therapists, physician assistants, occupational therapists and similar fields). In addition, with the current increases in lifestyle-related disease and the growing elderly population, graduates will be poised to take advantage of new prospects in the health field.

Learning Outcomes

The B.S. in Health Sciences seeks to produce graduates who:

- Demonstrate through both speaking and writing an understanding of biological, physical and social sciences related to contemporary health issues.
- Use both qualitative and quantitative methods to appraise risk factors and health status in diverse populations, and then design safe and effective programs to target these factors in healthy and diseased populations.
- Possess in-depth understanding of the scientific method and the ability to accurately interpret and apply scientific findings related to the human body, health, and disease.

Learning outcomes specific to the Health & Wellness Coaching Concentration

- Students will possess the knowledge and skills necessary for careers in personal training, corporate health/wellness, community health education, and health/wellness counseling.
- Students will be well-prepared for examinations leading to nationally recognized Health & Wellness Coaching certifications.

Health Sciences Core Curriculum (NVU-J) (22 credits)

- AHS 1010 - Contemporary Health Issues **Credit(s): 3**
- AHS 1340 - First Aid and CPR **Credit(s): 1**
- AHS 2370 - Fundamentals of Nutrition **Credit(s): 3**
- BIO 2011 - Human Anatomy & Physiology I **Credit(s): 4**
- BIO 2012 - Human Anatomy and Physiology II **Credit(s): 4**
- PSY 1010 - Introduction to Psychology **Credit(s): 3**

- SCI 2270 - Student Knowledge Improvement and Leadership Learning Seminar (SKILLS) **Credit(s): 1** (Taken twice)
- ENV 2210 - Current Topics in Science **Credit(s): 1** (Taken twice)

Health & Wellness Coaching Concentration

Required Concentration Courses

- AHS 2350 - Physical Activity in Health and Disease **Credit(s): 3**
- AHS 2360 - Introduction to Food Science **Credit(s): 3**
- AHS 2480 - Introduction to Wellness Coaching **Credit(s): 3**
- AHS 4025 - Health Behavior: Change & Adherence **Credit(s): 3**
- AHS 4110 - Psychophysiology of Stress **Credit(s): 3**
- BIO 1210 - Introduction to Biology **Credit(s): 4**
- BIO 3180 - Nutrition **Credit(s): 3**
- CHE 1055 - General, Organic and Biochemistry **Credit(s): 4**
- SOC 1010 - Introduction to Sociology (J) **Credit(s): 3**
- AHS 4810 - Internship in Allied Health Science **Credit(s): 1-12** (Credit(s): 3) **OR**
- AHS 4911 - Senior Research **Credit(s): 3**

Electives (6-8 credits):

- AHS 1080 - Lifetime Fitness **Credit(s): 1**
- AHS 3043 - Care & Prevention of Athletic Injuries **Credit(s): 4**
- AHS 3050 - Introduction to Pharmacology **Credit(s): 3**
- AHS 3230 - Physiology of Exercise **Credit(s): 4**
- BIO 3125 - Biological Chemistry **Credit(s): 4**
- BIO 3130 - Cellular Biology: A Molecular Approach **Credit(s): 4**
- BIO 3140 - Introduction to Microbiology **Credit(s): 4**
- CHE 1032 - General Chemistry II **Credit(s): 4**
- CHE 3111 - Organic Chemistry I **Credit(s): 4**
- PHY 2031 - Fundamental Physics I **Credit(s): 4**
- PHY 2032 - Fundamental Physics II **Credit(s): 4**
- PSY 2070 - Developmental Psychology **Credit(s): 3**
- PSY 3070 - Abnormal Psychology **Credit(s): 3**

Total: 57-59 credits

Important Note: To remain in this program, students must achieve a minimum cumulative GPA of 3.0 after completion of four semesters, plus at least a 3.0 GPA in the following courses:

BIO 2011 Anatomy & Physiology I (4 cr.)

BIO 2012 Anatomy & Physiology II (4 cr.)

BIO 1211 Introduction to Biology; Ecology & Evolution (4 cr.)

BIO 1212 Introduction to Biology: Cells and Genetic Basis of Life (4 cr.)

Graduate Study Advisory

Some graduate programs may have admission requirements as noted below that are not included in this program of study (e.g., see below). Electives should be identified early in the degree program and in discussion with an advisor about academic and career goals.

- **Doctor of Physical Therapy (DPT) programs sometimes require the following additional prerequisites:**
 - One additional psychology course (PSY 2070 or PSY 3070 recommended)
- **Doctor of Chiropractic programs often require the following additional prerequisite:**
 - CHE 3111 - Organic Chemistry I
- **Physician's Assistant (PA) graduate programs often require the following prerequisites:**
 - Two semesters of 4-credit advanced biology courses (3000- or 4000-level). Replacement of PHY 2031 - Fundamentals Physics I and PHY 2032 - Fundamentals Physics II with these courses is recommended for those interested in PA programs.

Secondary Teaching License in Science

Students pursuing licensure endorsement to teach science in grades 7-12 must successfully complete one of the approved majors for this endorsement (the Biology: Field Naturalist (B.A.) - J, Biology (B.S.): Pre-Medical concentration - J, Health Sciences (B.S.): Health & Wellness Coaching Concentration - J, Environmental Science (B.S.): Environmental Analysis & Assessment concentration - J, or Environmental Science (B.S.): Environmental Policy & Advocacy concentration - J), as well as specific teacher-education coursework and requirements. Please refer to the Secondary Teacher License Endorsement - J section for details.

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* meet all other Degree Requirements, including the General Education Core Curriculum and NVU Graduation Standards.

Health Sciences (B.S.): Pre-Professional Health Studies - J

Students majoring in Health Sciences at NVU-Johnson choose one of two concentrations: Health Sciences (B.S.): Health & Wellness Coaching concentration or Health Sciences (B.S.): Pre-Professional Health Science concentration. Students graduate with a B.S. in Health Sciences with a concentration in one of these specialties.

The major is designed for students wishing to pursue careers in health and wellness and the allied health fields. It trains students in the basic sciences, including biology, chemistry, anatomy and physiology; assessment of health status; the disease process; nutrition and fitness; and the scientific method. Graduates are prepared for a variety of career options as well as graduate study (which is required for students pursuing careers as physical therapists, physician assistants, occupational therapists and similar fields). In addition, with the current increases in lifestyle-related disease and the growing elderly population, graduates will be poised to take advantage of new prospects in the health field.

Learning Outcomes

The B.S. in Health Sciences seeks to produce graduates who:

- Demonstrate through both speaking and writing an understanding of biological, physical and social sciences related to contemporary health issues.

- Use both qualitative and quantitative methods to appraise risk factors and health status in diverse populations, and then design safe and effective programs to target these factors in healthy and diseased populations.
- Possess in-depth understanding of the scientific method and the ability to accurately interpret and apply scientific findings related to the human body, health, and disease.

Learning outcomes specific to the Pre-Professional Health Studies Concentration

- Students will have the knowledge and skills for entry into graduate programs in nutrition, nursing, occupational therapy, physical therapy, and physician assistance, and related allied health disciplines.

Health Sciences Core Curriculum (NVU-J) (22 credits)

- AHS 1010 - Contemporary Health Issues **Credit(s): 3**
- AHS 1340 - First Aid and CPR **Credit(s): 1**
- AHS 2370 - Fundamentals of Nutrition **Credit(s): 3**
- BIO 2011 - Human Anatomy & Physiology I **Credit(s): 4**
- BIO 2012 - Human Anatomy and Physiology II **Credit(s): 4**
- PSY 1010 - Introduction to Psychology **Credit(s): 3**
- SCI 2270 - Student Knowledge Improvement and Leadership Learning Seminar (SKILLS) **Credit(s): 1** (Taken twice)
- ENV 2210 - Current Topics in Science **Credit(s): 1** (Taken twice)

Pre-Professional Health Studies Concentration (36 Credits)

Required Concentration Courses

- AHS 4025 - Health Behavior: Change & Adherence **Credit(s): 3**
- AHS 4110 - Psychophysiology of Stress **Credit(s): 3**
- CHE 1031 - General Chemistry I **Credit(s): 4**
- BIO 1212 - Introduction to Biology: Cells and Genetic Basis **Credit(s): 4**
- BIO 1211 - Introduction to Biology: Ecology and Evolution **Credit(s): 4**
- CHE 1032 - General Chemistry II **Credit(s): 4**
- MAT 2021 - Statistics **Credit(s): 3**
- PHY 2031 - Fundamental Physics I **Credit(s): 4**
- PHY 2032 - Fundamental Physics II **Credit(s): 4**
- AHS 4810 - Internship in Allied Health Science **Credit(s): 1-12** (Credit(s): 3) **OR**
- AHS 4911 - Senior Research **Credit(s): 3**

Electives (6-8 credits)

(Complete 6 to 8 credits)

- AHS 2130 - Strength & Conditioning **Credit(s): 3**
- AHS 3043 - Care & Prevention of Athletic Injuries **Credit(s): 4**
- AHS 3050 - Introduction to Pharmacology **Credit(s): 3**
- AHS 3230 - Physiology of Exercise **Credit(s): 4**

- BIO 3125 - Biological Chemistry **Credit(s): 4**
- BIO 3130 - Cellular Biology: A Molecular Approach **Credit(s): 4** (offered every 3 years)
- BIO 3140 - Introduction to Microbiology **Credit(s): 4** (offered every 3 years)
- CHE 3111 - Organic Chemistry I **Credit(s): 4**
- PSY 2070 - Developmental Psychology **Credit(s): 3**
- PSY 3070 - Abnormal Psychology **Credit(s): 3**

Total: 64-66 credits

Medical School Admission Requirements (NVU-J)

Students who intend to apply to medical school after completing their B.S. in Health Sciences at NVU-Johnson should take these standard prerequisite courses as well:

- BIO 1210 - Introduction to Biology **Credit(s): 4**
- BIO 1211 - Introduction to Biology: Ecology and Evolution **Credit(s): 4**
- BIO 1212 - Introduction to Biology: Cells and Genetic Basis **Credit(s): 4**
- CHE 1031 - General Chemistry I **Credit(s): 4**
- CHE 1032 - General Chemistry II **Credit(s): 4**
- CHE 3111 - Organic Chemistry I **Credit(s): 4**
- CHE 3112 - Organic Chemistry II **Credit(s): 4**
- PHY 2031 - Fundamental Physics I **Credit(s): 4**
- PHY 2032 - Fundamental Physics II **Credit(s): 4**

Some medical schools also require or recommend the following:

- BIO 3125 - Biological Chemistry **Credit(s): 4**
- BIO 3220 - Genetics **Credit(s): 4**
- MAT 1531 - Calculus I **Credit(s): 4**

Secondary Teaching License in Science

Students pursuing licensure endorsement to teach science in grades 7-12 must successfully complete one of the approved majors for this endorsement (the Biology: Field Naturalist (B.A.) - J, Biology (B.S.): Pre-Medical concentration - J, Health Sciences (B.S.): Health & Wellness Coaching Concentration - J, Environmental Science (B.S.): Environmental Analysis & Assessment concentration - J, or Environmental Science (B.S.): Environmental Policy & Advocacy concentration - J), as well as specific teacher-education coursework and requirements. Please refer to the Secondary Teacher License Endorsement - J section for details.

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* meet all other Degree Requirements, including the General Education Core Curriculum and NVU Graduation Standards.

History (B.A.) - J

History is recognized as a field central to the liberal arts tradition. Its study of the variety and diversity of human experience through time is vital to developing an educated perspective on the world today.

A history major is an appropriate and useful one for students planning to enter the fields of teaching, public service, museum work, historical preservation and law, as well as those intending to study at the graduate level.

Learning Outcomes for History Majors

Each graduate will:

1. Have a general knowledge of the human past and geographical literacy, including events, ideas and individuals that have shaped the world through time.
2. Have an understanding of the economic, political, social, cultural and religious historical forces and the complexity of events that reflect the diversity of human experience.
3. Have specific regional and temporal knowledge of "Western" and "non-Western" cultures.
4. Be competent in locating, evaluating, synthesizing and analyzing historical evidence from primary sources and/or documents.
5. Be capable of understanding, defending, critiquing and developing historical interpretations.
6. Successfully communicate, in oral and written form, his or her findings and interpretations, using proper documentations and scholarly conventions.

Required Courses

Category I (18 credits)

- HIS 1111 - World History I **Credit(s): 3**
- HIS 1112 - World History II **Credit(s): 3**
- HIS 1211 - American History I **Credit(s): 3**
- HIS 1212 - American History II **Credit(s): 3**
- HIS 4730 - Seminar in Historical Communication **Credit(s): 3**
- HIS 4740 - Seminar in Historical Investigation **Credit(s): 3**

Electives (24 credits)

Take eight upper-level elective courses from Categories II and III below. Electives must include at least two courses from Category II and a minimum of 5 must be HIS designated.

Category II

- HIS 3040 - Ancient Civilizations of the New World **Credit(s): 3**
- HIS 3225 - Latin America: Mexico to Chile; History, Politics, Cultures **Credit(s): 3**
- HIS 3510 - Chinese History & Culture **Credit(s): 3**
- HIS 3520 - Japanese History & Culture **Credit(s): 3**
- HUM 3110 - Native American History & Culture **Credit(s): 3**
- HUM 3120 - The Abenaki & Their Neighbors **Credit(s): 3**
- HUM 3150 - People & Cultures of the Middle East & North Africa **Credit(s): 3**
- HUM 3160 - African Culture **Credit(s): 3**

Category III

- HIS 3020 - Greek & Roman History **Credit(s): 3**
- HIS 3050 - Community in America **Credit(s): 3**
- HIS 3060 - Church & State in America **Credit(s): 3** (offered through NVU Online)
- HIS 3080 - Colonial America: History & Life **Credit(s): 3**
- HIS 3090 - Modern German History **Credit(s): 3**
- HIS 3141 - History of the United States in the 20th Century I **Credit(s): 3**
- HIS 3142 - History of the United States in the 20th Century II **Credit(s): 3**
- HIS 3160 - Vermont's Coastal Regions **Credit(s): 3**
- HIS 3312 - Europe in the 20th Century **Credit(s): 3**
- HIS 3350 - Struggle for Democracy **Credit(s): 3** (offered through NVU Online)
- HIS 3352 - Britain in the Age of Empire **Credit(s): 3**
- HIS 3355 - The European Enlightenment **Credit(s): 3**
- HIS 3370 - Nationalism & Rebellion in Irish History **Credit(s): 3** (offered through NVU Online)
- HIS 3420 - French Revolution **Credit(s): 3**
- HIS 3430 - History of the Soviet Union **Credit(s): 3**
- HIS 3450 - Women in European History **Credit(s): 3**
- INT 3210 - The Holocaust: An Interdisciplinary Approach **Credit(s): 3**
- POS 4010 - American Foreign Policy **Credit(s): 3**

Total: 42 credits

Secondary Teaching License in Social Studies

Students pursuing licensure endorsement to teach Social Studies in grades 7-12 must successfully complete either the History (B.A.) - J or the Political Science (B.A.) - J, O, as well as specific teacher-education coursework and requirements. Please refer to the Secondary Teacher License Endorsement - J section for details.

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* meet all other Degree Requirements, including the General Education Core Curriculum and NVU Graduation Standards.

History (B.A.) - L

Minimum required credits for the program: 42

Foundations of History (12 Credits)

- HIS 1111 - World History I **Credit(s): 3**
- HIS 1112 - World History II **Credit(s): 3**
- HIS 1211 - American History I **Credit(s): 3**
- HIS 1212 - American History II **Credit(s): 3**

Capstone in History (6 Credits)

- HIS 4730 - Seminar in Historical Communication **Credit(s): 3**

One of the following:

- HIS 4740 - Seminar in Historical Investigation **Credit(s): 3**
- HIS 4810 - Internship in History **Credit(s): 1-12 (Johnson); 1-6 (Lyndon)**

Electives in History (24 Credits)

Take at least 21 credits designated HIS, with 18 credits in the 3000/4000 level; 3 credits may be non-HIS designated from the following list of courses: any POS, RUS 2010, INT 3210, HUM 3110, HUM 3125, HUM 3150, HUM 3160.

Holistic Health (B.S.) - J, O

Launched in 2000, updated in spring 2014, and re-named in 2020 to reflect advances in medical knowledge and contemporary practice, the B.S. degree in Holistic Health at NVU-Johnson is based on the scientific protocols set by the National Institutes of Health's National Center for Complementary & Alternative Medicine and Bastyr University's Naturopathic Medical School program in Seattle, Washington.

An interdisciplinary collaboration between NVU-Johnson's Behavioral Sciences and Environmental & Health Sciences departments, the program employs societal, cultural, biochemical and global frameworks to investigate the history, principles and scientific evidence for the safety and effectiveness of diverse modalities to heal disease and to create wellness. It provides the scientific knowledge and practical skills needed to make informed healthcare decisions and lifestyle choices and to prepare for careers as state-of-the-art healthcare professionals, veterinarians and doctors.

Students study conventional, allopathic medicine in the U.S. as well as alternative medical models from around the world. On-campus students may elect to co-enroll in approved certification programs to become massage therapists, yoga instructors, reiki masters and Ayurvedic consultants. (This option is not available to students enrolled in this program through NVU Online.) Graduates are prepared for initial positions in the wellness and fitness industry, hospital employee-assistance programs, social-assistance programs, the diet and supplements industry, and as assistants to alternative medical practitioners. Many graduates go on to graduate and medical schools to become physicians, nurses, chiropractors, naturopathic physicians, Chinese medical doctors, ayurvedic physicians and homeopathic doctors.

The curriculum for this program was reviewed in 2012 by Dr. James S. Gordon, Director of the Center for Mind-Body Medicine Program at Georgetown University, former chair of the White House Commission on Complementary & Alternative Medicine, and a member of the Advisory Council for the NIH National Center for Complimentary & Alternative Medicine (NCCAM), and in 2004 by Dr. Joseph Jacobs, former director of NCCAM. Their comments and suggestions guided the curriculum that took effect in fall 2015.

Learning Outcomes for Holistic Health Majors

1. Students will demonstrate interdisciplinary knowledge of the behavioral and biological evolution, principles and scientific evidence for the healing claims of conventional allopathic medicine and of diverse multicultural alternative health care systems.
2. Students will develop integrative critical thinking and investigative and evaluative skills for making optimal health care choices through scientific comparison of healing and wellness claims of diverse health care models.
3. Students will demonstrate their competency as multilingual integrative health care translators who are fluent in the concepts, principles and integration of multicultural models of health care and who assist professionals in the comparison of diverse sources of evidence for healing claims.
4. Students will prepare for alternative and allopathic medical careers as integrative physicians, nurses, nurse practitioners, Chinese medical doctors, naturopaths, chiropractors, massage therapists, health research scientists, epidemiologists and health policy planners.

Required Courses

Core Courses (21 credits)

- AHS 1010 - Contemporary Health Issues **Credit(s): 3**
- BIO 2011 - Human Anatomy & Physiology I **Credit(s): 4**
- BIO 2012 - Human Anatomy and Physiology II **Credit(s): 4**
- SOC 1040 - Integrative Health & Professional Series **Credit(s): 1**
- SOC 3080 - Wellness & Alternative Medicine **Credit(s): 3**
- SOC 3230 - Alternative Medicine, Science & Disease **Credit(s): 3**
- SOC 4740 - Senior Integrative Health Care Seminar **Credit(s): 1**
- WAM 2030 - Wellness Lifestyle & Career Seminar **Credit(s): 1**

- AHS 4810 - Internship in Allied Health Science **Credit(s): 1-12** (Must be at least 1 credit)
OR
- ANT 4810 - Internship in Anthropology **Credit(s): 1-12** (Must be at least 1 credit)
OR
- SOC 4810 - Internship in Sociology (J) **Credit(s): 1-12** (Must be at least 1 credit)
OR
- WAM 4810 - Internship in Wellness & Alternative Medicine **Credit(s): 1-12** (Must be at least 1 credit)

Alternative Health Systems & Mind-Body Medicine (8 credits)

Choose 8 credits

- ANT 3140 - Yoga and Ayurveda: Science & Culture **Credit(s): 3**
- WAM 2010 - Native American Healing - The Lakota & Shamanic Traditions **Credit(s): 1**
- WAM 2020 - Chinese Medicine & Acupuncture I **Credit(s): 1**
- WAM 2040 - Introduction to Meditation **Credit(s): 1**
- WAM 2050 - Herbs: The Medicine Garden **Credit(s): 1**
- WAM 2060 - Naturopathic Medicine **Credit(s): 1**
- WAM 2070 - Massage & Bodywork **Credit(s): 1**
- WAM 2080 - Homeopathy I **Credit(s): 1**
- WAM 3020 - Chinese Medicine & Acupuncture II **Credit(s): 3**
- WAM 3040 - Mindfulness Meditation **Credit(s): 3**
- WAM 3050 - Herbalism, Wellness & Healing **Credit(s): 3**
- WAM 3070 - Massage, Science & Wellness **Credit(s): 3**
- WAM 3080 - Homeopathy II **Credit(s): 3**

Biology of Life (4 credits)

Choose one course

- BIO 1210 - Introduction to Biology **Credit(s): 4**
- BIO 1211 - Introduction to Biology: Ecology and Evolution **Credit(s): 4**
- BIO 1212 - Introduction to Biology: Cells and Genetic Basis **Credit(s): 4**

Chemistry (4 credits)

Choose one course

- CHE 1031 - General Chemistry I **Credit(s): 4**
- CHE 1055 - General, Organic and Biochemistry **Credit(s): 4**

Drugs, Herbs & Pharmacology (3 credits)

Choose one course

- AHS 3050 - Introduction to Pharmacology **Credit(s): 3**
- SOC 2050 - Drugs, Herbs & Society **Credit(s): 3**
- WAM 3030 - Applied Herbal Pharmacology **Credit(s): 3**

Healthcare & Healing Around the World (3 credits)

Choose one course

- ANT 4020 - Multicultural Health, Illness & Healing **Credit(s): 3**
- SOC 4030 - Global Health, Diversity & Policy **Credit(s): 3**
- WAM 3060 - Healing All Wounds: Global Humanitarian Aid and Warzone Medicine **Credit(s): 3**

Nutrition: The Biochemistry & Eco-Politics of Food and Diet (3 credits)

Choose one course

- BIO 3180 - Nutrition **Credit(s): 3**
- SOC 3240 - Nutrition, Food & Society **Credit(s): 3**
- WAM 3025 - Epigenetics: Diet, Lifestyle & Environment **Credit(s): 3**

Stress: Biopsychological Response & Wellness Lifestyle Choices (3 credits)

Choose one course

- AHS 4025 - Health Behavior: Change & Adherence **Credit(s): 3**
- AHS 4110 - Psychophysiology of Stress **Credit(s): 3**
- WAM 3010 - Living the Good Life **Credit(s): 3**

Total: 49 credits

Required & Recommended Electives for Graduate Study in Medicine

Students who intend to pursue graduate study to prepare for clinical medical careers (e.g., physician, nurse practitioner, midwife, physician assistant, nurse, naturopathic doctor, chiropractor, Chinese medical doctor) should take the following courses *and* check with their future post-graduate school to ensure they will meet all undergraduate requirements in order to apply for admission.

Required Electives

- CHE 1032 - General Chemistry II **Credit(s): 4**
- CHE 3111 - Organic Chemistry I **Credit(s): 4**
- CHE 3112 - Organic Chemistry II **Credit(s): 4**
- PHY 2031 - Fundamental Physics I **Credit(s): 4**
- PHY 2032 - Fundamental Physics II **Credit(s): 4**
- PSY 2070 - Developmental Psychology **Credit(s): 3**

Recommended Electives

- BIO 3130 - Cellular Biology: A Molecular Approach **Credit(s): 4**
- BIO 3140 - Introduction to Microbiology **Credit(s): 4**
- BIO 3220 - Genetics **Credit(s): 4**
- MAT 1531 - Calculus I **Credit(s): 4**
- MAT 2021 - Statistics **Credit(s): 3**

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* meet all other Degree Requirements, including the General Education Core Curriculum and NVU Graduation Standards.

Human Services (A.S.) - L

Minimum required credits for the program: 27

Core: (21 credits)

- PSY 1010 - Introduction to Psychology **Credit(s): 3**
Advised Term 1st Year
- PSY 1040 - Human Interaction **Credit(s): 3**
Advised Term 1st Year
- PSY 2070 - Developmental Psychology **Credit(s): 3**
Advised Term 1st Year
- PSY 2270 - Introduction to Human Services **Credit(s): 3**
Advised Term 2nd Year
- PSY 2410 - Research Methods in Psychology **Credit(s): 3**
Advised Term 2nd Year
- PSY 2811 - Field Work **Credit(s): 3**
Advised Term 2nd Year
- PSY 2812 - Field Work Seminar **Credit(s): 3**
Advised Term 2nd Year

Take 6 Credits From:

- PSY 1130 - Introduction to Substance Abuse **Credit(s): 3**

- PSY 3050 - Child Development **Credit(s): 3**
- PSY 3070 - Abnormal Psychology **Credit(s): 3**
- PSY 3080 - Macro Perspectives **Credit(s): 3**
- PSY 3090 - Lifespan Across Cultures **Credit(s): 3**
- PSY 3110 - Aging and Older Adulthood (L) **Credit(s): 3**
- PSY 3260 - Adolescent Development **Credit(s): 3**
- PSY 4145 - Responding to Psychological Trauma **Credit(s): 3**
- PSY 4150 - Understanding and Working with At-Risk Families **Credit(s): 3**
- PSY 4170 - Developmental Psychopathology **Credit(s): 3**
- PSY 4180 - Exploring Race & Challenging Racism in the US **Credit(s): 3**
- PSY 4215 - Substance-Abuse Treatment **Credit(s): 3**

Interdisciplinary Studies (B.A.) - J, O

The Interdisciplinary Studies major offers students the opportunity and challenge to create their own individually designed interdisciplinary programs. It gives students the tools to explore and understand connections and patterns: within and among disciplines; between self and the world; among different cultures. It seeks to give students knowledge of how great thinkers in various fields have tried to understand experience and use their learning to address problems and engage fully with life.

Learning Outcomes for Interdisciplinary Studies Majors

Students will be able to:	Evidence:
Connect their academic plan to their personal history and long-term goals.	Plan of Study narrative; reflection papers in capstone course.
Articulate a rationale for their three areas of study and justify the selection of courses in each of those areas.	Plan of Study narrative; plan of study.
Understand the nature and value of interdisciplinary study.	Capstone project; discussion and writing assignments in capstone course.
Demonstrate meaningful connections between their chosen areas of study.	Plan of Study narrative; capstone project; final reflection paper in capstone course.
Demonstrate depth of knowledge in the primary and secondary areas of study.	Completion of capstone course; capstone project; 21 upper-level credits in the major.
Experience and articulate meaningful connections between learning in the major and life outside the classroom.	Extended Classroom Experience (ECE); ECE reflection paper; career exploration assignment.

Requirements

Students must successfully complete a total of 42 credits, at least 21 of which must be upper-division, as follows:

- 18 credits in a primary area of study;
- 12 credits in a secondary, supporting area of study;
- 9 credits in a tertiary area of study; and
- 3-credit capstone course: INT 4610 - Senior Seminar in Interdisciplinary Studies
- An extended classroom experience, which may be credit or non-credit bearing, must be at least 20 hours in length. It can be completed through an existing course, internship, student teaching or service-learning experience.

Additional Stipulations

- At least 12 of the 42 credits required within the Interdisciplinary Studies major must be taken in the semester(s) after the Plan of Study has been approved.
- Education majors seeking licensure who are using Interdisciplinary Studies as their second major will need to choose their primary and secondary areas of study in a fashion that meets state licensure requirements.
- A grade of C- or higher must be earned in all courses counted toward the 42 credits for the major.
- In general, courses such as Student Teaching in Education, which are specifically aimed at career preparation, are not appropriate for inclusion in the 42 credits for the Interdisciplinary Studies degree.

Becoming an Interdisciplinary Studies Major

A student interested in becoming an Interdisciplinary Studies major on campus will first contact the Advising & Registration Center and be assigned an advisor on the Interdisciplinary Studies Committee (ISC). In the case of the NVU Online (EDP/DL), the student will be assigned an advisor in his or her community upon entering EDP/DL. The student and advisor will initially explore together the student's interests and identify relationships between different disciplines or clusters of disciplines which the student would like to explore more deeply. With the advisor's assistance and support, the student will write a program proposal that describes in detail the relationships between two or more areas of study. Members of the ISC, who may recommend clarifications or changes, will review the written program proposal, together with the student's transcript and a completed Plan of Study. Once the program proposal has been approved, the student is officially an Interdisciplinary Studies major. The advisor and/or other members of the ISC or EDP/DL staff will continue to work with the student during her/his progress toward a degree.

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* meet all other Degree Requirements, including the General Education Core Curriculum and NVU Graduation Standards.

Journalism (B.A.)-J

This multi-disciplinary program prepares students for a career in print and digital journalism. It provides a strong, practical background in the best practices of news and feature writing, investigative reporting, photojournalism, professional applications of social media, and digital media technology. Students are also immersed in the ethics and history of journalism as both a profession and a calling, understanding the rights and responsibilities of a free press in a democratic society.

Learning Outcomes:

1. Students will understand and apply best practices to their professional work.
2. Students will gain competency in a variety of media platforms applicable to both print and web.
3. Students will achieve proficiency in journalistic processes, including interviewing techniques, research, story structure, photography, AP style, and writing concisely, clearly, and accurately.
4. Students will understand the strengths and limitations of social media and apply that knowledge professionally.

5. Students will learn to work under the pressure of constant deadlines.
6. Students will understand mass media theories as they apply to a rapidly changing media landscape.
7. Students will understand the importance of a free press in fostering civic engagement and a healthy democracy.

Required Courses

Core Courses (30 credits)

- ENG 2051 - Introduction to Journalism **Credit(s): 3**
- ENG 2052 - News Publishing **Credit(s): 3**
- ENG 3020 - Feature Writing **Credit(s): 3**
- ENG 3022 - Advanced News Publishing **Credit(s): 3** (repeatable for additional credit)
- ENG 4010 - Media Ethics **Credit(s): 3**
- ART 2110 - Introduction to Digital Media **Credit(s): 3**
- SOC 3130 - Mass Media & Society **Credit(s): 3**
- ENG 4810 - Internship (J) **Credit(s): 1-12** (minimum of 3 credits required)

Electives (15 credits)

- ART 2301 - Photography I (J) **Credit(s): 3**
- ART 4020 - Advanced Digital Media **Credit(s): 3**
- ART 4040 - Advanced Photography **Credit(s): 3**
- BUS 2015 - Fundamentals of Management in Business **Credit(s): 3**
- BUS 2230 - Principles of Marketing **Credit(s): 3**
- BUS 3272 - Social-Media Marketing **Credit(s): 3**
- ECO 2060 - Survey of Economics **Credit(s): 4**
- Any ENG 2000-level Literature Survey Course (3 credits)
- ENG 4130 - The Form & Theory of Nonfiction **Credit(s): 3**
- ENG 4160 - Investigative Journalism **Credit(s): 3**
- HIS 1212 - American History II **Credit(s): 3**
- POS 1020 - American Politics and Government **Credit(s): 3**

Total: 45 credits

Liberal Studies (B.A.) - L

Minimum required credits for the program: 47 - 48

Requirements for the program

- No more than a total of 6 credits can be taken as Independent Study.
- Co-op, field experience, and practicum credits may not be used for Liberal Studies.
- College Skills courses may not be double-counted for Liberal Studies.
- At most 10 credits may be double counted for General Education Distribution and program requirements.

Students taking Liberal Studies as a second major for Elementary Education should attend to the following points:

- Take MAT 1060 and MAT 2010 to fulfill (or in addition to) the College Skills Mathematics requirements.
- Include an additional MAT class in your course of study, especially if pursuing the Interdisciplinary concentration.
- Include both a literature and a writing class from ENG in your course of study (EDU 3110 may be counted as the literature class).
- Include geography, political science/government, and pre-WWII American history classes in your course of study.

All Liberal Studies students are encouraged to take foreign language courses and SSC 2020 Experience the World as electives to supplement the requirements of the program.

Core: (32 Credits)

- 3 credits from any 1000- or 2000- level CIS, MAT courses
- 6 credits from two different disciplines among any 1000- or 2000-level ARH, ART, FLM, MUS, THA courses (not including MUS 2220, THA 2840, or THA-2845).
- 6 credits from two different disciplines among ENG 1310, any 2000-level ENG, any 1000- or 2000-level HIS, PHI 1010, or any 2000-level PHI.
- 8 credits from two different disciplines among any 1000- or 2000-level lab science from ATM, BIO, CHE, ENV, GEY, and PHY courses.
- 6 credits from two different disciplines among ANT 1030, any 1000- or 2000-level POS, ECO, GEO, SOC or PSY courses (not including PSY 1040, PSY 2270, PSY 2811, and PSY 2812).
- LIB 4810 Liberal Studies Thesis or both EDU 4250 and EDU 4730

Concentrations: (15 - 16 credits)

Fine and Performing Arts

- 15 credits (must include at least nine credits at the 3000- or 4000-level) from ARH, ART, FLM, MUS, THA courses (not including MUS 2220, THA 2840, THA 2845, THA 4210, or THA 4810) or LIB 4801.

Humanities

- 15 credits (must include at least nine credits at the 3000- or 4000-level) from ENG, HIS, or PHI courses, or EDU 3110 (not including PHI-1050) or LIB 4801.

Mathematics and Computer Science

- 15 credits (must include at least nine credits at the 3000- or 4000-level) from CIS or MAT courses or LIB 4801.

Natural Science

- 12 credits (must include at least four credits at the 3000- or 4000-level) from ATM, BIO, CHE, ENV, GEY, PHY, or SCI courses or LIB 4801.
- SCI 4010

Social Science

- 15 credits (must include at least nine credits at the 3000- or 4000-level) from ANT, GEO, POS, SOC, ECO, PSY, or 3000- 4000-level SSC courses (not including PSY 1040, PSY 2270, PSY 2811, PSY 2812, PSY 3080, PSY 3811, PSY 4151, PSY 4720, PSY 4820, PSY 4921, PSY 4922, SSC 4720, or SSC 4740) or LIB 4801.

Interdisciplinary

- 15 - 16 credits (must include at least eight credits at the 3000- or 4000-level) from the concentrations listed above.

Mathematics (A.S.) - J

This two-year program exposes students to the core principles of mathematics, mathematical thinking, and data driven decision making with statistics. It also provides a strong mathematical foundation for future studies at the bachelor's level.

Required Courses

Core Courses (17 credits)

- MAT 1080 - Introduction to Quantitative Reasoning **Credit(s): 3**
- MAT 1531 - Calculus I **Credit(s): 4**
- MAT 2020 - Mathematical Reasoning **Credit(s): 3**
- MAT 2021 - Statistics **Credit(s): 3**
- MAT 2532 - Calculus II **Credit(s): 4**

Electives (Minimum of 11 credits)

(Complete 11 or more credits)

See any of the mathematics faculty for guidance selecting courses aligned with your goals; note that some courses will incur additional credit requirements due to prerequisites, although these courses may fulfill General Education Requirements.

- MAT 1020 - Intermediate Algebra **Credit(s): 3**
- MAT 1221 - Finite Mathematics **Credit(s): 3**
- MAT 1410 - Pre-Calculus **Credit(s): 4**
- MAT 2810 - Internship in Mathematics **Credit(s): 1-12**
- MAT 2910 - Independent Study in Mathematics **Credit(s): 1-12**
- MAT 3040 - Geometrical Reasoning **Credit(s): 3**
- MAT 3210 - Linear Algebra **Credit(s): 3**
- MAT 3240 - Probability Theory with Statistics **Credit(s): 3**
- MAT 3310 - Differential Equations **Credit(s): 3**
- MAT 3533 - Calculus III **Credit(s): 4**
- MAT 4130 - Abstract Algebra **Credit(s): 3**
- MAT 4140 - Geometry **Credit(s): 3**
- MAT 4710 - Special Topics in Mathematics **Credit(s): Variable**
- CIS 2271 - Java Programming **Credit(s): 3**
- ECO 2060 - Survey of Economics **Credit(s): 4**
- POS 3025 - Research Design & Analysis **Credit(s): 3**
- PSY 2410 - Research Methods in Psychology **Credit(s): 3**

Total: 28 credits

General Education Curriculum Requirements (32 credits)

General Education Curriculum Requirements for an Associate's Degree in Mathematics include the following:

First Year Seminar (3 cr.)

Creative Audience (2 semesters at .5 cr. each semester)

Natural Science with a Lab (4 cr.)

Written Expressin (6 cr.)

Aesthetic Perspective (6 cr.)

Global Perspective (6 cr.)

Social & Historical Perspective (6 cr.)

Please refer to the links under "Important" below for more information.

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* meet all other Degree Requirements, including the General Education Core Curriculum and NVU Graduation Standards.

Mathematics (B.A.) - L

Minimum required credits for the program: 40

Mathematics majors are encouraged to complete a minor in another discipline or have a supportive area approved by the department.

Requirements for the program

Core Courses (34-37 Credits)

- MAT 1430 - Trigonometry for Calculus **Credit(s): 1**
Advised Term 1st Year
- MAT 2021 - Statistics **Credit(s): 3**
Advised Term 1st Year
- MAT 2544 - Vector Calculus **Credit(s): 1**
Advised Term 2nd Year
- MAT 2820 - Mathematics Tutoring Practicum **Credit(s): 2-4**
Advised Term 2nd Year
- MAT 3210 - Linear Algebra **Credit(s): 3**
Advised Term 2nd Year
- MAT 3310 - Differential Equations **Credit(s): 3**
Advised Term 3rd Year

- MAT 3533 - Calculus III **Credit(s): 4**
Advised Term 3rd Year
- MAT 3730 - Topics in Differential Equations **Credit(s): 3**
Advised Term 3rd Year
- MAT 4040 - Complex Analysis **Credit(s): 3**
Advised Term 4th Year
- MAT 4120 - Numerical Analysis **Credit(s): 3**
Advised Term 4th Year
- MAT 4990 - Senior Seminar **Credit(s): 1**
Advised Term 4th Year

Elective Courses (6 Credits)

Students must take at least 6 credits from MAT, CIS, ATM, PHY, and/or other courses approved by the department. These could include practicum and/or internships. If MAT 2820, Mathematics Tutoring Practicum, is used to satisfy this requirement, at least 4 credits must involve tutoring courses at the 3000/4000 level.

Mathematics (B.S.) - J

The B.S. in mathematics provides students with an opportunity to study one of western civilization's oldest and richest disciplines. In addition to the intrinsic value of the study of mathematics as a liberal art, the mathematics degree provides the foundation for a variety of careers in business, scientific and related fields. Students desiring preparation for a high school teaching career may also earn secondary mathematics teaching licensure.

Learning Outcomes for Mathematics Majors

The mathematics program aims to produce graduates who are knowledgeable and skillful users and communicators of mathematics. The learning outcomes are broken into two categories: content knowledge outcomes and capstone outcomes. The content knowledge outcomes are assessed by the Core Assessment Exam, which students take after they have completed the required core courses in the major. The capstone outcomes are assessed when students present their senior projects.

Content Knowledge Outcomes

Upon completion of the core requirements, students will be able to:

Calculus I:

- apply the limit definition of the derivative and use it to calculate the instantaneous rate of change of a function.
- calculate the derivative of any algebraic or transcendental function.
- use the derivative to solve real-world problems.
- apply the Fundamental Theorem of Calculus.

Calculus II:

- apply integration techniques to a variety of algebraic and transcendental functions.
- use the definite integral (and limits of sums) to solve real-world problems.
- determine whether an infinite series converges and, when possible, find its sum.

Linear Algebra:

- use matrices to solve real-world problems

- use the RREF form of a matrix in a variety of ways (including solving systems of linear equations; testing for linear independence, spanning, and to determine whether a set of vectors forms a basis; finding eigenvectors)
- prove some basic properties of matrices, vectors and linear transformations

Statistics:

- apply the normal or binomial distribution to solve certain probability problems.
- calculate probabilities and apply them to determine the unusualness of events.
- create and use descriptive statistics to summarize, analyze and compare data sets.
- explain the importance of random/probability sampling.

Mathematical Reasoning:

- apply the working tools of predicate logic.
- construct a lucid mathematical proof that demonstrates the logic while using proper grammar and precise mathematical notation.
- explore complex and unfamiliar mathematical ideas while effectively communicating these ideas both orally and in writing.

Capstone Outcomes:

Students will:

- be able to explain main ideas of mathematics clearly, in writing and orally.
- develop the ability to read mathematics independently.
- deepen their own mathematical knowledge by applying previous mathematical learning to new mathematical thinking, concepts and ideas.

Required Courses

Core Courses (17 credits)

Students must pass a core assessment examination upon completion of the core requirements.

- MAT 1531 - Calculus I **Credit(s): 4**
- MAT 2020 - Mathematical Reasoning **Credit(s): 3**
- MAT 2021 - Statistics **Credit(s): 3** (or MAT 2030 - Probability & Statistics, if taken and passed prior to Fall 2018)
- MAT 2532 - Calculus II **Credit(s): 4**
- MAT 3210 - Linear Algebra **Credit(s): 3**

Other Required Courses (6-7 credits)

- PHY 2031 - Fundamental Physics I **Credit(s): 4** **OR**
- CIS 2271 - Java Programming **Credit(s): 3**

AND

- INT 3150 - Gödel, Escher, Bach: An Eternal Golden Braid **Credit(s): 3**
(Required for students seeking teaching endorsement in math)

Elective Courses (Minimum of 15 credits)

(Take at least 15 credits)

- MAT 3240 - Probability Theory with Statistics **Credit(s): 3 ***
- MAT 3310 - Differential Equations **Credit(s): 3**
- MAT 3533 - Calculus III **Credit(s): 4**
- MAT 4130 - Abstract Algebra **Credit(s): 3 ***
- MAT 4140 - Geometry **Credit(s): 3 ***
- MAT 4710 - Special Topics in Mathematics **Credit(s): Variable**

*The above courses with an asterisk are all required for Secondary Teaching Endorsement in Mathematics Education.

Capstone Requirement (3 credits)

- MAT 4930 - Senior Project in Mathematics **Credit(s): 3** (Required for students seeking teaching endorsement in math)

Total: 41-42 credits

Students must earn a grade of C or better in each of the required core courses and in each of the elective courses used to satisfy their degree program requirements.

Note: *It is also recommended that students take a course in economics.*

Secondary Teaching License in Mathematics

Students pursuing licensure endorsement to teach mathematics in grades 7-12 must successfully complete either the Mathematics (B.S.) - J as well as specific teacher-education coursework and requirements. Please refer to the Secondary Teacher License Endorsement - J section for details.

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* meet all other Degree Requirements, including the General Education Core Curriculum and NVU Graduation Standards.

Media Arts (B.A.) - J

The B.A. in Media Arts will expose students to the full range of career opportunities through the media arts, with fewer credits than the B.F.A. in Media Arts. Students wanting to double-major might find this option more achievable. The B.A. in Media Arts will offer opportunities to explore the world of media and expression with emphases upon creative inquiry, collaboration, and adaptation to emerging technologies. Students will increase their familiarity with artistic and theoretical concepts associated with media and how it relates to many other academic disciplines.

Required Courses

Core Courses (18 credits)

- ARH 2010 - Survey of Western Traditions in Art **Credit(s): 3**
- ARH 2060 - Survey of Non-Western Traditions in Art **Credit(s): 3**

- ARH 3075 - History of Media Art **Credit(s): 3**
- ART 1011 - Drawing I (J) **Credit(s): 3**
- ART 1140 - Design I **Credit(s): 3**
- ART 2110 - Introduction to Digital Media **Credit(s): 3**

Studio Elective (3 credits)

(Choose one course)

- ART 2211 - Painting I (J) **Credit(s): 3**
- ART 2251 - Sculpture I (J) **Credit(s): 3**
- ART 2301 - Photography I (J) **Credit(s): 3**

Advanced Art History Elective (3 credits)

(Choose one course)

- ARH 3015 - Greek & Roman Art **Credit(s): 3**
- ARH 3020 - Art of the Renaissance **Credit(s): 3**
- ARH 3060 - Twentieth Century Art **Credit(s): 3**
- ARH 3110 - The Spiritual in Non-Western Art **Credit(s): 3**
- ARH 3120 - Art Criticism **Credit(s): 3**
- ARH 3130 - The History of Photography **Credit(s): 3**
- ARH 3140 - African Art **Credit(s): 3**
- ARH 3150 - Art of the Human Body **Credit(s): 3**
- ARH 3210 - Women in Art **Credit(s): 3**

Advanced Non-Media Studio Electives (3 credits)

(Choose one course)

- ART 3031 - Life Drawing (J) **Credit(s): 3**
- ART 3032 - Advanced Drawing **Credit(s): 3**
- ART 3040 - Landscape Painting **Credit(s): 3**
- ART 3222 - Ceramics II **Credit(s): 3**
- ART 3314 - Advanced Printmaking **Credit(s): 3**
- ART 3320 - Monoprints **Credit(s): 3**
- ART 4007 - Graphic Novels **Credit(s): 3**
- ART 4040 - Advanced Photography **Credit(s): 3**
- ART 4050 - Advanced Painting **Credit(s): 3**
- ART 4110 - Visual Art & Performance **Credit(s): 3**
- ART 4130 - Advanced Sculpture **Credit(s): 3**

Advanced Media Electives (12 credits)

(Choose four courses)

- ART 4020 - Advanced Digital Media **Credit(s): 3**

- ART 4025 - Advanced Digital Media: Documentary & Social Media **Credit(s): 3**
- ART 4060 - Advanced Digital: Graphic Design **Credit(s): 3**
- ART 4070 - Advanced Digital: Web Design for Artists **Credit(s): 3**
- ART 4075 - Advanced Digital: Animation & Motion Graphics **Credit(s): 3**
- ART 4080 - Advanced Digital Media: Intermedia **Credit(s): 3**
- ART 4150 - Advanced Digital: Video **Credit(s): 3**

Required Capstone Courses (6 credits)

- ARH 4720 - Seminar in Contemporary Art Issues **Credit(s): 3**
ART-XXXX Professional Skills for Media Artists (currently under development)

Total: 45 credits

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* meet all other Degree Requirements, including the General Education Core Curriculum and NVU Graduation Standards.

Media Arts (B.F.A.) - J

The B.F.A. in Media Arts offers opportunities to explore the expanding world of media and expression. Emphases include creative inquiry, collaboration and adaptation to emerging technologies. Courses include image processing, animation, video and new media. The program requires 60 credit hours in visual, performing or interdisciplinary-related coursework. Students begin with introductory courses intended to increase their familiarity with artistic and theoretical concepts associated with media and art. As students progress through the program, they are required to take more specialized courses. Seniors are required to create a B.F.A. thesis exhibition for public display. Once admitted into the B.F.A. program via their B.F.A. review, students must achieve grades of B- or higher in all ART and ARH courses.

This program includes lectures, lab hours, collaborative projects and public presentations. Students are immersed in the Media Arts Research Studio (MARS), which houses state-of-the-art hardware, software and printing services. Admission to the program (generally in the sophomore or junior year) must be followed by a minimum of three semesters of studio work before the thesis exhibition. A student is admitted into the program only upon recommendation by the studio arts faculty and approval by the chairperson, following a successful portfolio review. Once admitted into the B.F.A. program via their B.F.A. review, students must achieve grades of B- or higher in all ART and ARH courses. All majors must participate in the monthly B.F.A. critiques held in the Visual Arts Center Gallery on the NVU-Johnson campus.

Each candidate for the B.F.A. must present a senior thesis and talk during the final year of study. This thesis is prepared under the guidance and supervision of the art faculty and must demonstrate proficiency in the chosen area of concentration.

Learning Outcomes

Graduating students should be able to:

1. Develop language and techniques for creating and critiquing media.
2. Learn how to use computers and software for creative purposes.
3. Learn a variety of conceptual, design and experimental art-based principles.
4. Introduce the history and criticism surrounding new media.
5. Discover more about themselves and methods of self-expression through art and media.

Required Courses

Core Courses (21 credits)

- ARH 2010 - Survey of Western Traditions in Art **Credit(s): 3**
- ARH 2060 - Survey of Non-Western Traditions in Art **Credit(s): 3**
- ART 1011 - Drawing I (J) **Credit(s): 3**
- ART 2110 - Introduction to Digital Media **Credit(s): 3**
- ART 2211 - Painting I (J) **Credit(s): 3**
- ART 2251 - Sculpture I (J) **Credit(s): 3**
- ART 2301 - Photography I (J) **Credit(s): 3**

Advanced Art History Electives (6 credits)

(Take ARH-3075 and one additional course)

- ARH 3075 - History of Media Art **Credit(s): 3**
- ARH 3015 - Greek & Roman Art **Credit(s): 3**
- ARH 3020 - Art of the Renaissance **Credit(s): 3**
- ARH 3060 - Twentieth Century Art **Credit(s): 3**
- ARH 3110 - The Spiritual in Non-Western Art **Credit(s): 3**
- ARH 3120 - Art Criticism **Credit(s): 3**
- ARH 3130 - The History of Photography **Credit(s): 3**
- ARH 3140 - African Art **Credit(s): 3**
- ARH 3150 - Art of the Human Body **Credit(s): 3**
- ARH 3210 - Women in Art **Credit(s): 3**

Advanced Non-Media Studio Electives (6 credits)

(Select two different courses)

- ART 3031 - Life Drawing (J) **Credit(s): 3**
- ART 3032 - Advanced Drawing **Credit(s): 3**
- ART 3040 - Landscape Painting **Credit(s): 3**
- ART 3222 - Ceramics II **Credit(s): 3**
- ART 3314 - Advanced Printmaking **Credit(s): 3**
- ART 3320 - Monoprints **Credit(s): 3**
- ART 4007 - Graphic Novels **Credit(s): 3**
- ART 4040 - Advanced Photography **Credit(s): 3**
- ART 4050 - Advanced Painting **Credit(s): 3**
- ART 4110 - Visual Art & Performance **Credit(s): 3**
- ART 4130 - Advanced Sculpture **Credit(s): 3**

Advanced Media Electives (15 credits)

(Select five different courses)

- ART 4020 - Advanced Digital Media **Credit(s): 3**
- ART 4025 - Advanced Digital Media: Documentary & Social Media **Credit(s): 3**
- ART 4060 - Advanced Digital: Graphic Design **Credit(s): 3**
- ART 4070 - Advanced Digital: Web Design for Artists **Credit(s): 3**
- ART 4075 - Advanced Digital: Animation & Motion Graphics **Credit(s): 3**
- ART 4080 - Advanced Digital Media: Intermedia **Credit(s): 3**
- ART 4150 - Advanced Digital: Video **Credit(s): 3**

Extended Media Experience (3 credits)

(Select one ART 4110 - Visual Art & Performance course)

- ART 4810 - Internship in Art **Credit(s): 1-12**
- ENV 3310 - Applications in GIS **Credit(s): 4**
- MUS 2160 - Introduction to Technology in Music **Credit(s): 2**

Required Capstone Courses (9 credits)

- ARH 4720 - Seminar in Contemporary Art Issues **Credit(s): 3**
- ART 4120 - B.F.A. Project & Exhibit **Credit(s): 3**
- ART 4730 - B.F.A. Seminar **Credit(s): 3**

Total: 60 credits

- *Grades for ART 4120 - B.F.A. Project & Exhibit will be determined by the thesis advisor in consultation with the full department.*
- *Once admitted into the BFA program via their BFA Review, students must achieve grades of B- or higher in all ART and ARH courses.*

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* meet all other Degree Requirements, including the General Education Core Curriculum and NVU Graduation Standards.

Mountain Resort Management (A.S.) - L

Minimum Credits Required for Program: 30 Credits

Core (21 Credits)

- BUS 1210 - Business Software and Spreadsheets **Credit(s): 3**
- ENV 1080 - Introduction to Environmental Science **Credit(s): 4**
- OEL 1010 - Leisure and Tourism in Society **Credit(s): 3**
- OEL 1080 - Leadership and Small Group Dynamics **Credit(s): 3**
- OEL 1140 - Introduction to Mountain Resort Management **Credit(s): 3**
- OEL 1810 - Outdoor Education Practicum **Credit(s): 3**

- OEL 2230 - Mountain Resort Software Technologies **Credit(s): 3**

Elective Credits (9-10 Credits)

Choose 3 of the following:

- OEL 2050 - Outdoor Emergency Care **Credit(s): 4**
- OEL 2210 - Lift Functions and Maintenance **Credit(s): 3**
- OEL 2852 - Snow Maintenance **Credit(s): 3**
- OEL 2855 - Summer Mountain Operations **Credit(s): 3**

Multidisciplinary Studies for Inclusive Teaching (B.S.) - L

Requirements for the program (core plus at least one concentration)

Major Requirements: 96 -110 Credits

Core (83 Credits)

* Select courses can double count between General Education Requirements and the Core Requirements

Students seeking licensure must complete at least 8 credits of upper-level (3000-4000) liberal studies courses (ENG, PSY, POS, GEO, HIS, MAT, SCI or related science disciplines). Any student who does not meet this requirement must take an additional upper-level liberal studies course as approved by his/her advisor.

Language & Literacy (15 Credits)

- ENG 2540 - Global English: Forms, Roles & Issues **Credit(s): 3**
- 3000 Level English Course Credits: 3
- EDU 3350 - Foundations of Language and Literacy Instruction **Credit(s): 3**
- EDU 3540 - Teaching Literacy in the Elementary Classroom **Credit(s): 3**
- EDU 3750 - Literature for Children **Credit(s): 3**

Social Sciences (14 Credits)

- PSY 3050 - Child Development **Credit(s): 3**
- POS 1020 - American Politics and Government **Credit(s): 3**
- GEO 1010 - Introduction to Geography **Credit(s): 3**
- HIS 1211 - American History I **Credit(s): 3**
- EDU 3530 - Social Science Methods **Credit(s): 2**

Science & Mathematics (24 Credits)

In addition to the courses below, students must take three (3) elective credits in Mathematics and two (2) four-credit elective Science courses.

- MAT 2010 - Number Systems **Credit(s): 3**
- MAT 3025 - Math in Elementary School **Credit(s): 3**
- SCI 2310 - Physical Science in the Classroom **Credit(s): 4**
- EDU 3525 - Teaching Math and Science **Credit(s): 3**

Inclusive Education (30 Credits)

- EDU 1025 - Introduction to the Major **Credit(s): 3**
Advised Term 1st Year
- EDU 2010 - Foundations of Education **Credit(s): 3**
Advised Term 1st Year
- EDU 2120 - Children with Disabilities **Credit(s): 3**
Advised Term 1st/2nd Year
- EDU 2270 - Classroom and Behavior Management **Credit(s): 3**
Advised Term 2nd Year
- EDU 2315 - Technology in the Classroom **Credit(s): 1**
Advised Term 2nd Year
- EDU 3020 - Educational Psychology **Credit(s): 3**
Advised Term 2nd Year
- EDU 3185 - Differentiated Instruction & Assessment **Credit(s): 3**
Advised Term 3rd Year
- EDU 3730 - Educational Laws & Regulations **Credit(s): 1**
Advised Term 3rd Year
- EDU 3825 - Teaching Over Time: Curriculum Development **Credit(s): 3**
Advised Term 3rd Year
- EDU 4475 - Teaching Apprenticeship **Credit(s): 6**
Advised Term 3rd Year
- EDU 4730 - Student Teaching Seminar **Credit(s): 2**
Advised Term 4th Year

Non-Licensure Concentration (15 Credits)

Students completing this concentration would not be eligible for VT licensure

- LIB 4810 - Liberal Studies Thesis **Credit(s): 3**
- EDU 4730 - Student Teaching Seminar **Credit(s): 2**

Elementary Education Concentration (13 Credits)

Students completing this concentration would be eligible for elementary education (K-6) licensure in VT

- EDU 4811 - Teaching Elementary Education **Credit(s): 7-12**
- EDU 4250 - e-Portfolio Development **Credit(s): 1**

Early Childhood Education Concentration (22 Credits)

Students completing this concentration would be eligible for licensure in early childhood education (age 3 - grade 3) and elementary education (K-6) licensure in VT

- EDU 1030 - Introduction to Early Childhood Education **Credit(s): 3**
Advised Term 1st Year
- EDU 3830 - Early Childhood Techniques **Credit(s): 3**
Advised Term 3rd Year
- EDU 4080 - Language & Literacy in Early Childhood Classrooms **Credit(s): 3**
Advised Term 4th Year
- EDU 4811 - Teaching Elementary Education **Credit(s): 7-12**
Advised Term 4th Year
- EDU 4250 - e-Portfolio Development **Credit(s): 1**
Advised Term 4th Year

Special Education Concentration (25 Credits)

Students completing this concentration would be eligible for licensure in special education (K-8) in VT

- EDU 4070 - Teaching Students with Special Needs: Elementary Emphasis **Credit(s): 3**
Advised Term 3rd Year
- EDU 4450 - Assessment of Exceptional Students **Credit(s): 3**
Advised Term 3rd or 4th Year
- EDU 4460 - Emotional and Behavioral Disabilities **Credit(s): 3**
Advised Term 4th Year
- EDU 4580 - Reading Disabilities I **Credit(s): 3**
Advised Term 3rd Year
- EDU 4880 - Teaching Special Education **Credit(s): 7-12**
Advised Term 3rd or 4th Year
- EDU 4250 - e-Portfolio Development **Credit(s): 1**
Advised Term 4th Year

Music Business and Industry (A.S.) - L

Minimum required credits for the program: 31-32

Required Courses: (22 credits)

- BUS 2015 - Fundamentals of Management in Business **Credit(s): 3**
- BUS 2230 - Principles of Marketing **Credit(s): 3**
- MBI 1025 - First-Year Music Seminar **Credit(s): 3**
- MBI 1360 - Introduction to the Music Industry **Credit(s): 3**
- MBI 2420 - Artist Management and Development **Credit(s): 3**
- MUS 2410 - Collaborative Creativity in Music **Credit(s): 1**

Choose one of the following:

- MBI 3210 - Music Publishing **Credit(s): 3**
- MBI 4220 - Entrepreneurship in the Music Industry **Credit(s): 3**

Choose one of the following:

- MUS 1085 - Elements of Music **Credit(s): 3**
- MUS 1041 - Class Piano I **Credit(s): 3**

Choose one Focus Area:

Audio Engineering Focus

9 Credits

- MBI 2160 - Digital Recording Techniques **Credit(s): 3**
- MBI 2170 - Introduction to Audio Engineering **Credit(s): 3**

Choose one of the following:

- MBI 3180 - Live Sound Reinforcement **Credit(s): 3**
- MBI 3220 - Advanced Audio Production **Credit(s): 3**

Music & Self-Promotion Focus

10 Credits

- MUS 1431 - Music Theory I and Ear Training **Credit(s): 3**
- MUS 2070 - Basic Songwriting **Credit(s): 3**

Choose one of the following options:

- MBI 2315 - Record Label Practicum: Production **Credit(s): 2**
AND
- MBI 2325 - Record Label Practicum: Marketing **Credit(s): 2**

OR

- MUS 3055 - Rock and Roll: Form and Style **Credit(s): 4**

Music Management Focus

9 Credits

- BUS 1210 - Business Software and Spreadsheets **Credit(s): 3**
- BUS 3131 - Business Law I **Credit(s): 3**

Choose one of the following:

- MBI 3310 - Event Management and Promotion **Credit(s): 3**
- MBI 3330 - Venue Management **Credit(s): 3**

Music Business and Industry (B.S.) - L

Minimum required credits for the program: 60-63

Requirements for the program: Core and a Concentration.

Core: (38 Credits)

- BUS 2015 - Fundamentals of Management in Business **Credit(s): 3**

- BUS 3131 - Business Law I **Credit(s): 3**
- MBI 1025 - First-Year Music Seminar **Credit(s): 3**
- MBI 1360 - Introduction to the Music Industry **Credit(s): 3**
- MBI 3210 - Music Publishing **Credit(s): 3**
- MBI 4220 - Entrepreneurship in the Music Industry **Credit(s): 3**
- MBI 4720 - Professional Development Seminar **Credit(s): 3**
- MBI 4810 - Music and Performing Arts Internship **Credit(s): 1-6 (6 credits of MBI 4810 are required)**
- MUS 1085 - Elements of Music **Credit(s): 3**
Note: If MUS 1085 is waived by evaluation, students must choose a replacement course from MUS 1041, MUS 1042, MUS 1431, MUS 2280, MUS 2341, MUS 2342, or MUS 3342. Students in the Music & Self-Promotion Concentration may not use MUS 1431 as a replacement for MUS 1085 in the core.
- MUS 2410 - Collaborative Creativity in Music **Credit(s): 1 (2 credits of MUS 2410 are required)**

Choose One of the Following:

- MUS 3330 - Worlds of Music **Credit(s): 3**
- MUS 3350 - Music of the Americas (L) **Credit(s): 3**

Concentrations

Music Management Concentration: (22-23 credits)

- ACC 2121 - Financial Accounting **Credit(s): 4**
- BUS 1210 - Business Software and Spreadsheets **Credit(s): 3**
- BUS 2140 - Personal Finance **Credit(s): 3**
- MBI 2420 - Artist Management and Development **Credit(s): 3**

Choose one of the following:

- MBI 3310 - Event Management and Promotion **Credit(s): 3**
- MBI 3330 - Venue Management **Credit(s): 3**

Choose one of the following options:

Take these two courses

- MBI 2315 - Record Label Practicum: Production **Credit(s): 2**
- MBI 2325 - Record Label Practicum: Marketing **Credit(s): 2**

OR

Take this course

- MBI 3420 - Contemporary Issues in Music Management **Credit(s): 3**

Choose one of the following:

- BUS 2230 - Principles of Marketing **Credit(s): 3**
- BUS 3240 - Global Business **Credit(s): 3**
- BUS 3250 - Organizational Behavior & Management **Credit(s): 3**

Music & Self-Promotion Concentration: (22-23 credits)

- BUS 2230 - Principles of Marketing **Credit(s): 3**
- MBI 2420 - Artist Management and Development **Credit(s): 3**
- MUS 1431 - Music Theory I and Ear Training **Credit(s): 3**
- MUS 2070 - Basic Songwriting **Credit(s): 3**
- MUS 2430 - Music Theory II and Ear Training **Credit(s): 3**
- MUS 3055 - Rock and Roll: Form and Style **Credit(s): 4**

Choose at least 3 credits from:

- MBI 2315 - Record Label Practicum: Production **Credit(s): 2**
- MBI 2325 - Record Label Practicum: Marketing **Credit(s): 2**
- MUS 1730 - Special Performance **Credit(s): 1**
- MUS 2220 - Music Ensembles **Credit(s): 1**
- MUS 2740 - Music Studies Seminar **Credit(s): 3**

Audio Production Concentration: (24-25 credits)

Students in this concentration must take MAT-1020 (Intermediate Algebra) and PHY 2010 (Introduction to Electricity and Electronics), and are encouraged to do so to fulfill General Education Core Curriculum requirements.

- MBI 2160 - Digital Recording Techniques **Credit(s): 3**
- MBI 2170 - Introduction to Audio Engineering **Credit(s): 3**
- MBI 2171 - Hybrid Mixing Techniques **Credit(s): 3**
- MBI 3170 - Recording and Post-Production Techniques **Credit(s): 3**
- MBI 3180 - Live Sound Reinforcement **Credit(s): 3**
- MBI 3220 - Advanced Audio Production **Credit(s): 3**
- MBI 4040 - Auditory Perception and Psychoacoustics **Credit(s): 3**

Choose one of the following options:

Take these two courses

- MBI 2315 - Record Label Practicum: Production **Credit(s): 2**
- MBI 2325 - Record Label Practicum: Marketing **Credit(s): 2**

OR

Take this course

- MBI 3430 - Contemporary Issues in Audio Production **Credit(s): 3**

In cooperation with NVU Lyndon's Business Department, and in addition to the BS in Music Business & Industry, students are encouraged to pursue one of the following:

Business Minor

Marketing Minor

AS in Business Administration

Music Education (B.M.E.) - J

The Music Education major assists students with the application for State of Vermont Certification for all specializations in Music, grades PK-12. This program guides students through the licensure procedures from the earliest levels of their collegiate education through to the completion of the student teaching internship, and includes requirements in instrumental, choral, and general music methods. The hallmark of the program is the comprehensive nature of the major supported by strong curricular sequencing of the course work.

The Music Education Department of NVU-Johnson endeavors to create an inviting learning environment that provides a systematic, experience-based curriculum in the areas of self-reflection, curiosity, and enthusiasm in its future educators. Successful music educators exhibit personal qualities of leadership, intellectual curiosity, and social commitment. They approach life, music, and the teaching profession in a positive, creative, and enthusiastic way.

Musicians are most successful as teachers if they understand current structures, systems, and practices in education. The music educator in this age of educational change and accountability must be able to express knowledge of teaching and learning through verbal communication and through overt, demonstrable high-level musical and teaching skills. NVU-Johnson graduates plan and implement effective, developmentally-appropriate lessons and curricula based upon sound principles of content knowledge, skill development, and pedagogy. They employ the National Standards in Music Education and use appropriate materials and strategies to develop students' critical thinking, problem solving, and performance skills, all while conveying their deep love of music.

NVU-Johnson faculty are dedicated to preparing its candidates for careers as professional music educators and to emulate and convey the following principles: pursuing excellence in education; a commitment to diversity and cultural awareness; and excellence in musicianship, pedagogy, research and scholarship. Music educators from NVU-Johnson enter the field with the skills, knowledge, confidence, and enthusiasm to successfully provide their future students with a complete and fulfilling musical experience.

Learning Outcomes:

Music Education majors have student learning outcomes provided in the B.A. in Music program, the Department of Education, and those provided below specific to the Music Education major. These learning outcomes are consistent with guidelines from the National Associations of Schools of Music and licensure requirements for the State of Vermont.

1. Knowledge, performance ability, and pedagogical skills sufficient to teach students effective use of instruments and/or voice.
2. Knowledge of content, methodologies, philosophies, materials, technologies, and curriculum development in music education for the general music, instrumental, and vocal music settings in grades K-12.
3. Demonstrate the ability to teach technique and lead performance-based instruction in a variety of settings including individual and small group and large group ensembles for both instruments and voices.
4. Performance ability sufficient to use at least one instrument as a teaching tool and to provide, transpose, and improvise accompaniments.

5. Ability to teach music at various levels to different age groups and in a variety of classroom and ensemble settings in ways that develop knowledge of how music works syntactically as a communication medium and developmentally as an agent of civilization. This set of abilities includes effective classroom and rehearsal management.
6. An understanding of child growth and development and an understanding of principles of learning as they relate to music.
7. An understanding of evaluative techniques and ability to apply them in assessing both the musical progress of students and the objectives and procedures of the curriculum.

All students shall demonstrate these learning outcomes by:

1. Successfully completing the Praxis II exam for the Music Content area with a score that meets the Vermont Certification Guidelines,
2. Developing well-organized, standards-based lessons and unit plans in all content areas of certification (K-12 instrumental, choral & general music),
3. Demonstrating the teaching skills expected of a beginning music educator through required peer teaching activities, practicum, and student teaching experiences,
4. Successfully completing the licensure portfolio required by the College and for Vermont State Certification.

To earn a Bachelor of Music Education, students must complete the B.A. music performance core requirements, the music education requirements, and the Department of Education course requirements. In addition, students must complete the General Education requirements outlined below.

Music Performance Core Requirements (39-41 credits)

Required Courses

- MUS 1560 - Musical Skills I **Credit(s): 2**
- MUS 1231 - Music Theory I **Credit(s): 3**
The above courses should be taken concurrently.
- MUS 1760 - Musical Skills II **Credit(s): 2**
- MUS 1232 - Music Theory II **Credit(s): 3**
The above courses should be taken concurrently.
- MUS 2560 - Musical Skills III **Credit(s): 2**
- MUS 2313 - Music Theory III **Credit(s): 3**
The above courses should be taken concurrently.
- MUS 2760 - Musical Skills IV **Credit(s): 2**
- MUS 2314 - Music Theory IV **Credit(s): 3**
The above courses should be taken concurrently.
- MUS 2040 - Foreign Language Diction **Credit(s): 2** (Only required for voice primary students; recommended for others)
- MUS 2220 - Music Ensemble (J) **Credit(s): 0 or 0.5 or 1** (Required every semester) (must complete 3 credits in total)
- MUS 3031 - History of Western Music I **Credit(s): 3**
- MUS 3032 - History of Western Music II **Credit(s): 3**
- MUS 3140 - Arranging/Orchestration **Credit(s): 3**
- MUS 3240 - Applied Music Lessons **Credit(s): 1** (6 credits in one primary voice or instrument required)
- MUS 3510 - Junior Recital **Credit(s): 1**

Music Education Core Requirements

*Students must earn a B- or better in all the Music Education Core Requirement courses.

Required Music Education Tool Courses (9 credits)

- MUS 3215 - Technology for the Music Classroom **Credit(s): 3**
- MUS 3401 - Conducting I **Credit(s): 3**
- MUS 3402 - Conducting II **Credit(s): 3**

Required Instrumental Music Methods Courses (9 credits)

- MUS 2361 - Instrumental Techniques I **Credit(s): 3**
- MUS 2362 - Instrumental Techniques II **Credit(s): 3**
- MUS 3240 - Applied Music Lessons **Credit(s): 1**
- MUS 3310 - Band Methods **Credit(s): 2**

Required Vocal Music Methods Courses (7 credits)

- MUS 3060 - Vocal Pedagogy **Credit(s): 2**
- MUS 3080 - Choral Literature **Credit(s): 2**
- MUS 3270 - Choral Methods **Credit(s): 3**

Required General Music Methods Courses (8 credits)

- MUS 2250 - Introduction to Music Education **Credit(s): 2**
- MUS 3160 - Elementary School Music Methods **Credit(s): 3**
- MUS 3210 - Secondary School Music Methods **Credit(s): 3**

Department of Education Course Requirements (33 credits)

*Students must earn a B- or better in all the courses within the Department of Education Course Requirements.

*All Music Education majors are waived from taking the Department of Education "Perspectives on Learning" course.

- EDU 2365 - The Ecology of Human Experience: Development, Culture & Identity **Credit(s): 3**
- EDU 2370 - The Contemporary School **Credit(s): 3**
- EDU 3112 - Instructional Dynamics for the Elementary Educator: Curriculum, Instruction & Assessment for Integrated, Engaging & Creative Learners; Part III: Unified Arts for Diverse Learners **Credit(s): 3**
- EDU 3311 - Foundations of Inclusive Practices **Credit(s): 3**
- EDU 3440 - Teaching Toward Democracy **Credit(s): 3**
- EDU 4310 - The Art of Experience in Education: Designing for Engagement & Accomplishment through the Unified Arts **Credit(s): 3**
- EDU 4650 - Capstone & Thesis Seminar **Credit(s): 3**
- EDU 4812 - Unified Arts Student Teaching **Credit(s): 12**

In addition to the above courses, students must complete the following Teacher Education Workshops:

- EDU TEW1 - Teacher Education Workshop 1: Introduction to Teacher Education **Credit(s): 0**
- EDU TEW2 - Teacher Education Workshop 2: Application for Practicum I **Credit(s): 0**
- EDU TEW3 - Teacher Education Workshop 3: Application for Practicum II **Credit(s): 0**
- EDU TEW4 - Teacher Education Workshop 4: Application for student teaching **Credit(s): 0**
- EDU TEW5 - Teacher Education Workshop 5: Application for a Verification Check **Credit(s): 0**

General Education Requirements (21-23 additional credits)

Foundation Skills (18-20 credits):

ENG-1071, College Writing (3 cr.)

ENG-1072, Exposition & Analysis (3 cr.)

Two math courses or Calculus (4-6 cr.)

First-Year Seminar (3 cr.)

Creative Audience (2 semesters at .5 cr. each semester)

A lab science course (4 cr.)

A "QE" (Quantitatively Enriched) course (3 cr.) [*MUS-3401, QE: Conducting I, meets this requirement.]

Integrative Perspectives (3 additional credits)

Aesthetic Perspective: Fulfilled by major requirements above.

Social & Historical Perspective: Fulfilled by major requirements above.

Global Perspective: 3 credits needed; Music Education majors are highly encouraged to take MUS-3330, Worlds of Music.

Civic Perspective: Fulfilled by student teaching internship requirement within the major.

Music Proficiencies, Juries, and Praxis Exam Schedule at NVU-Johnson

First Year

Jury: Spring only

Second Year

Jury: Both fall and spring semesters

Piano Proficiency: End of spring semester as part of Keyboard Harmony course.

Praxis I Exam: Should be completed as soon as student has finished the Johnson math requirements (recommended spring of Year 2)

Third Year

Jury: Both fall and spring semesters

Prior to Student Teaching

All course requirements, recitals, pre-student teaching portfolio, and the Praxis II Exam must be completed. Additionally, Music Education majors must have a total earned GPA of 3.00 or higher, or have received certification of academic competence by the Provost or his/her designee.

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* meet all other Degree Requirements, including the General Education Core Curriculum and NVU Graduation Standards.

Natural Science (B.S.) - L

Minimum required credits for the program: 70

Requirements for the program

Students majoring in Natural Science are required to take MAT 1020 and MAT 2021 for their Mathematics General Education requirement.

Core: (42 Credits)

- SCI 1000 - First-Year Seminar in Science and Sustainability **Credit(s): 1**
- BIO 1211 - Introduction to Biology: Ecology and Evolution **Credit(s): 4**
- BIO 1212 - Introduction to Biology: Cells and Genetic Basis **Credit(s): 4**
- ENV 1080 - Introduction to Environmental Science **Credit(s): 4**
- GEY 1111 - Introduction to Geology I **Credit(s): 4**
- GEY 2112 - Introduction to Geology II **Credit(s): 4**
- PHY 2031 - Fundamental Physics I **Credit(s): 4**
- PHY 2032 - Fundamental Physics II **Credit(s): 4**
- SCI 4610 - Senior Seminar **Credit(s): 1**
- SCI 4900 - Research in Science **Credit(s): 1 to 4**
Students must complete at least 4 credits of SCI 4900, preferably over at least two terms.

Additional Courses: (28 credits)

Twenty-eight credits from Natural Science, of which twenty-four must be at 3000 or 4000 level. Up to eight credits may be taken from Atmospheric Sciences at 3000 or 4000 level.

Outdoor Education, Leadership, and Tourism (B.S.): Adventure Education Concentration - J

NVU OELT Core Courses

31-33 Credits

- ENV 1110 - Introduction to Environmental Problems **Credit(s): 3 OR**
- ENV 2090 - Sustainable Living **Credit(s): 3**
- OEL 1010 - Leisure and Tourism in Society **Credit(s): 3**
- OEL 1080 - Leadership and Small Group Dynamics **Credit(s): 3**
- OEL 1810 - Outdoor Education Practicum **Credit(s): 3**
- OEL 2720 - OELT Internship Seminar **Credit(s): 1**
- OEL 3010 - Learning in the Outdoors **Credit(s): 4 OR**
- OEL 3020 - Program and Event Planning **Credit(s): 3**
- OEL 3030 - Outdoor Program Planning & Administration **Credit(s): 3 OR**
- OEL 4020 - Management in Mountain Recreation Services **Credit(s): 3**
- OEL 4740 - Research and Evaluation Capstone **Credit(s): 4**
- OEL 4810 - Internship in Outdoor Education, Leadership, and Tourism **Credit(s): 6-15**
- PSY 1010 - Introduction to Psychology **Credit(s): 3**

Adventure Education Concentration

- BUS 1210 - Business Software and Spreadsheets **Credit(s): 3**
- OEL 1000 - Introduction to Outdoor Education **Credit(s): 3**
- OEL 2060 - Wilderness First Responder **Credit(s): 3**
- OEL 2900 - Outdoor Expedition **Credit(s): 1-4**
- OEL 3070 - Adventure Education Theory and Practice **Credit(s): 3**
- OEL 3240 - Backcountry Leadership **Credit(s): 3**
- OEL 3850 - Adventure Programming **Credit(s): 4**

Outdoor Skills Courses

Take 8 credits from the following Outdoor Skills Courses:

- OEL 1121 - Fundamentals of Rock Climbing **Credit(s): 2**
- OEL 1122 - Fundamentals of Mountain Biking **Credit(s): 1**
- OEL 1123 - Fundamentals of Canoeing **Credit(s): 1**
- OEL 1125 - Fundamentals of Kayaking **Credit(s): 1**
- OEL 1126 - Fundamentals of Ice Climbing **Credit(s): 1**
- OEL 1127 - Fundamentals of Alpine Climbing **Credit(s): 1**
- OEL 1128 - Level I Avalanche and Companion Rescue **Credit(s): 2**
- OEL 2121 - Advanced Single Pitch Rock Climbing **Credit(s): 3**
- OEL 2122 - Advanced Mountain Biking **Credit(s): 2**
- OEL 2123 - Advanced Canoeing **Credit(s): 2**
- OEL 2125 - Advanced Kayaking **Credit(s): 2**
- OEL 2126 - Advanced Ice Climbing **Credit(s): 2**
- OEL 2127 - Advanced Alpine Climbing **Credit(s): 2**
- OEL 2128 - Level II Avalanche **Credit(s): 2**
- OEL 3121 - Advanced Rock Climbing and Rescue **Credit(s): 3**

Outdoor Education, Leadership, and Tourism (B.S.): Adventure Education Concentration - L

Minimum required credits for the program: 62-64

NVU OELT Core Courses

31-33 Credits

- ENV 1110 - Introduction to Environmental Problems **Credit(s): 3 OR**
- ENV 2090 - Sustainable Living **Credit(s): 3**

- OEL 1010 - Leisure and Tourism in Society **Credit(s): 3**
- OEL 1080 - Leadership and Small Group Dynamics **Credit(s): 3**
- OEL 1810 - Outdoor Education Practicum **Credit(s): 3**
- OEL 2720 - OELT Internship Seminar **Credit(s): 1**

- OEL 3010 - Learning in the Outdoors **Credit(s): 4 OR**
- OEL 3020 - Program and Event Planning **Credit(s): 3**

- OEL 3030 - Outdoor Program Planning & Administration **Credit(s): 3 OR**
- OEL 4020 - Management in Mountain Recreation Services **Credit(s): 3**

- OEL 4740 - Research and Evaluation Capstone **Credit(s): 4**
- OEL 4810 - Internship in Outdoor Education, Leadership, and Tourism **Credit(s): 6-15**
- PSY 1010 - Introduction to Psychology **Credit(s): 3**

Adventure Education Concentration

31 Credits

- BUS 1210 - Business Software and Spreadsheets **Credit(s): 3**
- OEL 1000 - Introduction to Outdoor Education **Credit(s): 3**
- OEL 2060 - Wilderness First Responder **Credit(s): 3**
- OEL 2900 - Outdoor Expedition **Credit(s): 1-4**
- OEL 3070 - Adventure Education Theory and Practice **Credit(s): 3**
- OEL 3240 - Backcountry Leadership **Credit(s): 3**
- OEL 3850 - Adventure Programming **Credit(s): 4**

Outdoor Skills Courses

Take at least 8 credits from the following courses, with a minimum of 5 credits in one skills area.

- OEL 1121 - Fundamentals of Rock Climbing **Credit(s): 2**
- OEL 1122 - Fundamentals of Mountain Biking **Credit(s): 1**
- OEL 1123 - Fundamentals of Canoeing **Credit(s): 1**
- OEL 1125 - Fundamentals of Kayaking **Credit(s): 1**

- OEL 1126 - Fundamentals of Ice Climbing **Credit(s): 1**
- OEL 1127 - Fundamentals of Alpine Climbing **Credit(s): 1**
- OEL 1128 - Level I Avalanche and Companion Rescue **Credit(s): 2**
- OEL 2121 - Advanced Single Pitch Rock Climbing **Credit(s): 3**
- OEL 2122 - Advanced Mountain Biking **Credit(s): 2**
- OEL 2123 - Advanced Canoeing **Credit(s): 2**
- OEL 2125 - Advanced Kayaking **Credit(s): 2**
- OEL 2126 - Advanced Ice Climbing **Credit(s): 2**
- OEL 2127 - Advanced Alpine Climbing **Credit(s): 2**
- OEL 2128 - Level II Avalanche **Credit(s): 2**
- OEL 2150 - Advanced Backcountry Skiing and Riding **Credit(s): 2**
- OEL 3121 - Advanced Rock Climbing and Rescue **Credit(s): 3**

Outdoor Education, Leadership, and Tourism (B.S.): Environmental Education Concentration - J

NVU OELT Core Courses

31-33 Credits

- ENV 1110 - Introduction to Environmental Problems **Credit(s): 3 OR**
- ENV 2090 - Sustainable Living **Credit(s): 3**
- OEL 1010 - Leisure and Tourism in Society **Credit(s): 3**
- OEL 1080 - Leadership and Small Group Dynamics **Credit(s): 3**
- OEL 1810 - Outdoor Education Practicum **Credit(s): 3**
- OEL 2720 - OELT Internship Seminar **Credit(s): 1**
- OEL 3010 - Learning in the Outdoors **Credit(s): 4 OR**
- OEL 3020 - Program and Event Planning **Credit(s): 3**
- OEL 3030 - Outdoor Program Planning & Administration **Credit(s): 3 OR**
- OEL 4020 - Management in Mountain Recreation Services **Credit(s): 3**
- OEL 4740 - Research and Evaluation Capstone **Credit(s): 4**
- OEL 4810 - Internship in Outdoor Education, Leadership, and Tourism **Credit(s): 6-15**
- PSY 1010 - Introduction to Psychology **Credit(s): 3**

Environmental Education Concentration

- OEL 1000 - Introduction to Outdoor Education **Credit(s): 3**
- ENV 2050 - The Natural History of Vermont **Credit(s): 3 OR**
- BIO 2130 - Natural History of the Yellowstone Plateau **Credit(s): 3**
- PSY 2070 - Developmental Psychology **Credit(s): 3**

- BIO 1210 - Introduction to Biology **Credit(s): 4 OR**
- BIO 1211 - Introduction to Biology: Ecology and Evolution **Credit(s): 4**
- BIO 2340 - Fundamentals of Ecology **Credit(s): 4**
- ENV 1050 - Introduction to Earth Science **Credit(s): 4**
- ENV 3230 - National Parks & Wilderness Management **Credit(s): 3 OR**
- ENV 4010 - Global Environmental Issues **Credit(s): 3**

Field Course

Select one of the following courses:

- BIO 2145 - Plant Biology **Credit(s): 4**
- BIO 3320 - Ornithology **Credit(s): 4**
- BIO 4220 - Wildlife Ecology & Management **Credit(s): 4**
- GEY 3120 - Field Geology **Credit(s): 4**

Outdoor Education, Leadership, and Tourism (B.S.): Mountain Resort Management Concentration - L

Minimum required credits for the program: 64

NVU OELT Core Courses

31-33 Credits

- ENV 1110 - Introduction to Environmental Problems **Credit(s): 3 OR**
- ENV 2090 - Sustainable Living **Credit(s): 3**
- OEL 1010 - Leisure and Tourism in Society **Credit(s): 3**
- OEL 1080 - Leadership and Small Group Dynamics **Credit(s): 3**
- OEL 1810 - Outdoor Education Practicum **Credit(s): 3**
- OEL 2720 - OELT Internship Seminar **Credit(s): 1**
- OEL 3010 - Learning in the Outdoors **Credit(s): 4 OR**
- OEL 3020 - Program and Event Planning **Credit(s): 3**
- OEL 3030 - Outdoor Program Planning & Administration **Credit(s): 3 OR**
- OEL 4020 - Management in Mountain Recreation Services **Credit(s): 3**
- OEL 4740 - Research and Evaluation Capstone **Credit(s): 4**
- OEL 4810 - Internship in Outdoor Education, Leadership, and Tourism **Credit(s): 6-15**
- PSY 1010 - Introduction to Psychology **Credit(s): 3**

Mountain Resort Mgmt Concentration Required Courses

23 Credits

- BUS 1210 - Business Software and Spreadsheets **Credit(s): 3**
- OEL 1140 - Introduction to Mountain Resort Management **Credit(s): 3**
- OEL 2230 - Mountain Resort Software Technologies **Credit(s): 3**
- OEL 2841 - Mountain Resort Management Practicum I **Credit(s): 4**
- OEL 2842 - Mountain Resort Management Practicum II **Credit(s): 4**
- OEL 3050 - Resort Law and Risk Management **Credit(s): 3**
- OEL 3110 - Public Relations **Credit(s): 3**
or COM 2085 (Public Relations, Advertising, and Marketing)

Choose Either Mountain Operations or Resort Management Group

Mountain Operations Group

Choose 3 courses from:

- OEL 2050 - Outdoor Emergency Care **Credit(s): 4**
- OEL 2210 - Lift Functions and Maintenance **Credit(s): 3**
- OEL 2852 - Snow Maintenance **Credit(s): 3**
- OEL 2855 - Summer Mountain Operations **Credit(s): 3**

Resort Management Group

Choose 3 courses from:

- ANT 3070 - Ecotourism **Credit(s): 3**
- COM 3080 - Strategic Media Communications **Credit(s): 3**
- MBI 3330 - Venue Management **Credit(s): 3**
- OEL 2050 - Outdoor Emergency Care **Credit(s): 4**
- OEL 2855 - Summer Mountain Operations **Credit(s): 3**

Outdoor Education, Leadership, and Tourism (B.S.): Outdoor Program Management & Administration - J

NVU OELT Core Courses

31-33 Credits

- ENV 1110 - Introduction to Environmental Problems **Credit(s): 3 OR**
- ENV 2090 - Sustainable Living **Credit(s): 3**

- OEL 1010 - Leisure and Tourism in Society **Credit(s): 3**
- OEL 1080 - Leadership and Small Group Dynamics **Credit(s): 3**
- OEL 1810 - Outdoor Education Practicum **Credit(s): 3**
- OEL 2720 - OELT Internship Seminar **Credit(s): 1**

- OEL 3010 - Learning in the Outdoors **Credit(s): 4 OR**
- OEL 3020 - Program and Event Planning **Credit(s): 3**
- OEL 3030 - Outdoor Program Planning & Administration **Credit(s): 3 OR**
- OEL 4020 - Management in Mountain Recreation Services **Credit(s): 3**
- OEL 4740 - Research and Evaluation Capstone **Credit(s): 4**
- OEL 4810 - Internship in Outdoor Education, Leadership, and Tourism **Credit(s): 6-15**
- PSY 1010 - Introduction to Psychology **Credit(s): 3**

Outdoor Program Management & Administration Concentration

- OEL 1000 - Introduction to Outdoor Education **Credit(s): 3**
- BUS 1210 - Business Software and Spreadsheets **Credit(s): 3**
- BUS 2015 - Fundamentals of Management in Business **Credit(s): 3**
- BUS 2210 - Small Business Management **Credit(s): 3**
- BUS 2230 - Principles of Marketing **Credit(s): 3**
- BUS 2410 - Human Resource Management **Credit(s): 3 OR**
- BUS 3250 - Organizational Behavior & Management **Credit(s): 3**
- BUS 2280 - Introduction to Business Ethics **Credit(s): 3 OR**
- POS 3050 - Environmental Ethics & Politics **Credit(s): 3**
- OEL 2140 - Ropes Course Leadership **Credit(s): 3**
- OEL 3070 - Adventure Education Theory and Practice **Credit(s): 3**

Select one of the following courses:

- ACC 2121 - Financial Accounting **Credit(s): 4**
- BUS 3110 - Ski Area Management & Design **Credit(s): 3**
- BUS 3131 - Business Law I **Credit(s): 3**
- BUS 3440 - Ecotourism and Sustainability **Credit(s): 3**

Outdoor Skills Courses

Select two of the following Outdoor Skills Courses:

- OEL 1121 - Fundamentals of Rock Climbing **Credit(s): 2**
- OEL 1122 - Fundamentals of Mountain Biking **Credit(s): 1**
- OEL 1123 - Fundamentals of Canoeing **Credit(s): 1**
- OEL 1125 - Fundamentals of Kayaking **Credit(s): 1**
- OEL 1126 - Fundamentals of Ice Climbing **Credit(s): 1**
- OEL 1127 - Fundamentals of Alpine Climbing **Credit(s): 1**
- OEL 1128 - Level I Avalanche and Companion Rescue **Credit(s): 2**
- OEL 2121 - Advanced Single Pitch Rock Climbing **Credit(s): 3**
- OEL 2122 - Advanced Mountain Biking **Credit(s): 2**
- OEL 2123 - Advanced Canoeing **Credit(s): 2**
- OEL 2125 - Advanced Kayaking **Credit(s): 2**

- OEL 2126 - Advanced Ice Climbing **Credit(s): 2**
- OEL 2127 - Advanced Alpine Climbing **Credit(s): 2**
- OEL 2128 - Level II Avalanche **Credit(s): 2**
- OEL 3121 - Advanced Rock Climbing and Rescue **Credit(s): 3**

Outdoor Education, Leadership, and Tourism (B.S.): Therapeutic Wilderness & Adventure Programming - J

NVU OELT Core Courses

31-33 Credits

- ENV 1110 - Introduction to Environmental Problems **Credit(s): 3 OR**
- ENV 2090 - Sustainable Living **Credit(s): 3**
- OEL 1010 - Leisure and Tourism in Society **Credit(s): 3**
- OEL 1080 - Leadership and Small Group Dynamics **Credit(s): 3**
- OEL 1810 - Outdoor Education Practicum **Credit(s): 3**
- OEL 2720 - OELT Internship Seminar **Credit(s): 1**
- OEL 3010 - Learning in the Outdoors **Credit(s): 4 OR**
- OEL 3020 - Program and Event Planning **Credit(s): 3**
- OEL 3030 - Outdoor Program Planning & Administration **Credit(s): 3 OR**
- OEL 4020 - Management in Mountain Recreation Services **Credit(s): 3**
- OEL 4740 - Research and Evaluation Capstone **Credit(s): 4**
- OEL 4810 - Internship in Outdoor Education, Leadership, and Tourism **Credit(s): 6-15**
- PSY 1010 - Introduction to Psychology **Credit(s): 3**

Therapeutic Wilderness & Adventure Programming Concentration

- OEL 1000 - Introduction to Outdoor Education **Credit(s): 3**
- OEL 2060 - Wilderness First Responder **Credit(s): 3**
- OEL 2140 - Ropes Course Leadership **Credit(s): 3**
- OEL 2900 - Outdoor Expedition **Credit(s): 1-4**
- OEL 3070 - Adventure Education Theory and Practice **Credit(s): 3**
- OEL 3240 - Backcountry Leadership **Credit(s): 3**
- OEL 3850 - Adventure Programming **Credit(s): 4**
- PSY 2070 - Developmental Psychology **Credit(s): 3**
- PSY 2040 - Social Psychology **Credit(s): 3**

Upper Level Psychology Course

Select one of the following upper-level Psychology course:

- PSY 3010 - Theories of Personality **Credit(s): 3**
- PSY 3070 - Abnormal Psychology **Credit(s): 3**
- PSY 3330 - Psychology of Addictions **Credit(s): 3**

Performance, Arts, & Technology (B.A.): Dance Concentration - J

Performance, Arts, & Technology Core Required Courses

- PAT 1111 - Performance Art Practicum: Collaborative Boot Camp **Credit(s): 3**
- PAT 2001 - Devised Performance Lab **Credit(s): 3**
- PAT 4001 - Devised Performance Lab **Credit(s): 3**
- PAT 4050 - History of Performance: Theatre, Music, Dance, and Design **Credit(s): 3**
- THA 1111 - Stagecraft **Credit(s): 3**
- THA 3130 - Introduction to Design: Costume, Scenic, and Stage Lighting **Credit(s): 3**
- THA 4720 - Senior Project in Theater **Credit(s): 3**
- THA 4730 - Seminar in Professional Preparation for the Actor **Credit(s): 3**

Dance Concentration Courses

- DAN 1010 - Fundamentals of Dance **Credit(s): 3**
- DAN 1111 - Modern Dance **Credit(s): 3**
- DAN 2030 - Improvisation/Composition: Intermediate/Advanced Level **Credit(s): 4**
- DAN 3112 - Intermediate Modern Dance: Technique & History **Credit(s): 3**

Take two of the following:

- DAN 2040 - Beginning Tap Dance **Credit(s): 2**
- DAN 2131 - Ballet **Credit(s): 3**
- DAN 3130 - Jazz Dance **Credit(s): 3**

Performance, Arts, & Technology Core Elective Courses

Take one of the following:

- MBI 2510 - Pro Tools 101: Introduction to Pro Tools **Credit(s): 2**
- MBI 2511 - Pro Tools 110: Pro Tools Production **Credit(s): 2**
- MUS 3140 - Arranging/Orchestration **Credit(s): 3**
- MUS 3230 - Survey of American Musical Theater **Credit(s): 3**
- MUS 3260 - Music Theater Workshop **Credit(s): 3**
- PAT 3050 - Podcast Storytelling **Credit(s): 3**
- PAT 3150 - Hitchcock's Smartphone: The Making of Psychologically Engaging Short Videos **Credit(s): 3**
- THA 2040 - Performance & Production Lab **Credit(s): 0 or 3**
OR THA 4010 (Performance & Production Lab)
OR MUS 2350 (Music Theater Production)
OR MUS 4010 (Music Theater Production)
- THA 3010 - Shakespeare: On the Stage & On the Page **Credit(s): 3**
- THA 3040 - Improvisation for Actors **Credit(s): 3**

- THA 3123 - Acting III **Credit(s): 3**

Performance, Arts, & Technology (B.A.): Music Concentration - J

Student Learning Outcomes

1. Students will develop the communication skills required for leadership and collaboration in the performing arts. These skills include: engaged listening to others, learning to place seemingly random ideas into organized categories, and the ability to verbally articulate one's own ideas clearly and with confidence.
2. Students will identify and analyze historical moments that had an impact on performance and performance art globally and domestically in order to incorporate elements of them into their own work.
3. Students will analyze, critic, and interpret classical and contemporary performance pieces related to their concentration.
4. Students will be able to manage a long-term project relevant to their concentration.
5. Through resume building, portfolio building, audition assessments, drafting budgets and technical riders, and internship opportunities, students will demonstrate professionalism.

Performance, Arts, & Technology Core Required Courses

- PAT 1111 - Performance Art Practicum: Collaborative Boot Camp **Credit(s): 3**
- PAT 2001 - Devised Performance Lab **Credit(s): 3**
- PAT 4001 - Devised Performance Lab **Credit(s): 3**
- PAT 4050 - History of Performance: Theatre, Music, Dance, and Design **Credit(s): 3**
- THA 1111 - Stagecraft **Credit(s): 3**
- THA 3130 - Introduction to Design: Costume, Scenic, and Stage Lighting **Credit(s): 3**
- THA 4720 - Senior Project in Theater **Credit(s): 3**
- THA 4730 - Seminar in Professional Preparation for the Actor **Credit(s): 3**

Music Concentration Courses

- MUS 1231 - Music Theory I **Credit(s): 3**
- MUS 1560 - Musical Skills I **Credit(s): 2**
- MUS 1232 - Music Theory II **Credit(s): 3**
- MUS 1760 - Musical Skills II **Credit(s): 2**
- MUS 3401 - Conducting I **Credit(s): 3**
- PAT 3010 - Sound and Light Design for Contemporary Performance **Credit(s): 3**
- MUS 1120 - Applied Music Lessons **Credit(s): 0.5 (take 6 times, for a total of 3 credits)**
- MUS 2220 - Music Ensemble (J) **Credit(s): 0 or 0.5 or 1 (take 8 times, for a total of 4 credits)**
- MUS 3240 - Applied Music Lessons **Credit(s): 1 (take 4 times, for a total of 2 credits)**

Performance, Arts, & Technology Core Elective Courses

Take one of the following:

- MBI 2510 - Pro Tools 101: Introduction to Pro Tools **Credit(s): 2**
- MBI 2511 - Pro Tools 110: Pro Tools Production **Credit(s): 2**
- MUS 3140 - Arranging/Orchestration **Credit(s): 3**
- MUS 3230 - Survey of American Musical Theater **Credit(s): 3**
- MUS 3260 - Music Theater Workshop **Credit(s): 3**
- PAT 3050 - Podcast Storytelling **Credit(s): 3**
- PAT 3150 - Hitchcock's Smartphone: The Making of Psychologically Engaging Short Videos **Credit(s): 3**
- THA 2040 - Performance & Production Lab **Credit(s): 0 or 3**
OR THA 4010 (Performance & Production Lab)
OR MUS 2350 (Music Theater Production)
OR MUS 4010 (Music Theater Production)
- THA 3010 - Shakespeare: On the Stage & On the Page **Credit(s): 3**
- THA 3040 - Improvisation for Actors **Credit(s): 3**
- THA 3123 - Acting III **Credit(s): 3**

Performance, Arts, & Technology (B.A.): Theater & Musical Theater Concentration - J

Student Learning Outcomes

Students will develop the communication skills required for leadership and collaboration in the performing arts. These skills include: engaged listening to others, learning to place seemingly random ideas into organized categories, and the ability to verbally articulate one's own ideas clearly and with confidence.

2. Students will identify and analyze historical moments that had an impact on performance and performance art globally and domestically in order to incorporate elements of them into their own work.
3. Students will analyze, critic, and interpret classical and contemporary performance pieces related to their concentration.
4. Students will be able to manage a long-term project relevant to their concentration.
5. Through resume building, portfolio building, audition assessments, drafting budgets and technical riders, and internship opportunities, students will demonstrate professionalism.

Performance, Arts, & Technology Core Required Courses

- PAT 1111 - Performance Art Practicum: Collaborative Boot Camp **Credit(s): 3**
- PAT 2001 - Devised Performance Lab **Credit(s): 3**
- PAT 4001 - Devised Performance Lab **Credit(s): 3**
- PAT 4050 - History of Performance: Theatre, Music, Dance, and Design **Credit(s): 3**
- THA 1111 - Stagecraft **Credit(s): 3**
- THA 3130 - Introduction to Design: Costume, Scenic, and Stage Lighting **Credit(s): 3**
- THA 4720 - Senior Project in Theater **Credit(s): 3**
- THA 4730 - Seminar in Professional Preparation for the Actor **Credit(s): 3**

Theatre and Musical Theatre Concentration Courses

- THA 1040 - Interpreting Contemporary Dramatic Literature (J) **Credit(s): 3**
- THA 1041 - Introduction to Theater Arts (J) **Credit(s): 3**
- THA 2121 - Acting I (J) **Credit(s): 3**
- THA 2121L - Acting I Lab **Credit(s): 1**
- THA 2122 - Acting II (J) **Credit(s): 3**
- THA 3210 - Introduction to Directing **Credit(s): 4**
- THA 2040 - Performance & Production Lab **Credit(s): 0 or 3**
OR THA 4010 Performance & Production Lab
OR MUS 2350 Music Theater Production
OR MUS 4010 Music Theater Production

Performance, Arts, & Technology Core Elective Courses

Take one of the following:

- MBI 2510 - Pro Tools 101: Introduction to Pro Tools **Credit(s): 2**
- MBI 2511 - Pro Tools 110: Pro Tools Production **Credit(s): 2**
- MUS 3140 - Arranging/Orchestration **Credit(s): 3**
- MUS 3230 - Survey of American Musical Theater **Credit(s): 3**
- MUS 3260 - Music Theater Workshop **Credit(s): 3**
- PAT 3050 - Podcast Storytelling **Credit(s): 3**
- PAT 3150 - Hitchcock's Smartphone: The Making of Psychologically Engaging Short Videos **Credit(s): 3**
- THA 2040 - Performance & Production Lab **Credit(s): 0 or 3**
OR THA 4010 (Performance & Production Lab)
OR MUS 2350 (Music Theater Production)
OR MUS 4010 (Music Theater Production)
- THA 3010 - Shakespeare: On the Stage & On the Page **Credit(s): 3**
- THA 3040 - Improvisation for Actors **Credit(s): 3**
- THA 3123 - Acting III **Credit(s): 3**

Photography (A.A.) - L

Minimum required credits for program: 27

Core Courses (12 credits)

- ART 2301 - Photography I (L) **Credit(s): 3**
- ART 3270 - Advanced Photography **Credit(s): 3**
- DES 1020 - Design **Credit(s): 3**
- DES 1025 - Image Manipulation **Credit(s): 3**

Choice Courses (12 credits)

Choose four courses from the following choices:

- ART 1035 - Visual Arts Seminar **Credit(s): 3**
- ART 1410 - Digital Photography **Credit(s): 3**
- ARH 2070 - History of Photography **Credit(s): 3**
- ART 2610 - Advanced Digital Photography **Credit(s): 3**
- ART 3060 - Book Arts **Credit(s): 3**
- ART 3260 - Commercial Photography **Credit(s): 3**
- CIN 1060 - Cinema Production I **Credit(s): 3**

Political Science (B.A.) - J, O

The B.A. in Political Science is designed to develop understanding of the theoretical and practical relationship between political culture and governmental structures at the four traditional levels of political organization: local, state, national and international. Students develop the ability to compare alternative systems and to understand the political process at various levels. Writing and research skills are also developed, especially in seminar and independent research courses. Graduates of the program are prepared for graduate and professional study and for positions of responsibility in public and civic organizations.

Learning Outcomes

Graduates will:

1. Possess content knowledge of a broad array of political phenomenon, concepts, and theory as well as basic historical and geographic factors that influence political behavior.
2. Develop the ability to analyze and interpret the influence social, economic, cultural, and environmental variables have on political behavior and outputs.
3. Understand how individual and global cultures can impact political beliefs and actions.
4. Be able to comprehend, interpret, and apply scientific methodology to the study of political behavior.
5. Be able to apply critical thinking, limit bias, and explore all potential causal relations.
6. Successfully communicate, in oral and written form, his or her findings and interpretations, using proper documentations and scholarly conventions.

Political Science Curriculum at NVU-Johnson

Political science faculty strongly recommend a semester-long internship with such agencies or organizations as the Vermont General Assembly or Legislative Council, state and federal agencies, newspapers and wire services, U.S. Congress, international organizations, law offices, legal aid programs, public-interest groups, public affairs foundations, election campaigns, etc. Such experiences often lead directly to career opportunities in these fields. Internships enable students to meet many decision-makers and are particularly valuable when integrated with seminars in political science.

Required Core Courses (18 credits)

- POS 1010 - Introduction to Political Science **Credit(s): 3**
- POS 1020 - American Politics and Government **Credit(s): 3**
- POS 2050 - International Economics & Politics **Credit(s): 3**
- POS 1040 - African-American History & Politics **Credit(s): 3 OR**
- POS 3070 - Terrorism, Religion & the Nation-State **Credit(s): 3**

- POS 3010 - Survey of Western Political Thought **Credit(s): 3 OR**
- POS 3025 - Research Design & Analysis **Credit(s): 3**
- POS 4730 - Senior Seminar in Political Science **Credit(s): 3 OR**
- POS 4740 - Senior Thesis **Credit(s): 3**

Electives (21 credits)

Choose 2 of the following:

- POS 1030 - Comparative Government **Credit(s): 3**
- POS 2010 - Observation of the Legislative Process **Credit(s): 3**
- POS 2040 - International Relations **Credit(s): 3**
- POS 2810 - Internship in Political Science **Credit(s): 1-12**

Choose 5 of the following:

- POS 3040 - The Politics of Gender **Credit(s): 3**
- POS 3050 - Environmental Ethics & Politics **Credit(s): 3**
- POS 3060 - Vermont Politics **Credit(s): 3**
- POS 3130 - Church & State Separation: The First Amendment to the U.S. Constitution **Credit(s): 3**
- POS 3150 - Campaigns & Elections **Credit(s): 3**
- POS 3170 - U.S. Constitutional Law **Credit(s): 3**
- POS 3180 - Politics in Film **Credit(s): 3**
- POS 3210 - Canadian Politics **Credit(s): 3**
- POS 3220 - Genocide: Inhumanity Across the Ages **Credit(s): 3**
- POS 3270 - Revolutions, Transformed Economics & Social Change **Credit(s): 3**
- POS 4010 - American Foreign Policy **Credit(s): 3**
- POS 4020 - International Relations **Credit(s): 3**
- POS 4810 - Internship in Political Science **Credit(s): 1-12 (Johnson); 1-6 (Lyndon)**
- HIS-2410 Latin American History & Culture, Credit(s): 3 (CSC course)
- HIS 3165 - Vermont History **Credit(s): 3**
- HIS 3312 - Europe in the 20th Century **Credit(s): 3**

Total: 37-39 credits

Secondary Teaching License in Social Studies

Students pursuing licensure endorsement to teach Social Studies in grades 7-12 must successfully complete either the History (B.A.) - J or the Political Science (B.A.) - J, O, as well as specific teacher-education coursework and requirements. Please refer to the Secondary Teacher License Endorsement - J section for details.

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* meet all other Degree Requirements, including the General Education Core Curriculum and NVU Graduation Standards.

Professional Studies (B.A.) - O

The B.A. in Professional Studies is available to students who are completing their bachelor's degree through NVU Online. This major allows adult learners to design a plan of study around a particular career interest while weaving together the threads of their prior learning into a coherent degree program. Upon declaring an area of special emphasis, students work with their advisor to develop a degree plan that meets their objectives as well as the college's general education and other requirements for a bachelor's degree.

Learning Outcomes for Professional Studies Majors

Students will be able to:

- Plan a coherent, individualized program of study with a clear focus and in keeping with their personal goals.
- Demonstrate bachelor's-level knowledge in one or more fields of interest.
- Demonstrate connections between theoretical learning and practical experience in relation to the field of interest.
- Demonstrate an ability to reflect upon and synthesize key aspects of the learning experience in the program.

Requirements

- For students matriculating through NVU Online, no college credits are required before admittance into the major.
- Completion of the NVU General Education Core Curriculum.
- During the student's first semester, development and submission of a degree plan, including a narrative that declares a focus of study and demonstrates integration of prior learning and proposed courses
- Completion of at least 30 credits in a focus area of study, including INT 4950, Senior Seminar in Professional Studies
- Completion of at least 15 upper-level credits (3000- or 4000-level) within the 30-credit focus area

Note: It is not possible to do a minor along with the major in professional studies unless the credits for the minor are in addition to the 120 credits required for a bachelor's degree.

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* meet all other Degree Requirements, including the General Education Core Curriculum and NVU Graduation Standards.

Professional Writing, Editing, & Publishing (B.A.) - J, O

Professional Writing, Editing and Publishing is an interdisciplinary major designed to prepare students for a wide variety of careers in the writing and publishing field. Students graduating with a degree in Professional Writing, Editing, and Publishing from NVU will do so with skills critical to the publishing profession: writing in many genres including grounding in journalism and literary nonfiction, graphic design, the art of literary editing, technical skills needed to format manuscripts for commercial presses and an understanding of the literary marketplace. Courses in the core of this program cross disciplinary lines, incorporating the tangible benefits of both liberal arts and career training. For all students in the program, a capstone course will develop a book from initial manuscript submission and acceptance through to the editing and design phases, culminating with actual publication and distribution through a new imprint, Northern Vermont University Press.

Professional Writing, Editing, & Publishing Course Requirements

Total Credits: 45

- ENG 2031 - History and Art of Publishing **Credit(s): 3**
- ENG 2051 - Introduction to Journalism **Credit(s): 3**
- ENG 2052 - News Publishing **Credit(s): 3**
- ENG 2101 - Creative Writing **Credit(s): 3**
- ENG 3020 - Feature Writing **Credit(s): 3**
- ENG 3022 - Advanced News Publishing **Credit(s): 3**
- ENG 3120 - Poetry Workshop **Credit(s): 3**
OR ENG 3130 Fiction Workshop
OR ENG 3140 The Creative Essay
- ENG 3032 - Literary Publishing in the 21st Century: Green Mountains Review **Credit(s): 3**
- ENG 3435 - Practical Grammar **Credit(s): 3**
- ENG 4130 - The Form & Theory of Nonfiction **Credit(s): 3**
- ENG 4810 - Internship (J) **Credit(s): 1-12**

Psychology (A.A.) - J, O

Total: 28 credits

Required Courses

- PSY 1010 - Introduction to Psychology **Credit(s): 3**
- PSY 1035 - The Psychology Major **Credit(s): 1**
- PSY 2040 - Social Psychology **Credit(s): 3**
- PSY 2070 - Developmental Psychology **Credit(s): 3**
- PSY 2410 - Research Methods in Psychology **Credit(s): 3**
- PSY 3010 - Theories of Personality **Credit(s): 3**
- PSY 3070 - Abnormal Psychology **Credit(s): 3**

Electives

Three (9 credits of) Psychology electives.

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* meet all other Degree Requirements, including the General Education Core Curriculum and NVU Graduation Standards.

Psychology (B.A.) - J, O

Psychology Programs at NVU-Johnson

Psychology is the scientific study of behavior and the mind. Students in the B.A. in Psychology program explore a wide range of theories concerning human behavior, development, thought, emotion, learning, intelligence, personality, group dynamics and abnormal behavior. Through coursework, fieldwork and research opportunities, students apply the knowledge gained in class to

the real world and are encouraged to use what they learn toward understanding themselves and their relationships. Students have the opportunity to work as research assistants during the school year and in the summer. An internship is required. Elective options help students explore career possibilities, such as working with the chronically mentally ill, with children and families, and in the areas of organizational psychology, addictions, art therapy, forensic psychology and more. However, the study of psychology provides excellent preparation for careers not only in psychology, but in any field in which an understanding of human behavior is useful.

Learning Outcomes

The B.A. in Psychology is designed to produce students who graduate with a strong understanding the field of psychology, how it relates to interpersonal communication and behavior, and the practical application of this knowledge and skill set.

Psychology Core Curriculum at NVU-Johnson (29 credits)

- PSY 1010 - Introduction to Psychology **Credit(s): 3**
- PSY 1035 - The Psychology Major **Credit(s): 1**
- PSY 2040 - Social Psychology **Credit(s): 3**
- PSY 2070 - Developmental Psychology **Credit(s): 3**
- PSY 2410 - Research Methods in Psychology **Credit(s): 3**
- PSY 3010 - Theories of Personality **Credit(s): 3**
- PSY 3025 - History of Modern Psychology **Credit(s): 3**
- PSY 3070 - Abnormal Psychology **Credit(s): 3**
- PSY 4010 - Biological Psychology **Credit(s): 3**
- PSY 4770 - Senior Seminar in Psychology **Credit(s): 1**
- PSY 4810 - Internship in Psychology **Credit(s): 1-12** (Minimum of 3 credits required)
- MAT 2021 - Statistics **Credit(s): 3**

** Psychology internships must be a minimum of 3 credits, and they must be arranged the semester prior to which they are to occur and included in the plan of study. The required internship must be taken concurrently with the Senior Seminar. Students completing the Health & Sport Psychology concentration must complete their internship in an area/setting relevant to health and sport psychology.*

Psychology Electives at NVU-Johnson (choose 15 credits)

- PSY 3035 - Social Stigma **Credit(s): 3**
- PSY 3045 - Social Development **Credit(s): 3**
- PSY 3230 - Psychology of Gender (J) **Credit(s): 3**
- PSY 3235 - Evolutionary Psychology **Credit(s): 3**
- PSY 3250 - Multicultural Psychology **Credit(s): 3**
- PSY 3330 - Psychology of Addictions **Credit(s): 3**
- PSY 3345 - The Psychology of Groups **Credit(s): 3**
- PSY 4035 - Forensic Psychology **Credit(s): 3**
- PSY 4090 - Modern Controversies in Psychology **Credit(s): 3**
- PSY 4110 - Creative Therapies **Credit(s): 3**
- PSY 4151 - Counseling Theory & Practice **Credit(s): 3**
- PSY 4250 - Animal Behavior & Psychology **Credit(s): 3**
- PSY 4330 - Introduction to Clinical Skills **Credit(s): 3**

- PSY 4340 - Fundamentals of Community Mental Health **Credit(s): 3**
- PSY 4760 - Topical Seminar in Psychology **Credit(s): 3 ***
- PSY 4810 - Internship in Psychology **Credit(s): 1-12**
- PSY 4910 - Independent Study in Psychology **Credit(s): 1-12**
- AHS 3230 - Physiology of Exercise **Credit(s): 4**
- AHS 4025 - Health Behavior: Change & Adherence **Credit(s): 3**
- AHS 4030 - Psychology of Sports & Exercise **Credit(s): 3**
- AHS 4110 - Psychophysiology of Stress **Credit(s): 3**
- ANT 3130 - Culture & Personality **Credit(s): 3**
- ANT 4010 - Anthropology of Death **Credit(s): 3**
- BIO 3160 - Animal Behavior **Credit(s): 4**
- SOC 3060 - Sexuality & Intimacy **Credit(s): 3**
- SOC 3080 - Wellness & Alternative Medicine **Credit(s): 3**
- SOC 4010 - Family Violence **Credit(s): 3**

** Different topics rotate through the course; each may be taken for elective credit toward the major.*

Total: 44 credits

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* meet all other Degree Requirements, including the General Education Core Curriculum and NVU Graduation Standards.

Psychology (B.A.): Health & Sport Psychology concentration - J

Psychology Programs at NVU-Johnson

Psychology is the scientific study of behavior and the mind. Students in the B.A. in Psychology program explore a wide range of theories concerning human behavior, development, thought, emotion, learning, intelligence, personality, group dynamics and abnormal behavior. Through coursework, fieldwork and research opportunities, students apply the knowledge gained in class to the real world and are encouraged to use what they learn toward understanding themselves and their relationships. Students have the opportunity to work as research assistants during the school year and in the summer. An internship is required. Elective options help students explore career possibilities, such as working with the chronically mentally ill, with children and families, and in the areas of organizational psychology, addictions, art therapy, forensic psychology and more. However, the study of psychology provides excellent preparation for careers not only in psychology, but in any field in which an understanding of human behavior is useful.

Learning Outcomes

The B.A. in Psychology is designed to produce students who graduate with a strong understanding the field of psychology, how it relates to interpersonal communication and behavior, and the practical application of this knowledge and skill set.

Health & Sport Psychology Concentration

This program explores how psychology can be used to improve motivation and performance, how physical activity improves mental health and overall well-being, and how stress and other psychological factors affect health and wellness. Students may engage in original research projects in collaboration with faculty and have the opportunity to assist with ongoing research into biofeedback as a tool for exercise motivation. An internship in an area/setting relevant to health and sport psychology is required. **Graduates earn a B.A. in Psychology with a concentration in Health & Sport Psychology.**

Psychology Core Curriculum at NVU-Johnson (29 credits)

- PSY 1010 - Introduction to Psychology **Credit(s): 3**
- PSY 1035 - The Psychology Major **Credit(s): 1**
- PSY 2040 - Social Psychology **Credit(s): 3**
- PSY 2070 - Developmental Psychology **Credit(s): 3**
- PSY 2410 - Research Methods in Psychology **Credit(s): 3**
- PSY 3010 - Theories of Personality **Credit(s): 3**
- PSY 3025 - History of Modern Psychology **Credit(s): 3**
- PSY 3070 - Abnormal Psychology **Credit(s): 3**
- PSY 4010 - Biological Psychology **Credit(s): 3**
- PSY 4770 - Senior Seminar in Psychology **Credit(s): 1**
- PSY 4810 - Internship in Psychology **Credit(s): 1-12** (Minimum of 3 credits required)
- MAT 2021 - Statistics **Credit(s): 3**

** Psychology internships must be a minimum of 3 credits, and they must be arranged the semester prior to which they are to occur and included in the plan of study. The required internship must be taken concurrently with the Senior Seminar. Students completing the Health & Sport Psychology concentration must complete their internship in an area/setting relevant to health and sport psychology.*

Health & Sport Psychology Curriculum (15-16 credits)

Core Concentration Courses (9 credits)

- AHS 4025 - Health Behavior: Change & Adherence **Credit(s): 3**
- AHS 4030 - Psychology of Sports & Exercise **Credit(s): 3**
- AHS 4110 - Psychophysiology of Stress **Credit(s): 3**

The above courses can apply toward the major's electives requirement as well.

Electives (6-7 credits)

(Choose two courses)

- AHS 1010 - Contemporary Health Issues **Credit(s): 3**
- AHS 3120 - Kinesiology **Credit(s): 3**
- AHS 3230 - Physiology of Exercise **Credit(s): 4**
- BIO 3180 - Nutrition **Credit(s): 3**
- SOC 3080 - Wellness & Alternative Medicine **Credit(s): 3**

Total: 44-45 credits

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* meet all other Degree Requirements, including the General Education Core Curriculum and NVU Graduation Standards.

Special Education (A.S.) - L

Minimum required credits for the program: 40

Students majoring in the Associate of Science in Special Education program are required to take MAT-1060 (Problem Solving with Mathematics) and MAT-2010 (Number Systems) as their Mathematics General Education Core Curriculum requirements.

Core: (34 credits)

In addition to courses below, 3 credits of electives in Education or Special Education - Assessment, Instruction, or Management of students (approved by advisor).

- EDU 2120 - Children with Disabilities **Credit(s): 3**
- EDU 2010 - Foundations of Education **Credit(s): 3**
- EDU 2230 - Supporting Students with Autism Spectrum Disorders (L) **Credit(s): 2**
- EDU 2270 - Classroom and Behavior Management **Credit(s): 3**
- EDU 2315 - Technology in the Classroom **Credit(s): 1**
- EDU 2855 - Practicum for Paraeducators **Credit(s): 1-3**
- EDU 3020 - Educational Psychology **Credit(s): 3**
- EDU 3185 - Differentiated Instruction & Assessment **Credit(s): 3**
- EDU 3350 - Foundations of Language and Literacy Instruction **Credit(s): 3**
- EDU 3525 - Teaching Math and Science **Credit(s): 3**
- EDU 3730 - Educational Laws & Regulations **Credit(s): 1**

Unrestricted Electives: (6 credits)

Unrestricted electives for 6 credits (examples: PSY 3050 Child Development; SOC 2040 Race, Ethnicity, Class and Gender; Divisional Choice courses; Education/Special Education electives)

Sport Management (B.S.) - L

Minimum required credits for program: 45

Requirements for the program

- SPL 2010 - Sport Marketing and Promotions **Credit(s): 3**
- SPL 2030 - Athletic Administration **Credit(s): 3**
- SPL 2040 - Sports Information and Media **Credit(s): 3**
- SPL 2050 - Sport Business **Credit(s): 3**
- SPL 2060 - Sport Leadership and Governance **Credit(s): 3**
- SPL 3030 - Facility Design and Event Management **Credit(s): 3**

- SPL 3040 - Sport Resource Management **Credit(s): 3**
- XSC 3130 - Coaching Principles **Credit(s): 3**
- HIS 3155 - Sports in American History **Credit(s): 3**
- SPL 4020 - Sport Law **Credit(s): 3**
- SPL 4720 - Senior Seminar in Sport Management **Credit(s): 3**
- SPL 4810 - Internship in Sport Management **Credit(s): 1-15**
Students must take at least 9 credits of SPL 4810 for the program.

Studio Arts (B.F.A.) - J

The BFA in Studio Arts degree offers a solid background in traditional studio media while at the same time entering the latest in digital art technology. Students get a firm foundation in drawing, painting, sculpture, digital media and art history, with additional electives in photography, printmaking and ceramics. Students go on to create their own self-designed concentration. Admission to the program (generally in the sophomore or junior year) must be followed by a minimum of three semesters of studio work before the thesis exhibition. A student is admitted into the program only upon recommendation by the studio arts faculty and approval by the chairperson, following a successful portfolio review. All majors must participate in the monthly BFA critiques held in the Visual Arts Center Gallery. Each candidate for the BFA must present an exhibition and gallery talk during the final year of study. This exhibit is prepared under the guidance and supervision of the art faculty and must demonstrate proficiency in a chosen area of concentration. Once admitted into the BFA program via their BFA review, students must achieve grades of B- or higher in all ART and ARH courses.

Learning Outcomes for Studio Arts Majors

In addition to the outcomes for the B.A. in art, students with a B.F.A. in studio arts should also be able to:

1. Be familiar with the professional art world, from the perspective of career options, including exhibition venues, graduate school and grant opportunities.
2. Assemble a professional portfolio.
3. Understand the mechanics of setting up a safe and functioning studio.
4. Know how to do a professional exhibition of their art, write about their art and speak about their art at a public event.

Studio Arts Requirements

Required Courses (21 credits)

- ARH 2010 - Survey of Western Traditions in Art **Credit(s): 3**
- ARH 2060 - Survey of Non-Western Traditions in Art **Credit(s): 3**
- ART 1011 - Drawing I (J) **Credit(s): 3**
- ART 1140 - Design I **Credit(s): 3**
- ART 2110 - Introduction to Digital Media **Credit(s): 3**
- ART 2211 - Painting I (J) **Credit(s): 3**
- ART 2251 - Sculpture I (J) **Credit(s): 3**

Introductory Studio Electives (6 credits)

(Select two courses)

- ART 1231 - Ceramics I **Credit(s): 3**

- ART 2150 - Jewelry & Metalsmithing **Credit(s): 3**
- ART 2301 - Photography I (J) **Credit(s): 3**
- ART 2410 - Introduction to Printmaking **Credit(s): 3**

Advanced Art History Electives (6 credits)

(Select two courses)

- ARH 3015 - Greek & Roman Art **Credit(s): 3**
- ARH 3020 - Art of the Renaissance **Credit(s): 3**
- ARH 3060 - Twentieth Century Art **Credit(s): 3**
- ARH 3110 - The Spiritual in Non-Western Art **Credit(s): 3**
- ARH 3120 - Art Criticism **Credit(s): 3**
- ARH 3130 - The History of Photography **Credit(s): 3**
- ARH 3140 - African Art **Credit(s): 3**
- ARH 3150 - Art of the Human Body **Credit(s): 3**
- ARH 3210 - Women in Art **Credit(s): 3**

Advanced Studio Electives (18 credits)

(Select 6 courses)

(All advanced studio courses may be repeated for credit. See below.)

- ART 3031 - Life Drawing (J) **Credit(s): 3**
- ART 3032 - Advanced Drawing **Credit(s): 3**
- ART 3040 - Landscape Painting **Credit(s): 3**
- ART 3222 - Ceramics II **Credit(s): 3**
- ART 3314 - Advanced Printmaking **Credit(s): 3**
- ART 3320 - Monoprints **Credit(s): 3**
- ART 4007 - Graphic Novels **Credit(s): 3**
- ART 4020 - Advanced Digital Media **Credit(s): 3**
- ART 4040 - Advanced Photography **Credit(s): 3**
- ART 4050 - Advanced Painting **Credit(s): 3**
- ART 4060 - Advanced Digital: Graphic Design **Credit(s): 3**
- ART 4070 - Advanced Digital: Web Design for Artists **Credit(s): 3**
- ART 4110 - Visual Art & Performance **Credit(s): 3**
- ART 4130 - Advanced Sculpture **Credit(s): 3**

Required Capstone Courses (9 credits)

- ART 4120 - B.F.A. Project & Exhibit **Credit(s): 3**
- ARH 4720 - Seminar in Contemporary Art Issues **Credit(s): 3**
- ART 4730 - B.F.A. Seminar **Credit(s): 3**

Total: 60 credits

- Students may take the same Advanced Studio course more than once, but no more than twice with the SAME professor unless given special permission by the department chair.
- Grades for BFA Thesis Exhibition will be determined by the thesis advisor in consultation with the full department.
- Once admitted into the BFA program via their BFA Review, students must achieve grades of B- or higher in all ART and ARH courses.

Art Education (PreK-12) Teaching Endorsement at NVU-Johnson

Students pursuing a license to teach art in grades PreK-12 must complete either the Art (B.A.) - J or the Studio Arts (B.F.A.) - J as well as specific teacher-education coursework and requirements. Please refer to the Unified Arts Teacher License Endorsement - J section for details.

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* meet all other Degree Requirements, including the General Education Core Curriculum and NVU Graduation Standards.

Sustainability Studies (B.S.) - L

Minimum required credits for the program: 59-60

Requirements for the program

Students majoring in Sustainability Studies are required to take MAT 1020 or MAT 1060 and MAT 2021 for their Mathematics General Education requirements. Students are strongly advised to complete a minor of their choice.

Core: (39-40 Credits)

- SCI 1000 - First-Year Seminar in Science and Sustainability **Credit(s): 1**
 - BIO 1211 - Introduction to Biology: Ecology and Evolution **Credit(s): 4**
 - ENV 1080 - Introduction to Environmental Science **Credit(s): 4**
 - ENV 2090 - Sustainable Living **Credit(s): 3**
 - ENV 2060 - Energy, Environment, and Society **Credit(s): 4**
 - GEY 1111 - Introduction to Geology I **Credit(s): 4**
 - GEY 2112 - Introduction to Geology II **Credit(s): 4**
 - BIO 4330 - Sustainable Food Systems II **Credit(s): 4**
 - SCI 4610 - Senior Seminar **Credit(s): 1**
 - PHI 2050 - Nature, Science, and Technology **Credit(s): 3**
-
- SCI 4810 - Internship in Environmental Science **Credit(s): 3 to 4**
- OR**
- SCI 4900 - Research in Science **Credit(s): 1 to 4**
Students must complete at least 4 credits of SCI 4900, preferably over at least two terms.

Electives (20 Credits)

Choose at least 20 additional credits at the 3000/4000 level from ATM, BIO, CHE, ENV, GEY, PHY, or SCI.

Technical Theater (A.A.) - J

This career-oriented program includes course work in technical theater skills (stagecraft, lighting and design, music and audio engineering), studio and performing arts, and general management; an internship is required.

Learning Outcomes for Technical Theater Majors

Competency #1: Awareness of and Competency in 21st Century Literacies

Students will:

1. Be able to produce an electronic portfolio of their learning journey, specifically focused on the degree program, in hopes it will become a lifelong process.
2. Demonstrate creativity and collaboration.
3. Expand their global awareness and exposure to diversity and communities.
4. Be able to use information and computer technology.
5. Have an increased civic and economic awareness.
6. Demonstrate basic quantitative reasoning and skills, especially geospatial literacy.
7. Have opportunities to develop leadership.
8. Develop their personal learning network.
9. Be employable in a 21st-century work environment.
10. Be aware of the environmental implications of their discipline.

Competency #2: General Backstage Knowledge and Aptitude

Students will:

1. Demonstrate knowledge of stage etiquette, correct communication and nomenclature.
2. Demonstrate safety and hazard awareness.
3. Understand the organization structure of the theater, related job descriptions, and fulfilling their position(s) within.
4. Consistently exhibit professional attitude, attendance and behavior.
5. Students will collaborate and communicate productively with the crew.

Competency #3: Basic Stage Carpentry Skills

Students will:

1. Demonstrate knowledge of the fly system: loading, mechanics, safety and flying.
2. Understand sight lines, trims, proper handling of masking and drops.
3. Understand basic rigging: knots, shackles, slings, wire clamps, etc.
4. Understand basic set assembly: basic tools and safety, flats and platform, construction, jacks, pipe structures, etc.
5. Load-in, set-up and load-out road shows of all types.

6. Collaborate and communicate productively with a diversity of visions.

Competency #4: Basic Knowledge of Stage Lighting and Set Design and Implementation for Theater, Music and Dance

Students will:

1. Analyze a script, present a storyboard or creative interpretation and concept of the design.
2. Draft a lighting plot, with all related paper work: patch, instrument schedule, cut list, focus chart, etc.
3. Understand WYSIWYG and Emphasis software.
4. Operate, design with and understand intelligent fixtures and other DMX accessories.
5. Understand stage electrics: safety, loads, instruments, maintenance, read, hang, circuit, focus, color and trouble shoot a plot.
6. Demonstrate basic board skills: load a plot, patch, record Q's, Subs and operate.
7. Design a show: document collaboration from concept to actualization.

Competency #5: Basic Knowledge of Sound Systems, Be Able to Set Up, Understand Components, Operate for Theater, Music and Dance

Students will:

1. Understand and use Digital Performer software and other Audio programs.
2. Have a basic understanding of sound theory including EQ, decibels, frequencies, etc.
3. Understand basic system set-ups: Dibden, Performance Space and Andy Shapiro Recording Studio, including: power, tie-ins, FOH, Monitors, Amps, crossover and drive rack configurations.
4. Design sound plots with speaker and mic placement, theory and practice, in each genre.
5. Mix live and for recording when possible for all genres: rock, classical, jazz, folk, pop, theater and musical theater.
6. Be able to set up headsets, hard of hearing systems, lectures, etc., independently.
7. Load-in, set-up and load-out different road shows.
8. Collaborate and communicate productively with a diversity of visitors.

Required Courses

Core Courses (27 credits)

- THA 1041 - Introduction to Theater Arts (J) **Credit(s): 3**
- THA 1111 - Stagecraft **Credit(s): 3**
- THA 2020 - Theater Lab **Credit(s): 3** (12 credits) (4 times; 2 upper-level, 2 lower-level)
- THA 2040 - Performance & Production Lab **Credit(s): 0 or 3 ***
- THA 3130 - Introduction to Design: Costume, Scenic, and Stage Lighting **Credit(s): 3**
- THA 4010 - Performance & Production Lab **Credit(s): 0 or 3 ***

*Students must complete two semesters of THA 2040 and/or THA 4010 for a total of 6 credits.

Career Concentration Component

This component permits students to customize and focus their studies. Students must complete all course work listed within at least one of the following clusters and must complete 12 credits in all:

Performing Arts (10 credits)

- THA 1040 - Interpreting Contemporary Dramatic Literature (J) **Credit(s): 3**
- THA 2035 - Costume Construction & Stage Makeup **Credit(s): 3**

- THA 2121 - Acting I (J) **Credit(s): 3 AND**
- THA 2121L - Acting I Lab **Credit(s): 1 ***
**Students registering for THA 2121 - Acting I (J) must also register for the THA 2121L - Acting I Lab for 1 credit.*

Business Management (9 credits)

- BUS 2015 - Fundamentals of Management in Business **Credit(s): 3**
- BUS 2140 - Personal Finance **Credit(s): 3**
- BUS 2410 - Human Resource Management **Credit(s): 3**

Computer Information Systems (6 credits)

- CIS 3040 - Johnson - Database **Credit(s): 3**

Music & Audio Technology (8 credits)

- MUS 2160 - Introduction to Technology in Music **Credit(s): 2**
- MUS 2231 - Studio Recording I **Credit(s): 3**
- MUS 3272 - Studio Recording II **Credit(s): 3**

Fine & Studio Arts (9 credits)

- ARH 2010 - Survey of Western Traditions in Art **Credit(s): 3**
- ART 1011 - Drawing I (J) **Credit(s): 3**
- ART 1140 - Design I **Credit(s): 3**

Total: 39 credits

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* meet all other Degree Requirements, including the General Education Core Curriculum and NVU Graduation Standards.

Visual Arts (A.A.) - L

Minimum required credits for the program: 27

Core Courses: (6 credits)

- ART 1011 - Drawing I (L) **Credit(s): 3**
- DES 1020 - Design **Credit(s): 3**

Choice Courses: (21 credits)

Choose seven courses from the following list. Only one choice course may be ARH. Students are to take at least one 3000 level course (as a capstone course).

Any ARH course for 3 credits Credits / Units: 3

- ART 1035 - Visual Arts Seminar **Credit(s): 3**
- ART 1045 - Visual Narrative **Credit(s): 3**
- ART 1410 - Digital Photography **Credit(s): 3**
- ART 2020 - Color Theory **Credit(s): 3**
- ART 2030 - Decorative Arts **Credit(s): 3**
- ART 2055 - Onsite Sketching **Credit(s): 3**
- ART 2070 - Introduction to Animation **Credit(s): 3**
- ART 2115 - Digital Arts **Credit(s): 3**
- ART 2121 - Calligraphy I **Credit(s): 3**
- ART 2241 - Painting I (L) **Credit(s): 3**
- ART 2251 - Sculpture I (L) **Credit(s): 3**
- ART 2270 - Introduction to Illustration **Credit(s): 3**
- ART 2301 - Photography I (L) **Credit(s): 3**
- ART 3031 - Life Drawing (L) **Credit(s): 3**
- ART 3060 - Book Arts **Credit(s): 3**
- ART 3061 - Advanced Book Arts **Credit(s): 3**
- ART 3210 - Puppetry **Credit(s): 3**

Visual Communications Design, Digital Advertising Concentration (B.A) - L

Visual Communications Design Core Courses

33 Credits

(Students pursuing the Illustration Concentration need to take ART 1011).

- ART 1011 - Drawing I (L) **Credit(s): 3**
or ART 2020 (Color Theory)
- BUS 2230 - Principles of Marketing **Credit(s): 3**
- COM 2085 - Public Relations, Advertising, and Marketing **Credit(s): 3**
- DES 1015 - Typography **Credit(s): 2**
- DES 1020 - Design **Credit(s): 3**
- DES 1025 - Image Manipulation **Credit(s): 3**
- DES 1035 - Vector Graphics **Credit(s): 3**
- DES 1045 - Page Layout **Credit(s): 3**

- DES 3111 - Print Production **Credit(s): 3**
- DES 3112 - Digital Production **Credit(s): 3**
- DES 4020 - Advanced Typography **Credit(s): 3**

Digital Advertising Concentration

15 Credits

- ART 1410 - Digital Photography **Credit(s): 3**
- ART 3260 - Commercial Photography **Credit(s): 3**
- BUS 3272 - Social-Media Marketing **Credit(s): 3**
- CIN 1060 - Cinema Production I **Credit(s): 3**
- COM 3080 - Strategic Media Communications **Credit(s): 3**

Art History (3 Credits)

Choose three credits from the following courses:

- ARH 2012 - Survey of Western Art II **Credit(s): 3**
- ARH 2070 - History of Photography **Credit(s): 3**
- ARH 3080 - History of Animation and Illustration **Credit(s): 3**
- ARH 3090 - Historical Themes in the Visual Arts **Credit(s): 3**

Capstone Courses (6 Credits)

- DES 4950 - Design Portfolio **Credit(s): 3**

Choose three credits from the following courses:

- ART 4611 - Senior Thesis **Credit(s): 3**
- DES 4810 - Design Internship **Credit(s): 1-6**
- DES 4550 - Design Studio **Credit(s): 3**

Visual Communications Design, Graphic Design Concentration (B.A) - L

Minimum required credits for program: 57

Visual Communications Design Core Courses

33 Credits

(Students pursuing the Illustration Concentration need to take ART 1011).

- ART 1011 - Drawing I (L) **Credit(s): 3**
or ART 2020 (Color Theory)
- BUS 2230 - Principles of Marketing **Credit(s): 3**
- COM 2085 - Public Relations, Advertising, and Marketing **Credit(s): 3**

- DES 1015 - Typography **Credit(s): 2**
- DES 1020 - Design **Credit(s): 3**
- DES 1025 - Image Manipulation **Credit(s): 3**
- DES 1035 - Vector Graphics **Credit(s): 3**
- DES 1045 - Page Layout **Credit(s): 3**
- DES 3111 - Print Production **Credit(s): 3**
- DES 3112 - Digital Production **Credit(s): 3**
- DES 4020 - Advanced Typography **Credit(s): 3**

Graphic Design Concentration (15 Credits)

DES 4550 is repeatable for credit. Take one time for this concentration and a second time for the capstone.

- CIS 2141 - Programming Internet and Web Applications Part I **Credit(s): 3**
- DES 2015 - Web Design I **Credit(s): 3**
- DES 3150 - Packaging Design **Credit(s): 3**
- DES 4010 - Branding **Credit(s): 3**
- DES 4550 - Design Studio **Credit(s): 3**

Art History (3 Credits)

Choose three credits from the following courses:

- ARH 2012 - Survey of Western Art II **Credit(s): 3**
- ARH 2070 - History of Photography **Credit(s): 3**
- ARH 3080 - History of Animation and Illustration **Credit(s): 3**
- ARH 3090 - Historical Themes in the Visual Arts **Credit(s): 3**

Capstone Courses (6 Credits)

- DES 4950 - Design Portfolio **Credit(s): 3**

Choose three credits from the following courses:

- ART 4611 - Senior Thesis **Credit(s): 3**
- DES 4810 - Design Internship **Credit(s): 1-6**
- DES 4550 - Design Studio **Credit(s): 3**

Visual Communications Design, Illustration Concentration (B.A) - L

Visual Communications Design Core Courses

33 Credits

(Students pursuing the Illustration Concentration need to take ART 1011).

- ART 1011 - Drawing I (L) **Credit(s): 3**
or ART 2020 (Color Theory)

- BUS 2230 - Principles of Marketing **Credit(s): 3**
- COM 2085 - Public Relations, Advertising, and Marketing **Credit(s): 3**
- DES 1015 - Typography **Credit(s): 2**
- DES 1020 - Design **Credit(s): 3**
- DES 1025 - Image Manipulation **Credit(s): 3**
- DES 1035 - Vector Graphics **Credit(s): 3**
- DES 1045 - Page Layout **Credit(s): 3**
- DES 3111 - Print Production **Credit(s): 3**
- DES 3112 - Digital Production **Credit(s): 3**
- DES 4020 - Advanced Typography **Credit(s): 3**

Illustration Concentration

15 Credits

- ART 1045 - Visual Narrative **Credit(s): 3**
- ART 2270 - Introduction to Illustration **Credit(s): 3**
- ART 2530 - Illustration: Concepts and Genres **Credit(s): 3**
- ART 3031 - Life Drawing (L) **Credit(s): 3**
- ART 3070 - Illustration: Methods and Practice **Credit(s): 3**

Art History (3 Credits)

Choose three credits from the following courses:

- ARH 2012 - Survey of Western Art II **Credit(s): 3**
- ARH 2070 - History of Photography **Credit(s): 3**
- ARH 3080 - History of Animation and Illustration **Credit(s): 3**
- ARH 3090 - Historical Themes in the Visual Arts **Credit(s): 3**

Capstone Courses (6 Credits)

- DES 4950 - Design Portfolio **Credit(s): 3**

Choose three credits from the following courses:

- ART 4611 - Senior Thesis **Credit(s): 3**
- DES 4810 - Design Internship **Credit(s): 1-6**
- DES 4550 - Design Studio **Credit(s): 3**

Visual Communications Design, Photography Concentration (B.A) - L

Visual Communications Design Core Courses

33 Credits

(Students pursuing the Illustration Concentration need to take ART 1011).

- ART 1011 - Drawing I (L) **Credit(s): 3**
or ART 2020 (Color Theory)
- BUS 2230 - Principles of Marketing **Credit(s): 3**
- COM 2085 - Public Relations, Advertising, and Marketing **Credit(s): 3**
- DES 1015 - Typography **Credit(s): 2**
- DES 1020 - Design **Credit(s): 3**
- DES 1025 - Image Manipulation **Credit(s): 3**
- DES 1035 - Vector Graphics **Credit(s): 3**
- DES 1045 - Page Layout **Credit(s): 3**
- DES 3111 - Print Production **Credit(s): 3**
- DES 3112 - Digital Production **Credit(s): 3**
- DES 4020 - Advanced Typography **Credit(s): 3**

Photography Concentration

15 Credits

- ART 2301 - Photography I (L) **Credit(s): 3**
- ART 2610 - Advanced Digital Photography **Credit(s): 3**
- ART 3260 - Commercial Photography **Credit(s): 3**
- ART 3270 - Advanced Photography **Credit(s): 3**
- CIN 1060 - Cinema Production I **Credit(s): 3**

Art History (3 Credits)

Choose three credits from the following courses:

- ARH 2012 - Survey of Western Art II **Credit(s): 3**
- ARH 2070 - History of Photography **Credit(s): 3**
- ARH 3080 - History of Animation and Illustration **Credit(s): 3**
- ARH 3090 - Historical Themes in the Visual Arts **Credit(s): 3**

Capstone Courses (6 Credits)

- DES 4950 - Design Portfolio **Credit(s): 3**

Choose three credits from the following courses:

- ART 4611 - Senior Thesis **Credit(s): 3**
- DES 4810 - Design Internship **Credit(s): 1-6**
- DES 4550 - Design Studio **Credit(s): 3**

Minor

Adventure Education Minor - J

Required Courses (15 credits)

- OEL 1000 - Introduction to Outdoor Education **Credit(s): 3**
- OEL 1080 - Leadership and Small Group Dynamics **Credit(s): 3**
- OEL 1810 - Outdoor Education Practicum **Credit(s): 3**
- OEL 2060 - Wilderness First Responder **Credit(s): 3**
- OEL 3070 - Adventure Education Theory and Practice **Credit(s): 3**

6 Credits of Skills Courses

Choice of:

- OEL 1121 - Fundamentals of Rock Climbing **Credit(s): 2**
- OEL 1122 - Fundamentals of Mountain Biking **Credit(s): 1**
- OEL 1123 - Fundamentals of Canoeing **Credit(s): 1**
- OEL 1125 - Fundamentals of Kayaking **Credit(s): 1**
- OEL 1126 - Fundamentals of Ice Climbing **Credit(s): 1**
- OEL 1127 - Fundamentals of Alpine Climbing **Credit(s): 1**
- OEL 1128 - Level I Avalanche and Companion Rescue **Credit(s): 2**
- OEL 1150 - Fundamentals of Backcountry Skiing and Riding **Credit(s): 1**
- OEL 2121 - Advanced Single Pitch Rock Climbing **Credit(s): 3**
- OEL 2122 - Advanced Mountain Biking **Credit(s): 2**
- OEL 2123 - Advanced Canoeing **Credit(s): 2**
- OEL 2125 - Advanced Kayaking **Credit(s): 2**
- OEL 2126 - Advanced Ice Climbing **Credit(s): 2**
- OEL 2127 - Advanced Alpine Climbing **Credit(s): 2**
- OEL 2128 - Level II Avalanche **Credit(s): 2**
- OEL 2140 - Ropes Course Leadership **Credit(s): 3**
- OEL 2150 - Advanced Backcountry Skiing and Riding **Credit(s): 2**

Total: 21 credits

Adventure Education Minor - L

21 Credits

Adventure Education

- OEL 1000 - Introduction to Outdoor Education **Credit(s): 3**
- OEL 1080 - Leadership and Small Group Dynamics **Credit(s): 3**
- OEL 1810 - Outdoor Education Practicum **Credit(s): 3**
- OEL 2060 - Wilderness First Responder **Credit(s): 3**
- OEL 3070 - Adventure Education Theory and Practice **Credit(s): 3**

Take six credits of Skills courses (e.g. OEL 1121, Fundamentals of Rock Climbing)

Animation Minor - L

Core

15 Credits

- ART 1011 - Drawing I (L) **Credit(s): 3**
- ART 1045 - Visual Narrative **Credit(s): 3**
- ART 2045 - 3D Modeling for Games and Animation **Credit(s): 3**
- ART 2070 - Introduction to Animation **Credit(s): 3**
- DES 2010 - Moving Image Fundamentals **Credit(s): 3**

Choice

3 Credits

Choose one course from the following:

- ARH 3080 - History of Animation and Illustration **Credit(s): 3**
- ART 3020 - Concept Art for Games and Animation **Credit(s): 3**
- ART 3031 - Life Drawing (L) **Credit(s): 3**
- ART 3415 - Animation Illustration Workshop I **Credit(s): 3**

Anthropology & Sociology Minor - J

Required Courses (9 Credits)

- ANT 1010 - Introduction to Cultural Anthropology **Credit(s): 3**
- SOC 1010 - Introduction to Sociology (J) **Credit(s): 3**

- SOC 4020 - Sociological Theory **Credit(s): 3 OR**
- ANT 3110 - Development of Anthropological Thinking **Credit(s): 3**

Electives (9 Credits)

- Three ANT/SOC - courses, at least 2 must be at the 3000 or 4000 level

Total: 18 credits

Anthropology/Sociology Minor - L

Minimum required for the minor: 18

Requirements for the minor

- ANT 1030 - Introduction to Anthropology **Credit(s): 3**
- SOC 1010 - Introduction to Sociology (L) **Credit(s): 3**

Additional Credits: (12 Credits)

Twelve additional credits in Anthropology or Sociology (including PSY-3090 - Lifespan Across Cultures), at least nine credits at the 3000-4000 level.

Art History Minor - J

Required Courses (6 credits)

- ARH 2010 - Survey of Western Traditions in Art **Credit(s): 3**
- ARH 2060 - Survey of Non-Western Traditions in Art **Credit(s): 3**

Introductory Studio Electives (6 credits):

(Select two courses)

- ART 1011 - Drawing I (J) **Credit(s): 3**
- ART 1231 - Ceramics I **Credit(s): 3**
- ART 2110 - Introduction to Digital Media **Credit(s): 3**
- ART 2150 - Jewelry & Metalsmithing **Credit(s): 3**
- ART 2211 - Painting I (J) **Credit(s): 3**
- ART 2251 - Sculpture I (J) **Credit(s): 3**
- ART 2301 - Photography I (J) **Credit(s): 3**
- ART 2410 - Introduction to Printmaking **Credit(s): 3**

Advanced Art History Electives (9 credits):

(Select three courses)

- ARH 3015 - Greek & Roman Art **Credit(s): 3**
- ARH 3020 - Art of the Renaissance **Credit(s): 3**
- ARH 3060 - Twentieth Century Art **Credit(s): 3**
- ARH 3110 - The Spiritual in Non-Western Art **Credit(s): 3**
- ARH 3120 - Art Criticism **Credit(s): 3**
- ARH 3130 - The History of Photography **Credit(s): 3**
- ARH 3140 - African Art **Credit(s): 3**
- ARH 3210 - Women in Art **Credit(s): 3**
- ARH 4720 - Seminar in Contemporary Art Issues **Credit(s): 3**

Total: 21 credits

Arts Management Minor (for Fine & Performing Arts majors) - J

Required Courses

- ACC 2121 - Financial Accounting **Credit(s): 4**
- ACC 2122 - Managerial Accounting **Credit(s): 4**
- BUS 1210 - Business Software and Spreadsheets **Credit(s): 3**
- BUS 2015 - Fundamentals of Management in Business **Credit(s): 3**
- BUS 2230 - Principles of Marketing **Credit(s): 3**
- BUS 2410 - Human Resource Management **Credit(s): 3**
- ECO 2060 - Survey of Economics **Credit(s): 4**

Total: 24 credits

Atmospheric Sciences Minor - L

Minimum required credits for the minor: 18

Requirements for the Minor in Atmospheric Sciences

- ATM 1211 - Survey of Meteorology I **Credit(s): 2**
- ATM 1212 - Survey of Meteorology II **Credit(s): 3**
- ATM 2061 - Survey of Climate and Statistics I **Credit(s): 2**
- CIS 2101 - Introduction to Unix **Credit(s): 1**

Electives: (6 Credits)

6 credits chosen from among the ATM, CIS, ENV, MAT, or PHY 2000 or higher courses.

Note: ATM 4710 requires department permission; ATM 4820 and ATM 4900 are not included.

Biology Minor - J

Required Courses

- BIO 1211 - Introduction to Biology: Ecology and Evolution **Credit(s): 4**
- BIO 1212 - Introduction to Biology: Cells and Genetic Basis **Credit(s): 4**
- Plus a minimum of 16 biology credits to consist of four 2000-level or higher biology courses of which at least two are at the 3000-4000 level.

Total: 24 credits

Biology Minor - L

Minimum required credits for the minor: 20

Core: (8 Credits)

Take two of the following:

- BIO 1210 - Introduction to Biology **Credit(s): 4**
- BIO 1211 - Introduction to Biology: Ecology and Evolution **Credit(s): 4**
- BIO 1212 - Introduction to Biology: Cells and Genetic Basis **Credit(s): 4**
- BIO 2011 - Human Anatomy & Physiology I **Credit(s): 4**
- BIO 2012 - Human Anatomy and Physiology II **Credit(s): 4**

Electives: (12 Credits)

Take three courses with a BIO designator at the 3000/4000 level.

Broadcast and Digital Journalism Minor - L

Recommended for ATM and SMG students.

Minimum required credits for the minor: 20-21

Requirements for the minor

- JOU 1125 - Television Production and Editing **Credit(s): 3**
- JOU 1221 - Interpersonal Communication **Credit(s): 3**
- JOU 2125 - Advanced Field Production and Digital Editing **Credit(s): 4**
- JOU 2130 - Local News Gathering **Credit(s): 3**
- JOU 2828 - Newsroom Practicum I (Lite) **Credit(s): 1-2**
- JOU 2840 - Professional Communications in Media I **Credit(s): 3**
- JOU 3850 - Social Media in the Media **Credit(s): 3**

Business Minor - J

This minor is available to non-Business majors only. All course choices and sequences should be discussed with an advisor in the Department Business & Economics.

Required Courses (19 credits)

- ACC 2121 - Financial Accounting **Credit(s): 4**
- BUS 1210 - Business Software and Spreadsheets **Credit(s): 3**
- BUS 2015 - Fundamentals of Management in Business **Credit(s): 3**
- BUS 2140 - Personal Finance **Credit(s): 3**
- BUS 2230 - Principles of Marketing **Credit(s): 3**
- BUS 4190 - Leadership in Business **Credit(s): 3**

Total: 19 credits

Business Minor - L

Minimum required credits for the minor: 19

Requirements for the minor

- ACC 2121 - Financial Accounting **Credit(s): 4**
- BUS 1210 - Business Software and Spreadsheets **Credit(s): 3**
- BUS 2015 - Fundamentals of Management in Business **Credit(s): 3**
- BUS 2230 - Principles of Marketing **Credit(s): 3**
- BUS 4190 - Leadership in Business **Credit(s): 3**

Chemistry Minor - J

Required Courses

- CHE 1031 - General Chemistry I **Credit(s): 4**
- CHE 1032 - General Chemistry II **Credit(s): 4**
- CHE-XXXX Two additional upper-level CHE courses **Credit(s): 8**
- ENV 1110 - Introduction to Environmental Problems **Credit(s): 3**

Total: 19 credits

A chemistry minor is not permitted for students who are seeking a B.S. degree in biology.

Cinema Production Minor - L

Minimum required credits for the minor: 19-21

Core Courses (13 credits)

- FLM 1055 - Film Analysis and Appreciation **Credit(s): 3**
- CIN 1060 - Cinema Production I **Credit(s): 3**
- CIN 2060 - Cinema Production II **Credit(s): 3**
- CIN 2110 - Film Theory and Practice **Credit(s): 4**

Choice Courses (6-8 credits)

Choose two courses from:

- CIN 3060 - Directing **Credit(s): 3**
- CIN 4060 - Cinema Production Workshop **Credit(s): 3**

Note: CIN 3060 or CIN 4060 is highly recommended

- FLM 2015 - History of Cinema I **Credit(s): 4**
- FLM 2025 - History of Cinema II **Credit(s): 4**
- FLM 3010 - Auteur Filmmakers Seminar **Credit(s): 4**
- FLM 3320 - Film and Culture Seminar **Credit(s): 3**
- FLM 3610 - Film Studies Seminar **Credit(s): 4**
- JOU 3125 - Post Production I **Credit(s): 3**
- MBI 3170 - Recording and Post-Production Techniques **Credit(s): 3**
- PHI 3065 - Philosophy of Film and Television **Credit(s): 3**
- PHI 3140 - Art Theory and Criticism **Credit(s): 3**
- THA 1041 - Introduction to Theatre **Credit(s): 3**
- THA 2080 - Theatre Arts in The Dramatic Format **Credit(s): 3**

Commercial Production Minor - L

Minimum required credits for the minor: 22

Requirements for the program

- COM 3080 - Strategic Media Communications **Credit(s): 3**
- ENG 2155 - Multimedia Storytelling **Credit(s): 3**
- JOU 2125 - Advanced Field Production and Digital Editing **Credit(s): 4**
- JOU 2135 - Studio Production **Credit(s): 3**
- JOU 3125 - Post Production I **Credit(s): 3**
- JOU 4125 - Post Production II **Credit(s): 3**
- JOU 4220 - Directing **Credit(s): 3**

Creative Writing Minor - J

Required Courses

Introductory-level Creative Writing Course (3 credits)

- ENG 2101 - Creative Writing **Credit(s): 3**

Lower-level Literature Survey Courses (9 credits)

(Take three courses)

- ENG 2171 - World Literature I **Credit(s): 3**
- ENG 2172 - World Literature II **Credit(s): 3**
- ENG 2281 - Survey of English Literature I **Credit(s): 3**
- ENG 2282 - Survey of English Literature II **Credit(s): 3**
- ENG 2321 - Survey of American Literature I **Credit(s): 3**
- ENG 2510 - Women & Literature **Credit(s): 3**

Form & Theory Course (3 credits)

(Take one course)

- ENG 4110 - The Form & Theory of Fiction **Credit(s): 3**
- ENG 4120 - The Form & Theory of Poetry **Credit(s): 3**
- ENG 4130 - The Form & Theory of Nonfiction **Credit(s): 3**

Upper-level Literature Courses (3 credits)

(Take one course)

- ENG 3270 - Myth & Myth Making **Credit(s): 3**
- ENG 3320 - The English Novel **Credit(s): 3**
- ENG 3345 - Contemporary Canadian Literature **Credit(s): 3**
- ENG 3380 - British Romantic Literature **Credit(s): 3**
- ENG 3390 - Literature of the Grotesque **Credit(s): 3**
- ENG 3395 - Satire in Literature **Credit(s): 3**
- ENG 3435 - Practical Grammar **Credit(s): 3**
- ENG 3480 - Modern Literature **Credit(s): 3**
- ENG 3510 - Contemporary Literature **Credit(s): 3**
- ENG 3520 - American Poetry **Credit(s): 3**
- ENG 3525 - Victorian Literature **Credit(s): 3**
- ENG 3530 - The American Novel **Credit(s): 3**
- ENG 3565 - Shakespeare **Credit(s): 3**
- ENG 3580 - African American Literature **Credit(s): 3**
- ENG 3680 - Linguistics & Language History **Credit(s): 3**
- ENG 4720 - Seminar in Literature **Credit(s): 3**

Upper-level Writing Workshops (6 credits)

(Take two courses)

- ENG 3120 - Poetry Workshop **Credit(s): 3**
- ENG 3130 - Fiction Workshop **Credit(s): 3**
- ENG 3140 - The Creative Essay **Credit(s): 3**

Total: 24 credits

Criminal Justice Minor - L

Minimum required credits for the minor: 18

Requirements for the minor

6 Credits

- CRJ 1010 - Introduction to Criminal Justice (L) **Credit(s): 3**
- CRJ 2050 - Criminology **Credit(s): 3**

Electives

Choose 4 courses for a total of 12 credits. At least two courses must be at the 3000 or 4000 level.

- CRJ 2010 - Law Enforcement in America **Credit(s): 3**
- CRJ 2020 - American Judicial Process **Credit(s): 3**
- CRJ 2150 - Community and Restorative Justice (L) **Credit(s): 3**
- CRJ 2160 - Juvenile Justice **Credit(s): 3**
- CRJ 2220 - Environmental Justice **Credit(s): 3**
- CRJ 2510 - Criminal Law **Credit(s): 3**
- CRJ 3120 - White-Collar Crime **Credit(s): 3**
- CRJ 3145 - Criminal Justice Administration **Credit(s): 3**
- CRJ 3155 - Investigation Sciences **Credit(s): 3**
- CRJ 3165 - GIS Applications in Criminal Justice **Credit(s): 3**
- CRJ 3210 - Punishment and Corrections **Credit(s): 3**
- CRJ 3250 - Terrorism **Credit(s): 3**
- CRJ 4710 - Special Topics in Criminal Justice **Credit(s): Variable**
- CRJ 4810 - Internship in Criminal Justice (L) **Credit(s): 3-6**
Only 3 credits of the following may be counted toward the minor:
- HIS 3056 - Race in America **Credit(s): 3**
- PSY 4180 - Exploring Race & Challenging Racism in the US **Credit(s): 3**
- PSY 1130 - Introduction to Substance Abuse **Credit(s): 3**
- PSY 3070 - Abnormal Psychology **Credit(s): 3**

Dance Minor - J

The minor in dance exposes students to the vital aspects of the art as performers, creators and observers. Courses provide students with a conceptual, historical and technical background. Advanced students may become members of the NVU-Johnson Dance Ensemble, our student dance company or may have the opportunity to become an apprentice in the Vermont Dance Collective.

Required Courses

The dance minor consists of a minimum of 24 credits selected from the following courses:

- DAN 1010 - Fundamentals of Dance **Credit(s): 3**
- DAN 1111 - Modern Dance **Credit(s): 3**
- DAN 2010 - Folk Dance **Credit(s): 3**
- DAN 2030 - Improvisation/Composition: Intermediate/Advanced Level **Credit(s): 4**
- DAN 2131 - Ballet **Credit(s): 3**
- DAN 3020 - Intermediate Ballet: Technique & History **Credit(s): 3**
- DAN 3030 - Improvisation/Composition: Intermediate/Advanced Level **Credit(s): 4**
- DAN 3112 - Intermediate Modern Dance: Technique & History **Credit(s): 3**
- DAN 3130 - Jazz Dance **Credit(s): 3**
- DAN 4130 - Advanced Ballet/Modern Dance: Technique & History **Credit(s): 3**

Total: 24 credits

Environmental Chemistry Minor - L

Minimum required credits for the minor: 20

Requirements for the minor

In addition to the courses below, choose at least 4 more credits from any 3000-4000 level CHE offering and/or BIO-3280 (Environmental Toxicology).

- CHE 3112 - Organic Chemistry II **Credit(s): 4**

Environmental Education Minor - J

Required Courses

- ENV 1050 - Introduction to Earth Science **Credit(s): 4**
- ENV 1110 - Introduction to Environmental Problems **Credit(s): 3**
- BIO 3370 - Environmental Interpretation **Credit(s): 3**
- ENV 4010 - Global Environmental Issues **Credit(s): 3**
- ENV-3XXX/4XXX One additional upper-level ENV course **Credit(s): 3**
- OER 3010 - Learning in the Outdoors **Credit(s): 4**

Total: 20 credits

Environmental Science Minor - J

The minor in environmental science provides sufficient background knowledge for students to comprehend the fundamentals of the science that frames the discussion for policy decisions and social action. The minor is appropriate for students who choose to major in business, economics, political science, biology, outdoor education or other majors offered at NVU-Johnson.

Required Courses

- ENV 1050 - Introduction to Earth Science **Credit(s): 4**
- ENV 1110 - Introduction to Environmental Problems **Credit(s): 3**
- ENV 3030 - Water Resources **Credit(s): 3**
- ENV 3040 - Energy & Mineral Resources **Credit(s): 3**
- ENV-3XXX/4XXX Two additional upper-level ENV courses **Credit(s): 6**

Total: 19 credits

Environmental Science Minor - L

Minimum required credits for the program: 19-20

Core

8 Credits

- ENV 1080 - Introduction to Environmental Science **Credit(s): 4**
- Take one of the following:
- BIO 1211 - Introduction to Biology: Ecology and Evolution **Credit(s): 4**
 - ENV 2060 - Energy, Environment, and Society **Credit(s): 4**
 - ENV 3310 - Applications in GIS **Credit(s): 4**
 - CHE 3050 - Environmental Chemistry **Credit(s): 4**

Electives

11-12 Credits

At least 8 credits must be from BIO, CHE, ENV, GEY, PHY, or SCI designators at the 3000/4000 level. Up to 3 credits may be from other designators, with departmental approval.

Exercise Science Minor - L

Minimum required credits for the minor: 21

Requirements for the minor

- XSC 1090 - Introduction to Exercise Science **Credit(s): 3**
- XSC 1255 - Fitness for Health and Performance **Credit(s): 3**
- XSC 2050 - Human Gross Anatomy **Credit(s): 4**
- XSC 2055 - Human Physiology **Credit(s): 4**
- XSC 3120 - Kinesiology **Credit(s): 3**
- XSC 3150 - Physiology of Exercise **Credit(s): 4**

Film Studies Minor - L

Minimum required credits for the minor: 23-26

Requirements for the minor

- FLM 1055 - Film Analysis and Appreciation **Credit(s): 3**
- FLM 2015 - History of Cinema I **Credit(s): 4**
- FLM 2025 - History of Cinema II **Credit(s): 4**

Choice courses: (four courses, with at least 6 FLM credits and at least 9 credits at the 3000/4000 level)

- ENG 2250 - Critical Approaches **Credit(s): 3**
- ENG 3025 - Media and Society **Credit(s): 3**
- ENG 4250 - Advanced Critical Approaches **Credit(s): 3**
- FLM 3010 - Auteur Filmmakers Seminar **Credit(s): 4**
- FLM 3320 - Film and Culture Seminar **Credit(s): 3**
- FLM 3610 - Film Studies Seminar **Credit(s): 4**
- FLM 4010 - Theory of Cinema **Credit(s): 4**
- PHI 3065 - Philosophy of Film and Television **Credit(s): 3**
- PHI 3140 - Art Theory and Criticism **Credit(s): 3**
- THA 2080 - Theatre Arts in The Dramatic Format **Credit(s): 3**

Game Design Minor - L

Minimum required credits for the minor: 18

Requirements for the minor

- ART 1045 - Visual Narrative **Credit(s): 3**
- ART 2045 - 3D Modeling for Games and Animation **Credit(s): 3**
- CIS 1090 - Problem Solving with Computers **Credit(s): 3**
- CIS 2271 - Java Programming **Credit(s): 3**
- CIS 3025 - Advanced Object Oriented Programming **Credit(s): 3**
- DES 2010 - Moving Image Fundamentals **Credit(s): 3**

Gender Studies Minor - J

The gender studies minor combines courses in various departments in order to consider the issue of gender from different perspectives. It is designed to engage men and women students in a wide-ranging level of inquiry that combines historical and contemporary analysis of issues and problems.

Required Courses

Core Courses (6 credits)

- POS 3040 - The Politics of Gender **Credit(s): 3**
- SOC 3050 - Gender and Society (J) **Credit(s): 3**

Electives (12 credits)

(Select four courses):

- ENG 2510 - Women & Literature **Credit(s): 3**

- HIS 2210 - Women in U.S. History **Credit(s): 3**
- HIS 3450 - Women in European History **Credit(s): 3**
- SOC 2040 - Race, Ethnicity, Class, and Gender (J) **Credit(s): 3**
- SOC 3060 - Sexuality & Intimacy **Credit(s): 3**
- SOC 3170 - Power, Politics & Inequality **Credit(s): 3**
- POS 3050 - Environmental Ethics & Politics **Credit(s): 3**

Total: 18 credits

Geology Minor - L

Minimum required credits for the minor: 20

Requirements for the minor

- In addition to the following, any three upper-level geology courses (4 credits each) Credits: 12
- GEY 1111 - Introduction to Geology I **Credit(s): 4**
- GEY 2112 - Introduction to Geology II **Credit(s): 4**

Global Studies Minor - J

The global studies minor is designed to address the demands brought on by the processes of globalization for students pursuing careers and/or graduate study in business, education, history, politics, public service and many other fields.

Required Courses

Core Courses (9 credits)

- HIS 1112 - World History II **Credit(s): 3**
- POS 1010 - Introduction to Political Science **Credit(s): 3 OR**
- POS 1020 - American Politics and Government **Credit(s): 3**
- POS 1030 - Comparative Government **Credit(s): 3 OR**
- POS 2040 - International Relations **Credit(s): 3**

Non-Western Course (3 credits)

(Choose one course)

- HIS 3225 - Latin America: Mexico to Chile; History, Politics, Cultures **Credit(s): 3**
- HIS 3510 - Chinese History & Culture **Credit(s): 3**
- HIS 3520 - Japanese History & Culture **Credit(s): 3**
- HUM 3125 - Religions of the World **Credit(s): 3**
- HUM 3150 - People & Cultures of the Middle East & North Africa **Credit(s): 3**

- HUM 3160 - African Culture **Credit(s): 3**

Electives (Minimum of 9 credits)

(Choose at least nine credits)

- FRE 1111 - French I **Credit(s): 3 AND**
- FRE 1111L - French I Lab **Credit(s): 1**
- FRE 1112 - Intermediate French **Credit(s): 3 AND**
- FRE 1112L - French II Lab **Credit(s): 1**
- FRE 2011 - French III **Credit(s): 3 AND**
- FRE 2011L - French III Lab **Credit(s): 1**
- FRE 2012 - French IV **Credit(s): 3 AND**
- FRE 2012L - French IV Lab **Credit(s): 1**
- FRE 3010 - Culture & Civilization through Correspondence & Conversation **Credit(s): 3**
- HIS 3020 - Greek & Roman History **Credit(s): 3**
- HIS 3040 - Ancient Civilizations of the New World **Credit(s): 3**
- HIS 3090 - Modern German History **Credit(s): 3**
- HIS 3225 - Latin America: Mexico to Chile; History, Politics, Cultures **Credit(s): 3**
- HIS 3312 - Europe in the 20th Century **Credit(s): 3**
- HIS 3350 - Struggle for Democracy **Credit(s): 3**
- HIS 3352 - Britain in the Age of Empire **Credit(s): 3**
- HIS 3355 - The European Enlightenment **Credit(s): 3**
- HIS 3370 - Nationalism & Rebellion in Irish History **Credit(s): 3**
- HIS 3400 - Modern French History **Credit(s): 3**
- HIS 3420 - French Revolution **Credit(s): 3**
- HIS 3430 - History of the Soviet Union **Credit(s): 3**
- HIS 3450 - Women in European History **Credit(s): 3**
- HIS 3510 - Chinese History & Culture **Credit(s): 3**
- HIS 3520 - Japanese History & Culture **Credit(s): 3**
- HUM 3125 - Religions of the World **Credit(s): 3**
- HUM 3150 - People & Cultures of the Middle East & North Africa **Credit(s): 3**
- HUM 3160 - African Culture **Credit(s): 3**
- POS 1030 - Comparative Government **Credit(s): 3** (if not taken as a required course above)
- POS 2040 - International Relations **Credit(s): 3**
- POS 2050 - International Economics & Politics **Credit(s): 3**
- POS 3010 - Survey of Western Political Thought **Credit(s): 3**
- POS 3040 - The Politics of Gender **Credit(s): 3**
- POS 3050 - Environmental Ethics & Politics **Credit(s): 3**
- POS 3070 - Terrorism, Religion & the Nation-State **Credit(s): 3**
- POS 3180 - Politics in Film **Credit(s): 3**
- POS 3210 - Canadian Politics **Credit(s): 3**
- POS 3220 - Genocide: Inhumanity Across the Ages **Credit(s): 3**
- POS 3270 - Revolutions, Transformed Economics & Social Change **Credit(s): 3**

- POS 4010 - American Foreign Policy **Credit(s): 3**
- POS 4020 - International Relations **Credit(s): 3**

- SPA 1011 - Spanish I **Credit(s): 3 AND**
- SPA 1011L - Spanish I Lab **Credit(s): 1**

- SPA 1012 - Spanish II **Credit(s): 3 AND**
- SPA 1012L - Spanish II Lab **Credit(s): 1**

- SPA 2011 - Spanish III **Credit(s): 3 AND**
- SPA 2011L - Spanish III Lab **Credit(s): 1**

- SPA 2012 - Spanish IV **Credit(s): 3 AND**
- SPA 2012L - Spanish IV Lab **Credit(s): 1**

Total: 21 credits

Graphic Design Minor - L

18 Credits

Core

15 Credits

- DES 1015 - Typography **Credit(s): 2**
- DES 1020 - Design **Credit(s): 3**
- DES 1025 - Image Manipulation **Credit(s): 3**
- DES 1035 - Vector Graphics **Credit(s): 3**
- DES 1045 - Page Layout **Credit(s): 3**

Choice

3 Credits

Choose one of the following:

- ART 2020 - Color Theory **Credit(s): 3**
- DES 3111 - Print Production **Credit(s): 3**
- DES 3112 - Digital Production **Credit(s): 3**

Design Distribution: (3 credits)

Take one of the following:

- DES 1035 - Vector Graphics **Credit(s): 3**
OR
- DES 1025 - Image Manipulation **Credit(s): 3**

History Minor - J

The history minor is appropriate for students pursuing careers in teaching, public service, museum work, historic preservation, law and many other fields, as well as those planning graduate study in politics, history, English, anthropology and sociology.

Required Courses (12 credits)

- HIS 1111 - World History I **Credit(s): 3**
- HIS 1112 - World History II **Credit(s): 3**
- HIS 1211 - American History I **Credit(s): 3**
- HIS 1212 - American History II **Credit(s): 3**

Electives (9 credits)

- Upper-level European History Credit(s): 3
- Upper-level American History Credit(s): 3
- Upper-level history: Africa, Asia, Latin America, or the Middle East Credit(s): 3

Total: 21 credits

History Minor - L

Minimum required credits for the minor: 18

Requirements for the minor

Foundations of History (9 Credits)

Choose three of the following:

- HIS 1111 - World History I **Credit(s): 3**
- HIS 1112 - World History II **Credit(s): 3**
- HIS 1211 - American History I **Credit(s): 3**
- HIS 1212 - American History II **Credit(s): 3**

Electives: (9 Credits)

Three additional courses in history at the 3000/4000 level

Holistic Health Minor - J

The minor in Holistic Health is designed for students in other majors who are interested in receiving credit for and taking courses in health, wellness, and alternative medicine.

Required Courses

Core Courses (6 credits)

- AHS 1010 - Contemporary Health Issues **Credit(s): 3**
- SOC 3080 - Wellness & Alternative Medicine **Credit(s): 3**

Alternative Health Systems & Mind-Body Medicine (5 credits)

Choose any 5 credits from the following:

- ANT 3140 - Yoga and Ayurveda: Science & Culture **Credit(s): 3**
- WAM 2010 - Native American Healing - The Lakota & Shamanic Traditions **Credit(s): 1**
- WAM 2020 - Chinese Medicine & Acupuncture I **Credit(s): 1**
- WAM 2040 - Introduction to Meditation **Credit(s): 1**
- WAM 2050 - Herbs: The Medicine Garden **Credit(s): 1**
- WAM 2060 - Naturopathic Medicine **Credit(s): 1**
- WAM 2080 - Homeopathy I **Credit(s): 1**
- WAM 3020 - Chinese Medicine & Acupuncture II **Credit(s): 3**
- WAM 3040 - Mindfulness Meditation **Credit(s): 3**
- WAM 3050 - Herbalism, Wellness & Healing **Credit(s): 3**
- WAM 3080 - Homeopathy II **Credit(s): 3**

Healthcare & Healing Around the World (3 credits)

Choose one of the following:

- ANT 4020 - Multicultural Health, Illness & Healing **Credit(s): 3**
- SOC 4030 - Global Health, Diversity & Policy **Credit(s): 3**
- WAM 3060 - Healing All Wounds: Global Humanitarian Aid and Warzone Medicine **Credit(s): 3**

Nutrition: Biochemistry & Eco-Politics Food & Diet (3 credits)

Choose one of the following:

- BIO 3180 - Nutrition **Credit(s): 3**
- SOC 3240 - Nutrition, Food & Society **Credit(s): 3**
- WAM 3025 - Epigenetics: Diet, Lifestyle & Environment **Credit(s): 3**

Stress: Biopsychological Response & Wellness Lifestyle (3 credits) Choices

Choose one of the following:

- AHS 4025 - Health Behavior: Change & Adherence **Credit(s): 3**
- AHS 4110 - Psychophysiology of Stress **Credit(s): 3**
- WAM 3010 - Living the Good Life **Credit(s): 3**

Total: 20 credits

Human Services Minor - L

(Available only for students who are not Applied Psychology and Human Services majors.)

Minimum required credits for the minor: 18

Requirements for the minor

- PSY - Three credits of Psychology courses - Credits: 3
(excluding PSY 1040, 2811, 2812, 4820, 4921, 4922, and 4720)
- PSY 1010 - Introduction to Psychology **Credit(s): 3**
- PSY 2070 - Developmental Psychology **Credit(s): 3**
- PSY 2270 - Introduction to Human Services **Credit(s): 3**
- PSY 3070 - Abnormal Psychology **Credit(s): 3**
- PSY 4151 - Counseling Theory & Practice **Credit(s): 3**

Journalism Minor - J

Required Courses

- ART 2110 - Introduction to Digital Media **Credit(s): 3**
- ART 2430 - Introduction to Video Production **Credit(s): 3**
- ENG 2051 - Introduction to Journalism **Credit(s): 3**
- ENG 2052 - News Publishing **Credit(s): 3**
- ENG 3020 - Feature Writing **Credit(s): 3**
- ENG 3022 - Advanced News Publishing **Credit(s): 3**
- ENG 4010 - Media Ethics **Credit(s): 3**
- ENG 1260 - Introduction to Photojournalism **Credit(s): 3**

Total: 24 credits

Literature Minor - J

Required Courses

Introductory Survey Courses (12 credits)

(Choose four courses)

- ENG 2171 - World Literature I **Credit(s): 3**
- ENG 2172 - World Literature II **Credit(s): 3**
- ENG 2281 - Survey of English Literature I **Credit(s): 3**

- ENG 2282 - Survey of English Literature II **Credit(s): 3**
- ENG 2321 - Survey of American Literature I **Credit(s): 3**
- ENG 2322 - Survey of American Literature II **Credit(s): 3**

Specialty Courses in Particular Genres, Periods, Themes or Authors (9 credits)

(Choose three courses)

- ENG 3270 - Myth & Myth Making **Credit(s): 3**
- ENG 3320 - The English Novel **Credit(s): 3**
- ENG 3345 - Contemporary Canadian Literature **Credit(s): 3**
- ENG 3380 - British Romantic Literature **Credit(s): 3**
- ENG 3390 - Literature of the Grotesque **Credit(s): 3**
- ENG 3395 - Satire in Literature **Credit(s): 3**
- ENG 3435 - Practical Grammar **Credit(s): 3**
- ENG 3480 - Modern Literature **Credit(s): 3**
- ENG 3510 - Contemporary Literature **Credit(s): 3**
- ENG 3520 - American Poetry **Credit(s): 3**
- ENG 3525 - Victorian Literature **Credit(s): 3**
- ENG 3530 - The American Novel **Credit(s): 3**
- ENG 3565 - Shakespeare **Credit(s): 3**
- ENG 3580 - African American Literature **Credit(s): 3**
- ENG 3680 - Linguistics & Language History **Credit(s): 3**
- ENG 4720 - Seminar in Literature **Credit(s): 3**

Total: 21 credits

Literature Minor - L

Minimum required credits for the minor: 21

Requirements for the minor

Choose 21 credits from the courses below with at least nine credits at the 3000 or 4000 level:

- ENG 2250 - Critical Approaches **Credit(s): 3**
- ENG 2290 - Introduction to British Literature **Credit(s): 3**
- ENG 2325 - Introduction to American Literature **Credit(s): 3**
- ENG 2390 - Introduction to World Literature **Credit(s): 3**
- ENG 2535 - Genre Survey **Credit(s): 3**
- ENG 2545 - Literature and Culture Survey **Credit(s): 3**
- ENG 3385 - Genre Seminar **Credit(s): 3**
- ENG 3545 - Literature and Culture Seminar **Credit(s): 3**
- ENG 4250 - Advanced Critical Approaches **Credit(s): 3**
- ENG 4750 - Senior Seminar **Credit(s): 3**

Marketing Minor - J, L

Minimum required credits for the minor: 21

Requirements for the minor

- BUS 1210 - Business Software and Spreadsheets **Credit(s): 3**
- BUS 2015 - Fundamentals of Management in Business **Credit(s): 3**
- BUS 2230 - Principles of Marketing **Credit(s): 3**
- BUS 3272 - Social-Media Marketing **Credit(s): 3**
- BUS 3160 - Sales Management and Selling **Credit(s): 3**
- BUS 4030 - Marketing Research **Credit(s): 3**
- MAT 2021 - Statistics **Credit(s): 3**

Total: 21 credits

Mathematics Minor - J

Students desiring a minor in mathematics must complete the following requirements:

Required Courses (17 credits)

- MAT 1531 - Calculus I **Credit(s): 4**
- MAT 2020 - Mathematical Reasoning **Credit(s): 3**
- MAT 2021 - Statistics **Credit(s): 3**
- MAT 2532 - Calculus II **Credit(s): 4**
- MAT 3210 - Linear Algebra **Credit(s): 3**

Elective (3-4 credits)

- MAT 3533 - Calculus III **Credit(s): 4** (or any mathematics course at the 3000/4000 level)

Total: 20-21 credits

Students must earn a grade of C or better in all courses for the minor in mathematics.

Mathematics Minor - L

Minimum required credits for the minor: 20

Requirements for the Minor

- MAT 1430 - Trigonometry for Calculus **Credit(s): 1**
- MAT 2021 - Statistics **Credit(s): 3**

- MAT 2544 - Vector Calculus **Credit(s): 1**
- MAT 3310 - Differential Equations **Credit(s): 3**

Mountain Operations Minor - L

21 Credits

Mountain Operations

- BUS 1210 - Business Software and Spreadsheets **Credit(s): 3**
- OEL 1080 - Leadership and Small Group Dynamics **Credit(s): 3**
- OEL 1140 - Introduction to Mountain Resort Management **Credit(s): 3**
- OEL 2050 - Outdoor Emergency Care **Credit(s): 4**
- OEL 2060 - Wilderness First Responder **Credit(s): 3**
- OEL 2210 - Lift Functions and Maintenance **Credit(s): 3**
- OEL 2852 - Snow Maintenance **Credit(s): 3**
- OEL 2855 - Summer Mountain Operations **Credit(s): 3**
- OEL 3050 - Resort Law and Risk Management **Credit(s): 3**

Music Minor - J

The music minor exposes students to a broad overview of music and is an option for students who want to continue playing and studying music but are majoring in another field. Individual lessons and performance opportunities are offered in both traditional and jazz/contemporary settings.

Required Courses (19 credits)

- MUS 1015 - Meet the Masters **Credit(s): 3**
- MUS 1231 - Music Theory I **Credit(s): 3**
- MUS 1232 - Music Theory II **Credit(s): 3**
- Select any two additional MUS courses, at least one of which is at the 3000 level 6 credits

Applied Music Lessons & Ensemble (4 credits)

Select any combination of 4 credits.

- MUS 1120 - Applied Music Lessons **Credit(s): 0.5**
- MUS 2220 - Music Ensemble (J) **Credit(s): 0 or 0.5 or 1 (1 credits)**
- MUS 3240 - Applied Music Lessons **Credit(s): 1**

Total: 23 credits

Music Minor - L

Minimum required credits for the minor: 18

Required Courses

- MUS 1085 - Elements of Music **Credit(s): 3**
- **Choose one of the following:**
- MUS 3330 - Worlds of Music **Credit(s): 3**
- MUS 3350 - Music of the Americas (L) **Credit(s): 3**

Electives

Choose 12 credits from the following list:

- MBI 1360 - Introduction to the Music Industry **Credit(s): 3**
- MBI 2160 - Digital Recording Techniques **Credit(s): 3**
- MBI 2170 - Introduction to Audio Engineering **Credit(s): 3**
- MBI 3180 - Live Sound Reinforcement **Credit(s): 3**
- MUS 1041 - Class Piano I **Credit(s): 3**
- MUS 1175 - History of Western Music: A Survey **Credit(s): 3**
- MUS 1431 - Music Theory I and Ear Training **Credit(s): 3**
- MUS 2070 - Basic Songwriting **Credit(s): 3**
- MUS 2190 - Electronic Music Composition **Credit(s): 3**
- MUS 2340 - Class Instruction in Voice **Credit(s): 3**
- MUS 2341 - Class Guitar I **Credit(s): 3**
- MUS 2430 - Music Theory II and Ear Training **Credit(s): 3**
- MUS 2740 - Music Studies Seminar **Credit(s): 3**

Philosophy Minor - L

Minimum required credits for the minor: 21

Requirements for the minor

Choose 21 credits from the courses below with at least 9 credits from PHI and at least 6 credits at the 3000 or 4000 level:

- PHI 1050 - Ethical Practice **Credit(s): 3**
- PHI 1060 - Logic and Creative Thinking **Credit(s): 3**
- PHI 2050 - Nature, Science, and Technology **Credit(s): 3**
- PHI 2090 - Popular Culture and Philosophy **Credit(s): 3**
- PHI 3065 - Philosophy of Film and Television **Credit(s): 3**
- PHI 3140 - Art Theory and Criticism **Credit(s): 3**
- PHI 4810 - Internship in Philosophy **Credit(s): 2-15**
(Only 3 credits may be counted for the program)
- ENG 2250 - Critical Approaches **Credit(s): 3**
- ENG 3025 - Media and Society **Credit(s): 3**
- ENG 4250 - Advanced Critical Approaches **Credit(s): 3**
- FLM 4010 - Theory of Cinema **Credit(s): 4**

Photography Minor - L

Minimum required credits for the minor: 18

Core Courses: (12 Credits)

- ART 2301 - Photography I (L) **Credit(s): 3**
- ART 3270 - Advanced Photography **Credit(s): 3**
- DES 1020 - Design **Credit(s): 3**
- DES 1025 - Image Manipulation **Credit(s): 3**

Choice Courses: (6 Credits)

Take two of the following courses:

- ARH 2070 - History of Photography **Credit(s): 3**
- ART 1410 - Digital Photography **Credit(s): 3**
- ART 2610 - Advanced Digital Photography **Credit(s): 3**
- ART 3060 - Book Arts **Credit(s): 3**
- ART 3260 - Commercial Photography **Credit(s): 3**

Physics Minor (Calculus-Based) - L

Minimum required credits for the minor: 20

Requirements for the minor

- PHY 2010 - Introduction to Electricity and Electronics **Credit(s): 4**
OR
- PHY 2030 - The Universe **Credit(s): 4**
OR
- ATM 3140 - Physical Meteorology **Credit(s): 3**
- PHY 2061 - Classic Physics I **Credit(s): 4**
- PHY 2062 - Classic Physics II **Credit(s): 4**
- PHY 2063 - Classic Physics III **Credit(s): 4**
- PHY 3120 - Modern Physics **Credit(s): 4**

Physics Minor - L

Minimum required credits for the minor: 20

Requirements for minor

- PHY 2010 - Introduction to Electricity and Electronics **Credit(s): 4**
- PHY 2030 - The Universe **Credit(s): 4**
- PHY 2031 - Fundamental Physics I **Credit(s): 4**
- PHY 2032 - Fundamental Physics II **Credit(s): 4**
- PHY 4110 - Physics Modules **Credit(s): 1 to 4**

Political Science Minor - J

Required Courses

Core Courses (15 credits)

- POS 1010 - Introduction to Political Science **Credit(s): 3**
- POS 1020 - American Politics and Government **Credit(s): 3**
- POS 2050 - International Economics & Politics **Credit(s): 3**
- POS 2110 - State & Local Government **Credit(s): 3**
- POS 3010 - Survey of Western Political Thought **Credit(s): 3 OR**
- POS 3040 - The Politics of Gender **Credit(s): 3**

Electives (6 credits)

- POS-3000/4000 (2 courses) **Credit(s): 6**

Total: 21 credits

Pre-Law Minor - J

Required Courses

Core Courses (15 credits)

- PHI 1040 - Introduction to Ethics **Credit(s): 3**
- POS 1020 - American Politics and Government **Credit(s): 3 OR**
- POS 1010 - Introduction to Political Science **Credit(s): 3**
- POS 2050 - International Economics & Politics **Credit(s): 3 OR**
- POS 3010 - Survey of Western Political Thought **Credit(s): 3**
- POS 2110 - State & Local Government **Credit(s): 3**
- POS 3170 - U.S. Constitutional Law **Credit(s): 3**

Electives

- HUM-3000/4000 (2 courses) Credit(s): 6

Total: 21 credits

Pre-Law Minor - L

Total Credits: 18

Required Courses (9 Credits)

- CRJ 2020 - American Judicial Process **Credit(s): 3**
- PHI 1060 - Logic and Creative Thinking **Credit(s): 3**
- POS 1020 - American Politics and Government **Credit(s): 3**

Electives (9 Credits)

Choose 3 elective courses for 9 credits from the following:

Note: at least one course must be a law course (BUS 2450, CRJ 2510, POS 3170, or SPL 4020), and at least 3 credits must be taken at the 3000 or 4000 level.

- BUS 3240 - Global Business **Credit(s): 3**
- CRJ 2510 - Criminal Law **Credit(s): 3**
- ENG 2250 - Critical Approaches **Credit(s): 3**
- ENG 3010 - Advanced Composition and Rhetoric **Credit(s): 3**
- HIS 1212 - American History II **Credit(s): 3**
- HIS 3330 - Europe since 1914 **Credit(s): 3**
- MBI 3210 - Music Publishing **Credit(s): 3**
- PHI 1050 - Ethical Practice **Credit(s): 3**
- POS 1030 - Comparative Government **Credit(s): 3**
- POS 3060 - Vermont Politics **Credit(s): 3**
- POS 3170 - U.S. Constitutional Law **Credit(s): 3**
- SPL 4020 - Sport Law **Credit(s): 3**

Psychology Minor - J

Required Courses

Core Courses (15 credits)

- PSY 1010 - Introduction to Psychology **Credit(s): 3**
- PSY 2040 - Social Psychology **Credit(s): 3**
- PSY 2070 - Developmental Psychology **Credit(s): 3**
- PSY 3010 - Theories of Personality **Credit(s): 3**
- PSY 3070 - Abnormal Psychology **Credit(s): 3**

Electives (9 credits)

- Nine psychology credits at the 3000 level and above to be chosen at the discretion of the student and advisor.

Total: 24 credits

Psychology Minor - L

(Available only for students who are not Applied Psychology and Human Services majors)

Minimum required credits for the minor: 18

Requirements for the minor

- PSY - Twelve credit hours of PSY courses - Credits: 12
nine of which must be at the 3000-4000 level
(excluding PSY 2811, 2812, 4820, 4921, 4922, and 4720)
- PSY 1010 - Introduction to Psychology **Credit(s): 3**
- PSY 2070 - Developmental Psychology **Credit(s): 3**

Race and Gender Minor - L

Total Credits Required for Minor: 21

Required Courses (12 Credits)

- HIS 3056 - Race in America **Credit(s): 3**
- PSY 4180 - Exploring Race & Challenging Racism in the US **Credit(s): 3**
- SOC 1010 - Introduction to Sociology (L) **Credit(s): 3**
- SOC 3050 - Gender and Society **Credit(s): 3**

Electives (9 Credits)

Choose 3 courses for a total of 9 credits. At least 3 credits must be at the 3000 level.

- ANT 1030 - Introduction to Anthropology **Credit(s): 3**
- ANT 3010 - Native Societies of America **Credit(s): 3**
- ANT 3030 - Comparative Cultures **Credit(s): 3**
- CRJ 2410 - Race, Class, Gender, and Crime **Credit(s): 3**
- HIS 3550 - The Islamic World **Credit(s): 3**

Resort Management Minor - L

21 Credits

Resort Management

- BUS 1210 - Business Software and Spreadsheets **Credit(s): 3**
- OEL 1080 - Leadership and Small Group Dynamics **Credit(s): 3**
- OEL 1140 - Introduction to Mountain Resort Management **Credit(s): 3**
- OEL 2230 - Mountain Resort Software Technologies **Credit(s): 3**
- OEL 2855 - Summer Mountain Operations **Credit(s): 3**
- OEL 3020 - Program and Event Planning **Credit(s): 3**
- OEL 3050 - Resort Law and Risk Management **Credit(s): 3**

Restorative Justice Minor - L

Minimum credits required for the minor: 21

Required Courses (12 Credits)

- CRJ 2150 - Community and Restorative Justice (L) **Credit(s): 3**
- CRJ 3210 - Punishment and Corrections **Credit(s): 3**
- CRJ 3310 - Applying Restorative Justice Methods **Credit(s): 3**
- CRJ 3410 - Peace Making **Credit(s): 3**

Electives (9 Credits)

Select 3 additional CRJ courses.

Russian and Eurasian Studies Minor - L

Minimum required credits for minor: 18

Russian Language Study

Minimum 3 credits required in Russian language earned through coursework or course challenge

- RUS 1011 - Russian I **Credit(s): 3**
- RUS 1012 - Russian II **Credit(s): 3**

Russian and Eurasian Studies Courses

12-15 credits required from courses with Russian and Eurasian studies content. At least nine (9) credits must be earned at the 3000-4000 levels.

- FLL 1010 - Immersion Experience **Credit(s): .5 to 6**
- FLL 2710 - Special Topics in Foreign Language **Credit(s): Variable**
- FLL 2810 - Co-op in Foreign Language **Credit(s): 1 to 6**
- FLL 2910 - Independent Study in Foreign Language **Credit(s): 3**

- GEO 2910 - Independent Study in Geography **Credit(s): 1 to 3**
- HIS 2240 - Survey of Eurasia **Credit(s): 3**
- RUS 2010 - Mystery of Russian Soul and Culture **Credit(s): 3**
- HIS 3440 - Modern Russia **Credit(s): 3**
- HIS 3445 - History of Soviet/Russian Cinema and TV **Credit(s): 3**
- HIS 3330 - Europe since 1914 **Credit(s): 3**
- OR
- HIS 3550 - The Islamic World **Credit(s): 3**
- HIS 4710 - Special Topics in History **Credit(s): Variable**
- POS 3430 - Government and Politics in Russia and Post-Soviet States **Credit(s): 3**
- POS 4710 - Topics in Political Science **Credit(s): Variable**
- SSC 3820 - Global Studies Fieldwork **Credit(s): 1 to 6**
SSC 3820 Global Studies Fieldwork must be associated with an educational trip or experiences of work in Russian Federation and/or other Post-Soviet states or selected courses with the approval of the Social Science department. No more than six (6) credits may be counted toward the minor.
- SSC 2020 - Experience the World **Credit(s): 1**
SSC 2020, Experience the World, must be associated with an educational trip or experiences of work in Russian Federation and/or other Post-Soviet states or selected courses with the approval of the Social Science department.

Sport Management Minor - L

Minimum Required Credits for the Program: 15 Credits

Requirements for the minor

- BUS 1350 - Sport & Society, Sport Management Issues and Concepts **Credit(s): 3**
- SPL 2010 - Sport Marketing and Promotions **Credit(s): 3**
- SPL 2030 - Athletic Administration **Credit(s): 3**
- SPL 3030 - Facility Design and Event Management **Credit(s): 3**
- XSC 2060 - Sport and Exercise Psychology **Credit(s): 3**

Studio Arts Minor - J

The minor in studio arts combines foundation work in drawing and art history with study in the student's choice of four studio areas.

Required Courses

Core Courses (9 credits)

- ARH 2010 - Survey of Western Traditions in Art **Credit(s): 3**
- ARH 2060 - Survey of Non-Western Traditions in Art **Credit(s): 3**
- ART 1011 - Drawing I (J) **Credit(s): 3**

Introductory Studio Electives (12 credits)

(Choose four courses)

- ART 1231 - Ceramics I **Credit(s): 3**
- ART 2110 - Introduction to Digital Media **Credit(s): 3**
- ART 2150 - Jewelry & Metalsmithing **Credit(s): 3**
- ART 2211 - Painting I (J) **Credit(s): 3**
- ART 2251 - Sculpture I (J) **Credit(s): 3**
- ART 2301 - Photography I (J) **Credit(s): 3**
- ART 2410 - Introduction to Printmaking **Credit(s): 3**

Total: 21 credits

Note: Upper-level studio courses may be substituted for up to two of the introductory studio electives.

Sustainability Studies Minor - L

Minimum required credits for the program: 20-21

Core

13 Credits

- ATM 1020 - Introduction to Climate Change **Credit(s): 4**
- ENV 2060 - Energy, Environment, and Society **Credit(s): 4**
- ENV 2090 - Sustainable Living **Credit(s): 3**
- SCI 1070 - Food for Thought **Credit(s): 3**

Electives

Take at least 7 credits at the 3000/4000 level. At least 4 credits must be from BIO, CHE, ENV, GEY, PHY, or SCI. Up to 3 credits may be from other designators, with departmental approval.

Theater Minor - J

The minor in theater provides both a conceptual and practical study of performance and production, as well as a basic historical and literary background.

Required Courses

- THA 1041 - Introduction to Theater Arts (J) **Credit(s): 3**
- THA 1111 - Stagecraft **Credit(s): 3**
- THA 3140 - Theater History **Credit(s): 3**

Select three courses from the following:

- THA 2121 - Acting I (J) **Credit(s): 3 AND**

- THA 2121L - Acting I Lab **Credit(s): 1 ***
- THA 2122 - Acting II (J) **Credit(s): 3**
- THA 3030 - Theater for Young Audiences **Credit(s): 3**
- THA 3123 - Acting III **Credit(s): 3**
- THA 3130 - Introduction to Design: Costume, Scenic, and Stage Lighting **Credit(s): 3**
- THA 3210 - Introduction to Directing **Credit(s): 4** (Credit(s): 3)

Select one course from the following:

(Complete THA 3140 before taking these courses):

- THA 3010 - Shakespeare: On the Stage & On the Page **Credit(s): 3**
- THA 3110 - Dramatic Literature: Classical/Modern **Credit(s): 3**

Total: 21-22 credits

**Students registering for THA 2121 - Acting I (J) must also register for the THA 2121L - Acting I Lab for 1 credit.*

Theater Minor - L

Minimum required credits for the minor: 18

Required Courses

- THA 1040 - Interpreting Contemporary Dramatic Literature **Credit(s): 3**
- THA 1041 - Introduction to Theatre **Credit(s): 3**
- THA 2121 - Acting I (L) **Credit(s): 3**
- THA 2845 - Stagecraft and Tech Crew **Credit(s): 3**

Electives

Choose 6 credits from the following list:

- ENG 3385 - Genre Seminar **Credit(s): 3**
- ENG 3545 - Literature and Culture Seminar **Credit(s): 3**
- THA 2080 - Theatre Arts in The Dramatic Format **Credit(s): 3**
- THA 2122 - Acting II (L) **Credit(s): 3**
- THA 2840 - Theatre Performance and Production **Credit(s): 3**
- THA 3211 - Directing I **Credit(s): 3**

Visual Arts Minor - L

Minimum required credits required for the minor: 18

Core

6 Credits

- ART 1011 - Drawing I (L) **Credit(s): 3**
- DES 1020 - Design **Credit(s): 3**

Choice

12 Credits

Choose four courses from the following list. Only one choice course may be ARH.

Any ARH course for 3 credits Credits / Units: 3

- ART 1410 - Digital Photography **Credit(s): 3**
- ART 2020 - Color Theory **Credit(s): 3**
- ART 2030 - Decorative Arts **Credit(s): 3**
- ART 2055 - Onsite Sketching **Credit(s): 3**
- ART 2115 - Digital Arts **Credit(s): 3**
- ART 2121 - Calligraphy I **Credit(s): 3**
- ART 2241 - Painting I (L) **Credit(s): 3**
- ART 2251 - Sculpture I (L) **Credit(s): 3**
- ART 3031 - Life Drawing (L) **Credit(s): 3**
- ART 3060 - Book Arts **Credit(s): 3**
- ART 3210 - Puppetry **Credit(s): 3**

Wilderness Leadership Minor - J

Required Courses (20 credits)

- OEL 1000 - Introduction to Outdoor Education **Credit(s): 3**
 - OEL 1810 - Outdoor Education Practicum **Credit(s): 3**
 - OEL 2060 - Wilderness First Responder **Credit(s): 3**
 - OEL 2900 - Outdoor Expedition **Credit(s): 1-4**
 - OEL 3240 - Backcountry Leadership **Credit(s): 3**
 - OEL 3850 - Adventure Programming **Credit(s): 4**
- OEL 2060, OEL 2900, OEL 3240, and OEL 3850 are taken within a one semester immersion format.*

1 Credit of Skills Courses

Choice of:

- OEL 1121 - Fundamentals of Rock Climbing **Credit(s): 2**
- OEL 1122 - Fundamentals of Mountain Biking **Credit(s): 1**
- OEL 1123 - Fundamentals of Canoeing **Credit(s): 1**

- OEL 1125 - Fundamentals of Kayaking **Credit(s): 1**
- OEL 1126 - Fundamentals of Ice Climbing **Credit(s): 1**
- OEL 1127 - Fundamentals of Alpine Climbing **Credit(s): 1**
- OEL 1128 - Level I Avalanche and Companion Rescue **Credit(s): 2**
- OEL 1150 - Fundamentals of Backcountry Skiing and Riding **Credit(s): 1**
- OEL 2121 - Advanced Single Pitch Rock Climbing **Credit(s): 3**
- OEL 2122 - Advanced Mountain Biking **Credit(s): 2**
- OEL 2123 - Advanced Canoeing **Credit(s): 2**
- OEL 2125 - Advanced Kayaking **Credit(s): 2**
- OEL 2126 - Advanced Ice Climbing **Credit(s): 2**
- OEL 2127 - Advanced Alpine Climbing **Credit(s): 2**
- OEL 2128 - Level II Avalanche **Credit(s): 2**
- OEL 2140 - Ropes Course Leadership **Credit(s): 3**
- OEL 2150 - Advanced Backcountry Skiing and Riding **Credit(s): 2**

Total: 21 credits

Wilderness Leadership Minor - L

21 Credits

Wilderness Leadership

- OEL 1000 - Introduction to Outdoor Education **Credit(s): 3**
- OEL 1810 - Outdoor Education Practicum **Credit(s): 3**
- OEL 2060 - Wilderness First Responder **Credit(s): 3**
- OEL 2900 - Outdoor Expedition **Credit(s): 1-4**
- OEL 3240 - Backcountry Leadership **Credit(s): 3**
- OEL 3850 - Adventure Programming **Credit(s): 4**

Take a minimum of 1 credit of Skills courses (e.g. OEL 1121, Fundamentals of Rock Climbing).

Writing and Publishing Minor - J

Students will learn the relationships between writers and readers; art and business; and traditional and new technologies related to editing, publishing, and writing. Coursework includes the history of publishing; editing; and writing skills. All students complete a 1-3 credit internship in a relevant area, such as communications, marketing, publishing, or writing.

Program outcomes:

Students will be able to:

1. Understand the history of publishing in the 20th century and how that informs current practices.
2. Demonstrate teamwork in making decisions and carrying out the functions of publications.
3. Write articles, reports, and correspondence in correct format and style.
4. Evaluate critically their own and others' writing for content and style.
5. Communicate effectively with peers, authors, and other professionals.

Required Courses (18 credits)

- ENG 2031 - History and Art of Publishing **Credit(s): 3**
- ENG 2052 - News Publishing **Credit(s): 3**
- ENG 3032 - Literary Publishing in the 21st Century: Green Mountains Review **Credit(s): 3**
- ENG 3020 - Feature Writing **Credit(s): 3**
- ENG 3435 - Practical Grammar **Credit(s): 3**
- ENG 4810 - Internship (J) **Credit(s): 1-12** (a minimum of 3 credits of internship with the *Green Mountains Review*, or in another appropriate placement in the student's area of interest that is approved by the Department Chair, is required.)

Writing Minor - L

Minimum required credits for minor: 21

Requirements for the minor

Choose 21 credits from the courses below with at least nine credits at the 3000 or 4000 level:

- COM 2085 - Public Relations, Advertising, and Marketing **Credit(s): 3**
- COM 3080 - Strategic Media Communications **Credit(s): 3**
- ENG 2130 - Introduction to Writing Poetry **Credit(s): 3**
- ENG 2140 - Introduction to Writing Fiction **Credit(s): 3**
- ENG 2155 - Multimedia Storytelling **Credit(s): 3**
- ENG 3010 - Advanced Composition and Rhetoric **Credit(s): 3**
- ENG 3110 - Creative Writing Workshop **Credit(s): 3**
- ENG 3155 - Creative Writing: Form & Theory **Credit(s): 3**
- ENG 4080 - Advanced Creative Writing Workshop **Credit(s): 3**
- ENG 4810 - Internship in English (L) **Credit(s): 2-15**
(*Only 3 credits may be counted toward the program.*)
- JOU 2040 - Journalistic Writing **Credit(s): 3**
- OEL 3110 - Public Relations **Credit(s): 3**

Other Programs

Explorations - J, L

In the Explorations program, you will use your General Education Core Curriculum requirements as a route to exploring a wide range of courses and disciplines.

Best of all, you don't have to worry about falling behind - even if you declare a major in your second year, you will still have plenty of time to complete all the course requirements for your declared major. Furthermore, you are in good company. Nationally, thirty to forty percent of entering college students have not decided on a major course of study. Once you decide on a specific major, you will then step off this path to pursue the specific requirements of that major. At that point, you will also be reassigned to an advisor within your new declared major.

Explorations Core

First Semester - 15 credits

- Writing course (based upon placement)
- Math course (based upon placement)
- General Education Core Curriculum (GECC) distribution course
- General Education Core Curriculum (GECC) distribution course
- Course in area of interest to student

Second Semester - 15 credits

- Courses chosen in consultation with advisor

General Education Core Curriculum

Creative Audience (1 credit)

All entering NVU-Johnson students must complete two semesters of Creative Audience at 0.5 credits each, for a total of 1 credit. Students attend four events each semester from a wide variety of offerings to complete this requirement. (Note: This applies only to students whose home campus is NVU-Johnson.)

First-Year Seminar (3 credits)

Students entering with 15 or fewer credits must take a First-Year Seminar from the following list of courses:

(Course Type: NFYS)

Course #	Course Title	NVU-Johnson	NVU-Lyndon
AHS 1330	FYS: Being Here on Purpose	X	
ARH 1030	FYS: Art and Ethics	X	
ART 1035	Visual Arts Seminar		X
ART 1080	FYI: iMe	X	
ART 1180	FYS: Art of Social Imagination...	X	
ART 2007	FYS: Comix Go Legit: Graphic Novels	X	
ATM 1060	New Student Seminar in Atmospheric Sciences		X
BIO 1050	FYS: Pretty or Nasty: World of Cosmetics	X	

BUS 1080	FYS: Globalize It?	X	
COM 1035	New Student Seminar in Journalism and Communications		X
DAN 1210	FYS: If I Can't Dance, Keep Your Revolution	X	
EDU 1015	FYS: The Common Book for the Common Good	X	
EDU 1025	Introduction to the Major		X
ENG 1090	FYS: The Vampyre in Western Culture	X	
ENG 1330	FYS: Language of Film	X	
ENG 1430	FYS: Nature Writing	X	
ENG 1360	FYS: DYSTOPIA: Cautionary Tales ...	X	
ENG 1420	FYS: Journaling: Writing in New Territory	X	
ENG 1440	FYS: Thinking Globally	X	
ENG 2355	FYS: Tradition & Identity in Contemporary Literature	X	
HIS 1030	FYS: Hidden History of Vermont	X	
HUM 1020	Cultivating the Cross-Cultural Mind	X	
INT 1020	Entering an Academic Community		X
MAT 1090	FYS: Mathematical Puzzles Through History	X	
MBI 1025	First-Year Music Seminar		X
MUS 1045	FYS: Songwriting for Beginners	X	
MUS 1160	FYS: Music and Culture of New Orleans	X	
OEL 1090	FYS: Deep Survival - Wilderness Lessons for a Complex World	X	
OEL 1095	OEL First Year Seminar		X
PSY 1025	First-Year Seminar: Up With New Students		X
SSC 1040	Intro. to Social Sciences		X
SSC 1050	FYS: A Call to Action	X	
XSC 1025	New Student Seminar in Exercise Science		X

Communicating in the World: Written Expression (6 credits)

Course #	Course Title	NVU-Johnson	NVU-Lyndon
ENG 1071	College Writing	X	
ENG 1072	Exposition & Analysis	X	
ENG 1081	Writing & Reading Strategies for College		X
ENG 1082	Academic Inquiry		X

Mathematics and Computing in the World (6 credits)

(Course Type: NMCW)

Course #	Course Title	NVU-Johnson	NVU-Lyndon
CIS 1090	Problem Solving with Computers		X
CIS 2060	Programming with FORTRAN		X
CIS 2271	JAVA Programming		X
MAT 1020	Intermediate Algebra	X	X
MAT 1060	Problem Solving with Math		X
MAT 1080	Introduction to Quantitative Reasoning	X	
MAT 1221	Finite Mathematics	X	X
MAT 1410	Pre-Calculus	X	X
MAT 1531	Calculus I	X	X
MAT 2010	Number Systems		X
MAT 2021	Statistics	X	X

Natural and Physical Worlds (4 credits)

(Course Type: NNPW)

Course #	Course Title	NVU-Johnson	NVU-Lyndon
ATM 1010	Elementary Meteorology		X
ATM 1030	Elementary Oceanography		X
ATM 1211	Survey of Meteorology I		X
BIO 1210	Introduction to Biology	X	X
BIO 1211	Introduction to Biology: Ecology & Evolution	X	X
BIO 1212	Introduction to Biology: Cells & Genetics Basis	X	X
BIO 2011	Anatomy & Physiology I	X	X
BIO 4320	Sustainable Food Systems I		X
CHE 1023	Outline of General Chemistry		X
CHE 1031	General Chemistry I	X	X
CHE 1055	General, Organic, and Biochemistry	X	
CHE 2020	Introduction to Environmental Chemistry		X
ENV 1050	Introduction to Earth Science	X	
ENV 1080	Introduction to Environmental Science		X
ENV 2040	Introduction to Environmental Restoration		X
ENV 2060	Energy, Environment, and Society		X
GEY 1111	Introduction to Geology I		X
GEY 2112	Introduction to Geology II		X
PHY 2010	Introduction to Electricity and Electronics		X
PHY 2031	Fundamentals of Physics I	X	X
PHY 2061	Classics Physics I		X
XSC 2050	Human Gross Anatomy		X

Being in the World: Society and Behavior (6 credits)

(Course Type: NBEW)

Course #	Course Title	NVU-Johnson	NVU-Lyndon
ANT 3050	Culture, Ecology, and Health		X
ANT 3070	Ecotourism		X
BUS 2015	Fundamentals of Management in Business	X	X
BUS 2140	Personal Finance	X	X
BUS 2230	Principles of Marketing	X	X
BUS 3125	Business Practices & Civic Engagement	X	X
BUS 3240	Global Business	X	X
BUS 3350	Innovation, Creativity and Entrepreneurship		X
CRJ 1010	Introduction to Criminal Justice (J)	X	
CRJ 1010	Introduction to Criminal Justice (L)		X
CRJ 2010	Law Enforcement in America		X
CRJ 2020	American Judicial Process		X
CRJ 2050	Criminology		X
CRJ 2230	Introduction to Criminal Law	X	
CRJ 2510	Criminal Law		X
CRJ 3210	Punishment and Corrections		X
CRJ 3220	International Criminal Justice		X
DAN 1030	Body Awareness	X	
DAN 3032	Body Awareness II	X	
ECO 2060	Survey of Economics	X	X
EDU 2360	Perspectives on Learning	X	
ENG 1280	Fundamentals of Public Speaking		X
ENG 2052	News Publishing	X	

ENG 2085	Public Relations, Advertising, and Marketing		X
ENG 3022	Advanced News Publishing	X	
ENG 3025	Media and Society		X
HIS 3550	The Islamic World		X
JOU 1010	Introduction to Media Communication		X
MBI 1360	Introduction to the Music Industry		X
OEL 1080	Leadership and Small Group Dynamics	X	X
PHI 1040	Introduction to Ethics	X	
PHI 1050	Ethical Practice		X
PHI 1060	Logic and Creative Thinking		X
POS 1010	Introduction to Political Science	X	X
POS 1020	American Politics and Government	X	X
POS 1030	Comparative Government	X	X
POS 2010	Observation of the Legislative Process	X	
POS 2040	International Relations	X	X
POS 2050	International Economics and Politics	X	
POS 3050	Environmental Ethics and Politics	X	
POS 3060	Vermont Politics	X	X
POS 3210	Canadian Politics	X	
POS 3220	Genocide: Inhumanity Across the Ages	X	
POS 3430	Government and Politics in Russia and Post-Soviet States		X
PSY 1010	Introduction to Psychology	X	X
PSY 2040	Social Psychology	X	
PSY 2070	Developmental Psychology	X	X
PSY 2120	Human Sexuality		X

PSY 3210	Perspectives on Death and Dying		X
SOC 1010	Introduction to Sociology (J)	X	
SOC 1010	Introduction to Sociology (L)		X
SOC 2050	Drugs, Herbs & Society	X	
SOC 3050	Gender and Society (J)	X	
SOC 3050	Gender and Society (L)		X
SOC 3060	Sexuality & Intimacy	X	
SOC 3170	Power, Politics & Inequality	X	
SOC 3250	To War and Back	X	

Creativity in the World: Art and Aesthetics (6 credits)

(Course Type: NCRW)

Course #	Course Title	NVU-Johnson	NVU-Lyndon
ART 1011	Drawing I	X	
ART 1011	Drawing I		X
ART 1015	Art Foundations		X
ART 1410	Digital Photography		X
ART 2030	Decorative Arts		X
ART 2055	Onsite Sketching		X
ART 2110	Introduction to Digital Media	X	
ART 2115	Digital Arts		X
ART 2121	Calligraphy I		X
ART 2211	Painting I	X	
ART 2241	Painting I		X
ART 2251	Sculpture I	X	

ART 2251	Sculpture I		X
ART 2301	Photography I	X	X
ART 2301	Photography		X
ART 3060	Book Arts		X
ART 3210	Puppetry		X
CIN 1060	Cinema Production I		X
DAN 1010	Fundamentals of Dance	X	
DAN 1111	Modern Dance	X	
DAN 2131	Ballet	X	
DAN 3020	Intermediate Ballet: Technique & History	X	
DAN 3112	Intermediate Modern Dance: Technique & History	X	
DES 2030	Fundamentals of Web Design		X
ENG 2101	Creative Writing	X	
ENG 2130	Introduction to Writing Poetry		X
ENG 2140	Introduction to Writing Fiction		X
ENG 2155	Multimedia Storytelling		X
ENG 3010	Advanced Composition and Rhetoric		X
ENG 3110	Creative Writing Workshop		X
ENG 3135	Writing Lyric: Form and Theory		X
ENG 3145	Writing Narrative: Form and Theory		X
ENV 2025	Nature Photography	X	
HIS 3445	History of Soviet/Russian Cinema and TV		X
INT 3150	Godel/Escher/Bach: An Eternal Golden Braid	X	
MAT 3040	Geometrical Reasoning	X	
MUS 1041	Class Piano I		X

MUS 1042	Class Piano II		X
MUS 1030	Music Fundamentals	X	
MUS 1085	Elements of Music		X
MUS 1231	Music Theory I	X	
MUS 1431	Music Theory I and Ear Training		X
MUS 2070	Basic Songwriting		X
MUS 2340	Class Instruction in Voice		X
MUS 2341	Class Guitar I		X
MUS 3260	Music Theater Workshop	X	
RUS 2010	Mystery of Russian Soul and Culture		X
THA 1040	Interpreting Contemporary Dramatic Literature (L)		X
THA 1040	Interpreting Contemporary Dramatic Literature (J)	X	
THA 1041	Introduction to Theater Arts (J)	X	
THA 1041	Introduction to Theater Arts (L)		X
THA 2080	Theatre Arts in The Dramatic Format		X
THA 2121	Acting I (J)	X	
THA 2121	Acting I (L)		X
THA 2122	Acting II (J)	X	
THA 2122	Acting II (L)		X
THA 3030	Theater for Young Audiences	X	
THA 3210	Introduction to Directing	X	
THA 3211	Directing I		X

Diversity in the World: History and Culture (6 credits)

(Course Type: NDVW)

Course #	Course Title	NVU-Johnson	NVU-Lyndon
ANT 1010	Introduction to Cultural Anthropology	X	
ANT 1030	Introduction to Anthropology		X
ANT 3010	Native Societies of America		X
ANT 3020	Religion, Culture & Alternate Realities	X	
ANT 3030	Comparative Cultures		X
ANT 3060	Ethnocuisine		X
ANT 3310	Myth, Magic, & Religion		X
ANT 3820	Anthropology Fieldwork		X
ARH 2010	Survey of Western Traditions in Art	X	
ARH 2011	Survey of Western Art I		X
ARH 2012	Survey of Western Art II		X
ARH 2060	Survey of Non-Western Traditions in Art	X	
ARH 2070	History of Photography		X
ARH 3110	The Spiritual in Non-Western Art	X	
ART 1045	Visual Narrative		X
DAN 2010	Folk Dance	X	
DAN 3010	The Renaissance Spirit	X	
DAN 3180	Folk Dance II	X	
DAN 3210	The Emporer Ain't Naked: History Western European Fashion/Social Dance	X	
EDU 2365	The Ecology of the Human Experience: Development, Culture, & Identity	X	
ENG 1310	Introduction to Literature (J)	X	
ENG 1310	Introduction to Literature (L)		X
ENG 2250	Critical Approaches		X
ENG 2281	Survey of English Literature I	X	

ENG 2282	Survey of English Literature II	X	
ENG 2290	Survey of British Literature & Culture		X
ENG 2325	Survey of American Literature & Culture		X
ENG 2390	World Literature: Explorations		X
ENG 2535	Genre Survey		X
ENG 2540	Global English: Forms, Roles, and Issues		X
ENG 2545	Literature and Culture Survey		X
ENG 3090	QE: Horse & Human Culture	X	
ENG 3385	Genre Seminar		X
ENG 3545	Literature and Culture Seminar		X
FLM 1055	Film Analysis and Appreciation		X
FLM 2015	History of Cinema I		X
FLM 2025	History of Cinema II		X
FLM 3010	Auteur Filmmakers Seminar		X
FLM 3320	Film and Culture Seminar		X
FLM 3610	Film Studies Seminar		X
FLM 4010	Theory of Cinema		X
FRE 1111	French I	X	X
FRE 1112	Intermediate French	X	X
HIS 1011	Western Civilization I		X
HIS 1020	Comparative Civilizations		X
HIS 1111	World History I	X	
HIS 1112	World History II	X	
HIS 1211	American History I	X	X
HIS 1212	American History II	X	X

HIS 2240	Survey of Eurasia		X
HIS 3155	Sports in American History		X
HIS 3165	Vermont History	X	X
HIS 3280	The History of American Recording Industry		X
HIS 3310	18th & 19th Centuries Europe		X
HIS 3330	Europe Since 1914		X
HIS 3440	Modern Russia		X
HIS 3530	Modern East & Southeast Asia		X
HIS 3540	Modern South Asia		X
HIS 3550	The Islamic World		X
HUM 3125	Religions of the World	X	
HUM 3150	People and Cultures of the Middle East & Northern Africa	X	
HUM 3160	African Culture	X	
INT 3210	The Holocaust: An Interdisciplinary Approach	X	
JOU 2160	History of Journalism		X
MAT 3010	History of Mathematics		X
MUS 1175	History of Western Music: A Survey		X
MUS 2280	Drumming Across Cultures		X
MUS 2740	Music Studies Seminar		X
MUS 3031	History of Western Music I	X	
MUS 3032	History of Western Music II	X	
MUS 3040	Jazz in America	X	
MUS 3050	Social History of Rock & Roll	X	
MUS 3220	History of the Blues	X	
MUS 3330	Worlds of Music	X	X

MUS 3350	Music of the Americas		X
OEL 1010	Leisure and Tourism in Society	X	X
PHI 1010	Introduction to Philosophy	X	
PHI 2050	Nature, Science, and Technology		X
PHI 2090	Popular Culture and Philosophy		X
PHI 3065	Philosophy of Film and TV		X
PHI 3140	Art Theory and Criticism		X
PSY 3025	History of Modern Psychology		X
PSY 3090	Lifespan Across Cultures		X
RUS 1011	Russian I		X
RUS 1012	Russian II		X
SCI 4010	History of Science		X
SCI 4110	History of Agriculture		X
SPA 1011	Spanish I	X	X
SPA 1012	Spanish II	X	X
SSC 3820	Global Studies Fieldwork		X
THA 3010	Shakespeare: On the Stage & On the Page	X	

Enriched Course in Climate Change, Sustainability, or Social Justice (3-4 credits)

(Course Type: NCCSE)

Course #	Course Title	NVU-Johnson	NVU-Lyndon
ANT 4020	Multicultural Health, Illness & Healing	X	
ATM 1020	Introduction to Climate Change		X
ATM 2062	Survey of Climate and Statistics II		X

ATM 2210	Geophysical & Human Interactions		X
BUS 1360	Introduction to Sustainability	X	
BUS 3440	Ecotourism and Sustainability	X	
CRJ 2220	Environmental Justice		X
EDU 4630	Integrated Elem Methods Pract: Intention, Knowledge & Presence	X	
ENG 3010	Advanced Composition and Rhetoric		X
ENG 3385	Genre Seminar		X
ENG 3545	Literature and Culture Seminar		X
ENV 1040	Introduction to Oceanography	X	
ENV 1090	Introduction to Weather, Climate, and Climate Change	X	
ENV 1110	Introduction to Environmental Problems	X	
ENV 2080	The Anthropocene	X	
ENV 2090	Sustainable Living		X
GEO 1010	Introduction to Geography	X	X
GEY 1111	Introduction to Geology I		X
HIS 3056	Race in America		X
POS 3050	Environmental Ethics & Politics	X	
PSY 4180	Exploring Race and Challenging Racism in the U.S.		X
SCI 1030	The Life, Earth, and Physical Sciences		X
SCI 1070	Food for Thought		X
SOC 3020	Environment and Society	X	

Performance, Arts, & Technology (B.A.): Immersive Design Concentration - J

Performance, Arts, & Technology Core Required Courses

- PAT 1111 - Performance Art Practicum: Collaborative Boot Camp **Credit(s): 3**
- PAT 2001 - Devised Performance Lab **Credit(s): 3**
- PAT 4001 - Devised Performance Lab **Credit(s): 3**
- PAT 4050 - History of Performance: Theatre, Music, Dance, and Design **Credit(s): 3**
- THA 1111 - Stagecraft **Credit(s): 3**
- THA 3130 - Introduction to Design: Costume, Scenic, and Stage Lighting **Credit(s): 3**
- THA 4720 - Senior Project in Theater **Credit(s): 3**
- THA 4730 - Seminar in Professional Preparation for the Actor **Credit(s): 3**

Immersive Design Concentration Courses

- THA 1040 - Interpreting Contemporary Dramatic Literature (J) **Credit(s): 3**
- THA 1041 - Introduction to Theater Arts (J) **Credit(s): 3**
- THA 1111 - Stagecraft **Credit(s): 3**
- THA 2020 - Theater Lab **Credit(s): 3**
- THA 2040 - Performance & Production Lab **Credit(s): 0 or 3**
OR THA 4010 (Performance & Production Lab)
OR MUS 2350 (Music Theater Production)
OR MUS 4010 (Music Theater Production)
- PAT 3010 - Sound and Light Design for Contemporary Performance **Credit(s): 3**

Performance, Arts, & Technology Core Elective Courses

Take one of the following:

- MBI 2510 - Pro Tools 101: Introduction to Pro Tools **Credit(s): 2**
- MBI 2511 - Pro Tools 110: Pro Tools Production **Credit(s): 2**
- MUS 3140 - Arranging/Orchestration **Credit(s): 3**
- MUS 3230 - Survey of American Musical Theater **Credit(s): 3**
- MUS 3260 - Music Theater Workshop **Credit(s): 3**
- PAT 3050 - Podcast Storytelling **Credit(s): 3**
- PAT 3150 - Hitchcock's Smartphone: The Making of Psychologically Engaging Short Videos **Credit(s): 3**
- THA 2040 - Performance & Production Lab **Credit(s): 0 or 3**
OR THA 4010 (Performance & Production Lab)
OR MUS 2350 (Music Theater Production)
OR MUS 4010 (Music Theater Production)
- THA 3010 - Shakespeare: On the Stage & On the Page **Credit(s): 3**
- THA 3040 - Improvisation for Actors **Credit(s): 3**
- THA 3123 - Acting III **Credit(s): 3**

Pre-Atmospheric Sciences Program - L

Preparation for the Atmospheric Sciences Program

Motivated students whose science or math background needs to be improved for a successful college experience in atmospheric sciences are enrolled in this preparatory group of courses. Students typically include one or more mathematics courses to prepare for college pre-calculus (the starting mathematics course in atmospheric sciences degree programs) and a physics course to

prepare for college calculus-based physics (the starting physics course in atmospheric sciences degree programs). Students beginning their study of atmospheric sciences with these preparatory courses will require at least five years for a B.S. degree in atmospheric sciences.

- ENG (as per placement test) Credits: 3

- ATM 1040 - Field Experience **Credit(s): 0.5 to 3**
Advised Term - 1st Semester (2 credits)
- ATM 1050 - Problem Solving in Atmospheric Sciences **Credit(s): 3**
Advised Term - 2nd Semester
- INT 1020 - Entering an Academic Community **Credit(s): 3**
Advised Term - 1st Semester
- MAT 1410 - Pre-Calculus **Credit(s): 4**
Advised Term - 2nd Semester
- PHY 2031 - Fundamental Physics I **Credit(s): 4**
Advised Term - 2nd Semester

Pre-Health Professional Curricula - L

The department offers a pre-health professional curriculum for students who plan to apply to programs in medicine, dentistry, medical technology and related fields. This curriculum is not a degree program but includes courses typically required by medical and dental schools. Students are advised to find out the exact requirements from the institutions to which they are planning to apply. Admission to these schools is highly competitive and students may benefit from taking additional courses beyond the minimum curriculum suggested below. Although students may apply to professional health schools with a bachelor's degree in any field, it may be to the student's advantage to obtain a degree in the natural sciences. Interested students should consult with their advisors on this and related issues.

Students planning to apply to a medical school should also take two semesters of calculus.

Recommended Curriculum

The following curriculum is recommended for students interested in pre-health studies:

- BIO 1211 - Introduction to Biology: Ecology and Evolution **Credit(s): 4**
- BIO 1212 - Introduction to Biology: Cells and Genetic Basis **Credit(s): 4**
- CHE 3112 - Organic Chemistry II **Credit(s): 4**
- PHY 2031 - Fundamental Physics I **Credit(s): 4**
- PHY 2032 - Fundamental Physics II **Credit(s): 4**
- PHY 2061 - Classic Physics I **Credit(s): 4**
- PHY 2062 - Classic Physics II **Credit(s): 4**
- PHY 2063 - Classic Physics III **Credit(s): 4**

Academic Programs by Department

- L = Lyndon Campus Programs
- J = Johnson Campus Programs
- O = Online Programs

Northern Vermont University

NVU General Education Core Curriculum

General Education Core Curriculum

Creative Audience (1 credit)

All entering NVU-Johnson students must complete two semesters of Creative Audience at 0.5 credits each, for a total of 1 credit. Students attend four events each semester from a wide variety of offerings to complete this requirement. (Note: This applies only to students whose home campus is NVU-Johnson.)

First-Year Seminar (3 credits)

Students entering with 15 or fewer credits must take a First-Year Seminar from the following list of courses:

(Course Type: NFYS)

Course #	Course Title	NVU-Johnson	NVU-Lyndon
AHS 1330	FYS: Being Here on Purpose	X	
ARH 1030	FYS: Art and Ethics	X	
ART 1035	Visual Arts Seminar		X
ART 1080	FYI: iMe	X	
ART 1180	FYS: Art of Social Imagination...	X	
ART 2007	FYS: Comix Go Legit: Graphic Novels	X	
ATM 1060	New Student Seminar in Atmospheric Sciences		X
BIO 1050	FYS: Pretty or Nasty: World of Cosmetics	X	
BUS 1080	FYS: Globalize It?	X	
COM 1035	New Student Seminar in Journalism and Communications		X

DAN 1210	FYS: If I Can't Dance, Keep Your Revolution	X	
EDU 1015	FYS: The Common Book for the Common Good	X	
EDU 1025	Introduction to the Major		X
ENG 1090	FYS: The Vampyre in Western Culture	X	
ENG 1330	FYS: Language of Film	X	
ENG 1430	FYS: Nature Writing	X	
ENG 1360	FYS: DYSTOPIA: Cautionary Tales ...	X	
ENG 1420	FYS: Journaling: Writing in New Territory	X	
ENG 1440	FYS: Thinking Globally	X	
ENG 2355	FYS: Tradition & Identity in Contemporary Literature	X	
HIS 1030	FYS: Hidden History of Vermont	X	
HUM 1020	Cultivating the Cross-Cultural Mind	X	
INT 1020	Entering an Academic Community		X
MAT 1090	FYS: Mathematical Puzzles Through History	X	
MBI 1025	First-Year Music Seminar		X
MUS 1045	FYS: Songwriting for Beginners	X	
MUS 1160	FYS: Music and Culture of New Orleans	X	
OEL 1090	FYS: Deep Survival - Wilderness Lessons for a Complex World	X	
OEL 1095	OEL First Year Seminar		X
PSY 1025	First-Year Seminar: Up With New Students		X
SSC 1040	Intro. to Social Sciences		X
SSC 1050	FYS: A Call to Action	X	
XSC 1025	New Student Seminar in Exercise Science		X

Communicating in the World: Written Expression (6 credits)

Course #	Course Title	NVU-Johnson	NVU-Lyndon
ENG 1071	College Writing	X	
ENG 1072	Exposition & Analysis	X	
ENG 1081	Writing & Reading Strategies for College		X
ENG 1082	Academic Inquiry		X

Mathematics and Computing in the World (6 credits)

(Course Type: NMCW)

Course #	Course Title	NVU-Johnson	NVU-Lyndon
CIS 1090	Problem Solving with Computers		X
CIS 2060	Programming with FORTRAN		X
CIS 2271	JAVA Programming		X
MAT 1020	Intermediate Algebra	X	X
MAT 1060	Problem Solving with Math		X
MAT 1080	Introduction to Quantitative Reasoning	X	
MAT 1221	Finite Mathematics	X	X
MAT 1410	Pre-Calculus	X	X
MAT 1531	Calculus I	X	X
MAT 2010	Number Systems		X
MAT 2021	Statistics	X	X

Natural and Physical Worlds (4 credits)

(Course Type: NNPW)

Course #	Course Title	NVU-Johnson	NVU-Lyndon
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ATM 1010	Elementary Meteorology		X
ATM 1030	Elementary Oceanography		X
ATM 1211	Survey of Meteorology I		X
BIO 1210	Introduction to Biology	X	X
BIO 1211	Introduction to Biology: Ecology & Evolution	X	X
BIO 1212	Introduction to Biology: Cells & Genetics Basis	X	X
BIO 2011	Anatomy & Physiology I	X	X
BIO 4320	Sustainable Food Systems I		X
CHE 1023	Outline of General Chemistry		X
CHE 1031	General Chemistry I	X	X
CHE 1055	General, Organic, and Biochemistry	X	
CHE 2020	Introduction to Environmental Chemistry		X
ENV 1050	Introduction to Earth Science	X	
ENV 1080	Introduction to Environmental Science		X
ENV 2040	Introduction to Environmental Restoration		X
ENV 2060	Energy, Environment, and Society		X
GEY 1111	Introduction to Geology I		X
GEY 2112	Introduction to Geology II		X
PHY 2010	Introduction to Electricity and Electronics		X
PHY 2031	Fundamentals of Physics I	X	X
PHY 2061	Classics Physics I		X
XSC 2050	Human Gross Anatomy		X

Being in the World: Society and Behavior (6 credits)

(Course Type: NBEW)

Course #	Course Title	NVU-Johnson	NVU-Lyndon
ANT 3050	Culture, Ecology, and Health		X
ANT 3070	Ecotourism		X
BUS 2015	Fundamentals of Management in Business	X	X
BUS 2140	Personal Finance	X	X
BUS 2230	Principles of Marketing	X	X
BUS 3125	Business Practices & Civic Engagement	X	X
BUS 3240	Global Business	X	X
BUS 3350	Innovation, Creativity and Entrepreneurship		X
CRJ 1010	Introduction to Criminal Justice (J)	X	
CRJ 1010	Introduction to Criminal Justice (L)		X
CRJ 2010	Law Enforcement in America		X
CRJ 2020	American Judicial Process		X
CRJ 2050	Criminology		X
CRJ 2230	Introduction to Criminal Law	X	
CRJ 2510	Criminal Law		X
CRJ 3210	Punishment and Corrections		X
CRJ 3220	International Criminal Justice		X
DAN 1030	Body Awareness	X	
DAN 3032	Body Awareness II	X	
ECO 2060	Survey of Economics	X	X
EDU 2360	Perspectives on Learning	X	
ENG 1280	Fundamentals of Public Speaking		X
ENG 2052	News Publishing	X	
ENG 2085	Public Relations, Advertising, and Marketing		X

ENG 3022	Advanced News Publishing	X	
ENG 3025	Media and Society		X
HIS 3550	The Islamic World		X
JOU 1010	Introduction to Media Communication		X
MBI 1360	Introduction to the Music Industry		X
OEL 1080	Leadership and Small Group Dynamics	X	X
PHI 1040	Introduction to Ethics	X	
PHI 1050	Ethical Practice		X
PHI 1060	Logic and Creative Thinking		X
POS 1010	Introduction to Political Science	X	X
POS 1020	American Politics and Government	X	X
POS 1030	Comparative Government	X	X
POS 2010	Observation of the Legislative Process	X	
POS 2040	International Relations	X	X
POS 2050	International Economics and Politics	X	
POS 3050	Environmental Ethics and Politics	X	
POS 3060	Vermont Politics	X	X
POS 3210	Canadian Politics	X	
POS 3220	Genocide: Inhumanity Across the Ages	X	
POS 3430	Government and Politics in Russia and Post-Soviet States		X
PSY 1010	Introduction to Psychology	X	X
PSY 2040	Social Psychology	X	
PSY 2070	Developmental Psychology	X	X
PSY 2120	Human Sexuality		X
PSY 3210	Perspectives on Death and Dying		X

SOC 1010	Introduction to Sociology (J)	X	
SOC 1010	Introduction to Sociology (L)		X
SOC 2050	Drugs, Herbs & Society	X	
SOC 3050	Gender and Society (J)	X	
SOC 3050	Gender and Society (L)		X
SOC 3060	Sexuality & Intimacy	X	
SOC 3170	Power, Politics & Inequality	X	
SOC 3250	To War and Back	X	

Creativity in the World: Art and Aesthetics (6 credits)

(Course Type: NCRW)

Course #	Course Title	NVU-Johnson	NVU-Lyndon
ART 1011	Drawing I	X	
ART 1011	Drawing I		X
ART 1015	Art Foundations		X
ART 1410	Digital Photography		X
ART 2030	Decorative Arts		X
ART 2055	Onsite Sketching		X
ART 2110	Introduction to Digital Media	X	
ART 2115	Digital Arts		X
ART 2121	Calligraphy I		X
ART 2211	Painting I	X	
ART 2241	Painting I		X
ART 2251	Sculpture I	X	
ART 2251	Sculpture I		X

ART 2301	Photography I	X	X
ART 2301	Photography		X
ART 3060	Book Arts		X
ART 3210	Puppetry		X
CIN 1060	Cinema Production I		X
DAN 1010	Fundamentals of Dance	X	
DAN 1111	Modern Dance	X	
DAN 2131	Ballet	X	
DAN 3020	Intermediate Ballet: Technique & History	X	
DAN 3112	Intermediate Modern Dance: Technique & History	X	
DES 2030	Fundamentals of Web Design		X
ENG 2101	Creative Writing	X	
ENG 2130	Introduction to Writing Poetry		X
ENG 2140	Introduction to Writing Fiction		X
ENG 2155	Multimedia Storytelling		X
ENG 3010	Advanced Composition and Rhetoric		X
ENG 3110	Creative Writing Workshop		X
ENG 3135	Writing Lyric: Form and Theory		X
ENG 3145	Writing Narrative: Form and Theory		X
ENV 2025	Nature Photography	X	
HIS 3445	History of Soviet/Russian Cinema and TV		X
INT 3150	Godel/Escher/Bach: An Eternal Golden Braid	X	
MAT 3040	Geometrical Reasoning	X	
MUS 1041	Class Piano I		X
MUS 1042	Class Piano II		X

MUS 1030	Music Fundamentals	X	
MUS 1085	Elements of Music		X
MUS 1231	Music Theory I	X	
MUS 1431	Music Theory I and Ear Training		X
MUS 2070	Basic Songwriting		X
MUS 2340	Class Instruction in Voice		X
MUS 2341	Class Guitar I		X
MUS 3260	Music Theater Workshop	X	
RUS 2010	Mystery of Russian Soul and Culture		X
THA 1040	Interpreting Contemporary Dramatic Literature (L)		X
THA 1040	Interpreting Contemporary Dramatic Literature (J)	X	
THA 1041	Introduction to Theater Arts (J)	X	
THA 1041	Introduction to Theater Arts (L)		X
THA 2080	Theatre Arts in The Dramatic Format		X
THA 2121	Acting I (J)	X	
THA 2121	Acting I (L)		X
THA 2122	Acting II (J)	X	
THA 2122	Acting II (L)		X
THA 3030	Theater for Young Audiences	X	
THA 3210	Introduction to Directing	X	
THA 3211	Directing I		X

Diversity in the World: History and Culture (6 credits)

(Course Type: NDVW)

Course #	Course Title	NVU-Johnson	NVU-Lyndon
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ANT 1010	Introduction to Cultural Anthropology	X	
ANT 1030	Introduction to Anthropology		X
ANT 3010	Native Societies of America		X
ANT 3020	Religion, Culture & Alternate Realities	X	
ANT 3030	Comparative Cultures		X
ANT 3060	Ethnocuisine		X
ANT 3310	Myth, Magic, & Religion		X
ANT 3820	Anthropology Fieldwork		X
ARH 2010	Survey of Western Traditions in Art	X	
ARH 2011	Survey of Western Art I		X
ARH 2012	Survey of Western Art II		X
ARH 2060	Survey of Non-Western Traditions in Art	X	
ARH 2070	History of Photography		X
ARH 3110	The Spiritual in Non-Western Art	X	
ART 1045	Visual Narrative		X
DAN 2010	Folk Dance	X	
DAN 3010	The Renaissance Spirit	X	
DAN 3180	Folk Dance II	X	
DAN 3210	The Emporer Ain't Naked: History Western European Fashion/Social Dance	X	
EDU 2365	The Ecology of the Human Experience: Development, Culture, & Identity	X	
ENG 1310	Introduction to Literature (J)	X	
ENG 1310	Introduction to Literature (L)		X
ENG 2250	Critical Approaches		X
ENG 2281	Survey of English Literature I	X	
ENG 2282	Survey of English Literature II	X	

ENG 2290	Survey of British Literature & Culture		X
ENG 2325	Survey of American Literature & Culture		X
ENG 2390	World Literature: Explorations		X
ENG 2535	Genre Survey		X
ENG 2540	Global English: Forms, Roles, and Issues		X
ENG 2545	Literature and Culture Survey		X
ENG 3090	QE: Horse & Human Culture	X	
ENG 3385	Genre Seminar		X
ENG 3545	Literature and Culture Seminar		X
FLM 1055	Film Analysis and Appreciation		X
FLM 2015	History of Cinema I		X
FLM 2025	History of Cinema II		X
FLM 3010	Auteur Filmmakers Seminar		X
FLM 3320	Film and Culture Seminar		X
FLM 3610	Film Studies Seminar		X
FLM 4010	Theory of Cinema		X
FRE 1111	French I	X	X
FRE 1112	Intermediate French	X	X
HIS 1011	Western Civilization I		X
HIS 1020	Comparative Civilizations		X
HIS 1111	World History I	X	
HIS 1112	World History II	X	
HIS 1211	American History I	X	X
HIS 1212	American History II	X	X
HIS 2240	Survey of Eurasia		X

HIS 3155	Sports in American History		X
HIS 3165	Vermont History	X	X
HIS 3280	The History of American Recording Industry		X
HIS 3310	18th & 19th Centuries Europe		X
HIS 3330	Europe Since 1914		X
HIS 3440	Modern Russia		X
HIS 3530	Modern East & Southeast Asia		X
HIS 3540	Modern South Asia		X
HIS 3550	The Islamic World		X
HUM 3125	Religions of the World	X	
HUM 3150	People and Cultures of the Middle East & Northern Africa	X	
HUM 3160	African Culture	X	
INT 3210	The Holocaust: An Interdisciplinary Approach	X	
JOU 2160	History of Journalism		X
MAT 3010	History of Mathematics		X
MUS 1175	History of Western Music: A Survey		X
MUS 2280	Drumming Across Cultures		X
MUS 2740	Music Studies Seminar		X
MUS 3031	History of Western Music I	X	
MUS 3032	History of Western Music II	X	
MUS 3040	Jazz in America	X	
MUS 3050	Social History of Rock & Roll	X	
MUS 3220	History of the Blues	X	
MUS 3330	Worlds of Music	X	X
MUS 3350	Music of the Americas		X

OEL 1010	Leisure and Tourism in Society	X	X
PHI 1010	Introduction to Philosophy	X	
PHI 2050	Nature, Science, and Technology		X
PHI 2090	Popular Culture and Philosophy		X
PHI 3065	Philosophy of Film and TV		X
PHI 3140	Art Theory and Criticism		X
PSY 3025	History of Modern Psychology		X
PSY 3090	Lifespan Across Cultures		X
RUS 1011	Russian I		X
RUS 1012	Russian II		X
SCI 4010	History of Science		X
SCI 4110	History of Agriculture		X
SPA 1011	Spanish I	X	X
SPA 1012	Spanish II	X	X
SSC 3820	Global Studies Fieldwork		X
THA 3010	Shakespeare: On the Stage & On the Page	X	

Enriched Course in Climate Change, Sustainability, or Social Justice (3-4 credits)

(Course Type: NCCSE)

Course #	Course Title	NVU-Johnson	NVU-Lyndon
ANT 4020	Multicultural Health, Illness & Healing	X	
ATM 1020	Introduction to Climate Change		X
ATM 2062	Survey of Climate and Statistics II		X
ATM 2210	Geophysical & Human Interactions		X

BUS 1360	Introduction to Sustainability	X	
BUS 3440	Ecotourism and Sustainability	X	
CRJ 2220	Environmental Justice		X
EDU 4630	Integrated Elem Methods Pract: Intention, Knowledge & Presence	X	
ENG 3010	Advanced Composition and Rhetoric		X
ENG 3385	Genre Seminar		X
ENG 3545	Literature and Culture Seminar		X
ENV 1040	Introduction to Oceanography	X	
ENV 1090	Introduction to Weather, Climate, and Climate Change	X	
ENV 1110	Introduction to Environmental Problems	X	
ENV 2080	The Anthropocene	X	
ENV 2090	Sustainable Living		X
GEO 1010	Introduction to Geography	X	X
GEY 1111	Introduction to Geology I		X
HIS 3056	Race in America		X
POS 3050	Environmental Ethics & Politics	X	
PSY 4180	Exploring Race and Challenging Racism in the U.S.		X
SCI 1030	The Life, Earth, and Physical Sciences		X
SCI 1070	Food for Thought		X
SOC 3020	Environment and Society	X	

NVU Online

NVU Online Programs

NVU Online programs are designed for those seeking an alternative to the on-campus educational experience but who are expecting the same challenging courses and prestigious degree as those enrolled in our traditional on-campus program.

Students enrolled in NVU Online programs are generally restricted from participating in and/or gaining access to certain college activities, events, and facilities. They are eligible for certain student services related to their program such as advising, career planning, etc., as well as other student support services.

Support services available to distance learning students include but are not limited to:

- Academic advising
- Bookstore
- Disability services
- Financial aid
- Library
- Tutoring

Activities, events, and facilities not available to distance learning students:

- Campus housing
- College transportation services including the Badger Bullet Bus and Morrisville Shuttle
- Participation in campus-based clubs and organizations
- SHAPE Fitness & Athletics Center
- Student Government Association
- Varsity Athletics
- Wellness Center

Regional vs Virtual Services

NVU Online students may receive either Regional or Virtual Services. The key differences between Regional and Virtual Services are how students access resources, what types of courses the students can take, and the tuition model. Regional Services are intended for those who live in and around Vermont and who may want to periodically meet with their advisor or take a face-to-face class. Virtual Services are available to students anywhere in the world and rely primarily on electronic and phone communications for academic services outside of the online classroom.

All NVU Online courses are available to all NVU Online students. Regional students, however, are also eligible to take courses offered by either the Lyndon or Johnson campus-based departments, while Virtual students are not.

Regional students pay tuition at standard in-state and out-of-state rates based on their residency status. Virtual students living outside of Vermont receive in-state tuition rate, which *applies only to NVU Online courses*.

Refunds and Add/Drop/Withdrawal Policies

Add/drop/withdrawal policies vary by institution. While students can add, drop, or withdraw from a course based on the deadlines of their home institution, the refund policy of the institution offering the course will apply. For example, if a Regional NVU Online student is taking a CCV course that has an earlier drop deadline than NVU, the student can drop the course based on NVU's deadline but that may affect whether or not the student receives a refund of tuition.

NVU Online Regional Centers

NVU Online Regional Centers serve adult students throughout Vermont who have already completed 60 or more credits of acceptable, college-level work. Each student works closely with an advisor who has an office at the student's local Community College of Vermont site. The advisor helps the student develop and carry out a plan to earn the remainder of the credits needed for a B.A. degree. A minimum of 30 credits must be earned while in the program.

Students receiving Regional services can take courses in a variety of formats and at various locations, including: face-to-face courses offered at either the Lyndon or Johnson campus, 15-week online courses, accelerated 7-week online courses, and courses offered by other schools within the Vermont State Colleges System.

The following degree programs are available through NVU Online:

- **Business Administration (B.S.): Management concentration - J, O**
- **Early Childhood Education (B.S.) - L (offered 90% online through the NVU-Lyndon campus)**
- **Interdisciplinary Studies (B.A.) - J, O**
- **Professional Studies (B.A.) - O**
- **Psychology (B.A.) - J, O**
- **Holistic Health (B.S.) - J, O**

For information on specific requirements, please refer to the departmental and General Education Core Curriculum sections of this catalog.

NVU Explorations

Mission Statement

The Northern Vermont University Explorations Program supports first-year students and sophomores who are actively investigating a variety of undergraduate majors and subsequent career options. As students take electives and required General Education Core Curriculum (GECC) courses in the arts, humanities, natural sciences, and social sciences, their assumptions about learning, life, and careers are challenged. Through Explorations, students develop a course of study that fits their needs.

Program Goals

In the Explorations program, students:

- choose just about any courses they want during their first year while exploring various fields of study that interest them
- work with an advisor who will help them choose courses, explore career explorations, and discover career paths students might not have imagined
- complete many GECC requirements while exploring choices of courses and disciplines
- surround themselves with like-minded students and
- may work with faculty mentors who will help define and redefine your interests, skills, and aspirations, and ultimately assist you to choose a major with confidence

During the first year, advisors help students to:

- work with career professionals to help you choose your correct path
- meet with other Explorations students to discuss interests and experiences
- visit with various academic departments and faculty about their offerings
- register for a wide-range of courses that gain you GECC credits

Program Description

The Explorations program is designed to help students select classes and majors that complement their skills and interests. Students will begin their first semester with a sample of GECC courses, often including a required Math and English course. While fulfilling GECC requirements and keeping students on track to graduate on schedule, this course plan allows students to experience a wide range of offerings and disciplines.

Explorations students, are in good company-nationally, thirty to forty percent of entering college students have not decided on a major and spend their first year exploring their options. After choosing a major, Explorations students move easily into their new program and begin to work with a new advisor.

Explorations - J, L

In the Explorations program, you will use your General Education Core Curriculum requirements as a route to exploring a wide range of courses and disciplines.

Best of all, you don't have to worry about falling behind - even if you declare a major in your second year, you will still have plenty of time to complete all the course requirements for your declared major. Furthermore, you are in good company. Nationally, thirty to forty percent of entering college students have not decided on a major course of study. Once you decide on a specific major, you will then step off this path to pursue the specific requirements of that major. At that point, you will also be reassigned to an advisor within your new declared major.

Explorations Core

First Semester - 15 credits

Writing course (based upon placement)

Math course (based upon placement)

General Education Core Curriculum (GECC) distribution course

General Education Core Curriculum (GECC) distribution course

Course in area of interest to student

Second Semester - 15 credits

Courses chosen in consultation with advisor

Atmospheric Sciences - Lyndon

Faculty

Janel Hanrahan, *Associate Professor*

Aaron Preston, *Visiting Assistant Professor*

Jason Shafer, *Professor*

Bachelor of Science in Atmospheric Sciences

- **American Meteorological Society/Graduate School Concentration**
- **Broadcasting Concentration**
- **Climate Change Concentration**

- **National Weather Service/Military Concentration**
- **Private Industry Concentration**

Bachelor of Science in Climate Change Science

Minor: Atmospheric Sciences

Pre-Atmospheric Sciences Program

Mission Statement

The Northern Vermont University-Lyndon Department of Atmospheric Sciences prepares students who are passionate about weather, climate, and the environment for professional careers. We offer a modern curriculum that combines hands-on learning with preparation in math and the physical sciences. We value a supportive, small-school environment where accessible professors challenge and help students in acquiring the skills and experience necessary for success in their chosen concentration(s).

Program Goals

The NVU-Lyndon Atmospheric Sciences Department has the following program goals:

- to provide students with the necessary education and training to be successful and competitive in their chosen career concentration,
- to provide students with a broad-based understanding of atmospheric science fundamentals with a modern and rigorous curriculum,
- to provide students with several concentrations that allow them to develop specialized and diverse skills,
- to provide and encourage a range of experiential learning opportunities, including:
 - Data analysis in a laboratory setting
 - Internships
 - Field trips and participation in field programs
 - Research experiences
 - Preparing and communicating weather forecasts,
- to provide students with opportunities to develop leadership skills, and
- to expose students to the broader atmospheric sciences community at conferences and other off-campus activities

Program Description

Atmospheric Sciences at Northern Vermont University-Lyndon (formally, Lyndon State College) has a long and proud history of excellence, with many successful alumni throughout the field. Our diverse and rigorous curriculum prepares students for a variety of career possibilities from broadcast meteorologists to research scientists. Students, faculty, and staff alike are passionate about weather and climate and trying to figure out how the atmosphere works so society can have better weather forecasts, or the environment can be improved. We do this in a supportive family-like, small-school setting that offers big-school opportunities.

Student Learning Outcomes

At the end of their B.S. Atmospheric Sciences (ATM) degree program, successful students will be able to demonstrate the ability to:

- apply fundamental mathematical and physical concepts to the analysis and understanding of atmospheric sciences related events,
- correctly analyze atmospheric sciences related data, and develop a scientifically based weather forecast,
- use computer skills to analyze, display, and manipulate atmospheric sciences related data, and
- effectively present atmospheric sciences related concepts to knowledgeable audiences.

Assessing Student Learning Outcomes

The department conducts activities within applicable courses for students to exhibit their ability to demonstrate proficiency within each learning outcome. The results are collated, analyzed, and discussed by the instructors to provide an enhanced level of understanding of student achievement on the learning outcomes. In turn, this leads the department to annual decisions regarding changes in pedagogy and content to be implemented for its continuous improvement.

Certificate of Post-Baccalaureate Study in Atmospheric Sciences

This certificate documents educational achievement in atmospheric sciences beyond that associated with a BS degree. This program is for those who wish to:

- gain an advantage in today's competitive job market
- bolster their preparation for admission to graduate school, or
- re-train for job placement or a career change

Atmospheric Sciences (B.S.) - L

Requirements include Mathematics and Science courses, the Atmospheric Science program required courses, and at least one of the career concentrations. Note: in order to complete the program in three years, students must be placed into MAT 2532 (Calculus II) and PHY 2061 (Physics I) during the *fall semester of the student's first year*. **All students in the BS in Atmospheric Sciences program must receive a grade of C- or higher in all program required courses and prerequisites to count toward the programmatic degree.**

Mathematics and Science: (21 Credits)

- MAT 1531 - Calculus I **Credit(s): 4**
Advised Term 1st Year
- MAT 2532 - Calculus II **Credit(s): 4**
Advised Term 2nd Year
- MAT 3533 - Calculus III **Credit(s): 4**
Advised Term 2nd Year
- CIS 2101 - Introduction to Unix **Credit(s): 1**
Advised Term 2nd Year
- PHY 2061 - Classic Physics I **Credit(s): 4**
Advised Term 2nd Year
- PHY 2062 - Classic Physics II **Credit(s): 4**
Advised Term 2nd Year

Atmospheric Sciences Courses: (38 Credits)

Students must take the courses below plus choose at least one career concentration by the end of their sophomore year:

- ATM 1211 - Survey of Meteorology I **Credit(s): 2**
Advised Term 1st Year
- ATM 1212 - Survey of Meteorology II **Credit(s): 3**
Advised Term 1st Year
- ATM 2061 - Survey of Climate and Statistics I **Credit(s): 2**
Advised Term 2nd Year
- ATM 2062 - Survey of Climate and Statistics II **Credit(s): 3**
Advised Term 2nd Year
- ATM 3030 - Atmospheric Thermodynamics **Credit(s): 3**
Advised Term 3rd Year
- ATM 3110 - Remote Sensing **Credit(s): 3**
Advised Term 3rd Year
- ATM 3140 - Physical Meteorology **Credit(s): 3**
Advised Term 3rd Year
- ATM 3321 - Atmospheric Dynamics I **Credit(s): 3**
Advised Term 3rd Year
- ATM 3322 - Atmospheric Dynamics II **Credit(s): 3**
Advised Term 4th Year
- ATM 3331 - Analysis and Forecasting I **Credit(s): 3**
Advised Term 3rd Year
- ATM 3332 - Analysis and Forecasting II **Credit(s): 3**
Advised Term 3rd Year
- ATM 4120 - Mesoscale Meteorology **Credit(s): 3**
Advised Term 4th Year
- ATM 4712 - Thesis in Atmospheric Sciences I **Credit(s): 2**
Advised Term 4th Year
- ATM 4713 - Thesis in Atmospheric Sciences II **Credit(s): 2**
Advised Term 4th Year

Graduate School Concentration (12-14 Credits)

Minimum required credits for this concentration: 71

- CHE 1031 - General Chemistry I **Credit(s): 4**
- MAT 3310 - Differential Equations **Credit(s): 3**

Take a minimum of 2 credits from:

- ATM 4140 - Climate Change Dynamics **Credit(s): 3**
- CIS 2060 - Programming with FORTRAN **Credit(s): 3**
- CIS 2279 - Introduction to Perl Programming **Credit(s): 1**
- CIS 2290 - Introduction to Python **Credit(s): 1**

Take one of the following:

- ATM 4110 - Numerical Weather Prediction **Credit(s): 3**
- MAT 3730 - Topics in Differential Equations **Credit(s): 3**

- PHY 2063 - Classic Physics III **Credit(s): 4**

National Weather Service/Military Concentration (15 Credits)

Minimum required credits for this concentration: 74

- ATM 3050 - GIS Applications in Atmospheric Sciences **Credit(s): 3**
- ATM 4030 - Physical Climatology **Credit(s): 3**
- ATM 4040 - Physical Hydrology **Credit(s): 3**
- MAT 3310 - Differential Equations **Credit(s): 3**

Take one computer science course - choose from:

- CIS 2060 - Programming with FORTRAN **Credit(s): 3**
- CIS 2141 - Programming Internet and Web Applications Part I **Credit(s): 3**
- CIS 2271 - Java Programming **Credit(s): 3**

Broadcasting Concentration (14 Credits)

Minimum required credits for this concentration: 73

- ATM 3270 - Television Weather Graphics **Credit(s): 1**
- ATM 4010 - Television Weathercasting **Credit(s): 1**
- JOU 1125 - Television Production and Editing **Credit(s): 3**
- JOU 1221 - Interpersonal Communication **Credit(s): 3**
- JOU 2843 - Practical Presentation I - ATM **Credit(s): 3**
- JOU 3222 - Practical Presentation II - ATM **Credit(s): 3**

Private Industry Concentration (14-16 Credits)

Minimum required credits for this concentration: 73

Take one business course - choose from:

- BUS 2015 - Fundamentals of Management in Business **Credit(s): 3**
- BUS 2230 - Principles of Marketing **Credit(s): 3**
- ECO 2060 - Survey of Economics **Credit(s): 4**
- BUS 3131 - Business Law I **Credit(s): 3**

Take a minimum of 2 credits from:

- ATM 4140 - Climate Change Dynamics **Credit(s): 3**
- CIS 2060 - Programming with FORTRAN **Credit(s): 3**
- CIS 2141 - Programming Internet and Web Applications Part I **Credit(s): 3**
- CIS 2279 - Introduction to Perl Programming **Credit(s): 1**
- CIS 2290 - Introduction to Python **Credit(s): 1**

Take one communications course - choose from:

- ENG 1280 - Fundamentals of Public Speaking **Credit(s): 3**
- ENG 3010 - Advanced Composition and Rhetoric **Credit(s): 3**
- JOU 1010 - Introduction to Media Communication **Credit(s): 3**
- JOU 1221 - Interpersonal Communication **Credit(s): 3**
- OEL 1080 - Leadership and Small Group Dynamics **Credit(s): 3**

Take 1 GIS course:

- ATM 3050 - GIS Applications in Atmospheric Sciences **Credit(s): 3**

Take one ATM elective - choose from:

- ATM 2210 - Geophysical and Human Interactions **Credit(s): 3**
- ATM 3170 - Weather Risk Assessment **Credit(s): 3**
- ATM 3310 - Forecasting Applications **Credit(s): 3**
- ATM 4030 - Physical Climatology **Credit(s): 3**
- ATM 4040 - Physical Hydrology **Credit(s): 3**
- ATM 4110 - Numerical Weather Prediction **Credit(s): 3**
- ATM 4710 - Topics in Atmospheric Sciences **Credit(s): Variable**

Climate Change (15 Credits)

Minimum required credits for this concentration: 74

- ATM 2210 - Geophysical and Human Interactions **Credit(s): 3**
- ATM 3050 - GIS Applications in Atmospheric Sciences **Credit(s): 3**
- ATM 4030 - Physical Climatology **Credit(s): 3**
- ATM 4040 - Physical Hydrology **Credit(s): 3**
- ATM 4140 - Climate Change Dynamics **Credit(s): 3**

Atmospheric Sciences Minor - L

Minimum required credits for the minor: 18

Requirements for the Minor in Atmospheric Sciences

- ATM 1211 - Survey of Meteorology I **Credit(s): 2**
- ATM 1212 - Survey of Meteorology II **Credit(s): 3**
- ATM 2061 - Survey of Climate and Statistics I **Credit(s): 2**
- CIS 2101 - Introduction to Unix **Credit(s): 1**

Electives: (6 Credits)

6 credits chosen from among the ATM, CIS, ENV, MAT, or PHY 2000 or higher courses.

Note: ATM 4710 requires department permission; ATM 4820 and ATM 4900 are not included.

Climate Change Science (B.S.) - L

Minimum required credits for the program: 65-67

Requirements for the program:

Core Courses

- ATM 1211 - Survey of Meteorology I **Credit(s): 2**
- ATM 1212 - Survey of Meteorology II **Credit(s): 3**
- ATM 3050 - GIS Applications in Atmospheric Sciences **Credit(s): 3**
- ATM 4030 - Physical Climatology **Credit(s): 3**
- BIO 1211 - Introduction to Biology: Ecology and Evolution **Credit(s): 4**
- BIO 4340 - Environmental Challenges and Ecological Solutions **Credit(s): 4**
- CHE 1031 - General Chemistry I **Credit(s): 4**
- CLM 3061 - Survey of Climate and Statistics I **Credit(s): 2**
- CLM 3062 - Survey of Climate and Statistics II **Credit(s): 3**
- ENV 1080 - Introduction to Environmental Science **Credit(s): 4**
- ENV 2060 - Energy, Environment, and Society **Credit(s): 4**
- GEY 1111 - Introduction to Geology I **Credit(s): 4**
- GEY 3110 - Hydrogeology **Credit(s): 4**
- MAT 1410 - Pre-Calculus **Credit(s): 4**
- PHY 2031 - Fundamental Physics I **Credit(s): 4**
- SCI 4900 - Research in Science **Credit(s): 1 to 4** (Must take a total of 4 credits)

Communications Course

Choose one of the following communications courses:

- COM 2085 - Public Relations, Advertising, and Marketing **Credit(s): 3**
- ENG 1280 - Fundamentals of Public Speaking **Credit(s): 3**
- ENG 3010 - Advanced Composition and Rhetoric **Credit(s): 3**
- JOU 1221 - Interpersonal Communication **Credit(s): 3**
- OEL 1080 - Leadership and Small Group Dynamics **Credit(s): 3**
- OEL 3110 - Public Relations **Credit(s): 3**

Choice Courses

Choose two of the following courses, with at least one course at the 3000 or 4000 level:

- ATM 2210 - Geophysical and Human Interactions **Credit(s): 3**
- ATM 3030 - Atmospheric Thermodynamics **Credit(s): 3**
- ATM 3050 - GIS Applications in Atmospheric Sciences **Credit(s): 3**

- ATM 3170 - Weather Risk Assessment **Credit(s): 3**
- BIO 3280 - Environmental Toxicology **Credit(s): 4**
- BIO 4040 - Ecology **Credit(s): 4**
- BIO 4340 - Environmental Challenges and Ecological Solutions **Credit(s): 4**
- BUS 3240 - Global Business **Credit(s): 3**
- CHE 2020 - Introduction to Environmental Chemistry **Credit(s): 4**
- CHE 3050 - Environmental Chemistry **Credit(s): 4**
- COM 3080 - Strategic Media Communications **Credit(s): 3**
- CRJ 2220 - Environmental Justice **Credit(s): 3**
- ECO 2060 - Survey of Economics **Credit(s): 4**
- GEY 3110 - Hydrogeology **Credit(s): 4**
- GEY 4840 - Geologic Evolution: Grand Canyon to Mt. Whitney -- Intensive **Credit(s): 4**
- PHI 2050 - Nature, Science, and Technology **Credit(s): 3**
- PHY 2025 - Physics for the Environment **Credit(s): 4**
- PHY 2032 - Fundamental Physics II **Credit(s): 4**

Pre-Atmospheric Sciences Program - L

Preparation for the Atmospheric Sciences Program

Motivated students whose science or math background needs to be improved for a successful college experience in atmospheric sciences are enrolled in this preparatory group of courses. Students typically include one or more mathematics courses to prepare for college pre-calculus (the starting mathematics course in atmospheric sciences degree programs) and a physics course to prepare for college calculus-based physics (the starting physics course in atmospheric sciences degree programs). Students beginning their study of atmospheric sciences with these preparatory courses will require at least five years for a B.S. degree in atmospheric sciences.

- ENG (as per placement test) Credits: 3
- ATM 1040 - Field Experience **Credit(s): 0.5 to 3**
Advised Term - 1st Semester (2 credits)
- ATM 1050 - Problem Solving in Atmospheric Sciences **Credit(s): 3**
Advised Term - 2nd Semester
- INT 1020 - Entering an Academic Community **Credit(s): 3**
Advised Term - 1st Semester
- MAT 1410 - Pre-Calculus **Credit(s): 4**
Advised Term - 2nd Semester
- PHY 2031 - Fundamental Physics I **Credit(s): 4**
Advised Term - 2nd Semester

Behavioral Sciences - Johnson

Faculty / Staff

Kimberly Donovan, *Associate Professor (Graduate Program)*

Susan Green, *Professor, Department Co-Chair*

Leslie Johnson, *Associate Professor*

Gina Mireault, *Professor, Department Co-Chair*

Daniel Weigel, *Associate Professor (Graduate Program)*

Staff Assistant: Vicky Sanborn

Programs in the Northern Vermont University-Johnson Department of Behavioral Sciences explore the ways humans behave, both as individuals and as groups, and the impact of this behavior on society. Each major provides a different lens through which to view these topics. Anthropology examines cultural differences and similarities; sociology examines the relationships and interactions between humans and social structures; psychology is the scientific study of human and animal behavior and the mind.

The NVU-Johnson Wellness & Alternative Medicine major combines aspects of all three of these disciplines with the study of biology, chemistry, anatomy and other sciences to deliver a practical education in a variety of healing and health practices used throughout the world.

Programs

Majors & Concentrations

- Anthropology & Sociology (B.A.) - J
- Anthropology & Sociology (B.A.): Criminal Justice concentration - J
- Psychology (B.A.) - J, O
- Psychology (B.A.): Health & Sport Psychology concentration - J
- Holistic Health (B.S.) - J, O

Minors

- Anthropology & Sociology Minor - J
- Psychology Minor - J
- Holistic Health Minor - J

The NVU-Johnson Department of Behavioral Sciences offers courses with the following designators: ANT (anthropology), CRJ (criminal restorative justice), CSV (community service/volunteer), PSY (psychology), SSC (social science), SOC (sociology) and WAM (wellness & alternative medicine). See full Course Descriptions. The department also offers a Master of Arts program in counseling; refer to the NVU Graduate Catalog for information.

Anthropology & Sociology (B.A.) - J

With integrative study in anthropology and sociology, students investigate and learn to appreciate how diversities and social-structural arrangements among people affect the distribution of power and the ability of people to live meaningful, sustainable lives and co-exist in a fair, socially just world. Anthropology explores the range of cultural and biological differences and similarities among all peoples; topics include evolution, environment, symbolism, values, art, healing, religion and consciousness. Sociology investigates social interaction, the societal forces of inequality and power, and how social structures, economics, politics, education, religion, technology and the media affect the way we behave, interact and view the world.

Learning Outcomes

Anthropology & Sociology graduates should be able to demonstrate:

1. Knowledge of the concepts, theories and methodologies of cultural and social forces and their impact on personal life choices, community relationships, national issues and globalization.
2. Holistic, interdisciplinary critical thinking in a way that integrates oral, written, visual, geographic, computer-based and media literacy skills, to evaluate and communicate the "bigger picture" of societal institutions and multi-cultural forces on our personal choices, our societal arrangements and our global involvements.
3. Cultural diversity skills that acknowledge the many beliefs, values, languages, norms, sanctions, symbols and technologies that inform lifestyles across the globe.
4. Informed knowledge of the power of social and cultural forces to bear upon both personal life choices and on civic responsibility and accountability to co-create a socially just, diverse and sustainable world.
5. Preparedness to further their education or enter careers that require interpersonal, multicultural knowledge and "people skills" in diversity, global awareness and social justice. Career options include education, personnel management, social service agencies, government positions doing research and training, criminal justice and international intelligence agencies.

Total: 40 credits

Required Core Courses

22 Credits

- ANT 1015 - The ANS Major **Credit(s): 1**
- ANT 1010 - Introduction to Cultural Anthropology **Credit(s): 3**
- SOC 1010 - Introduction to Sociology (J) **Credit(s): 3**
- MAT 2021 - Statistics **Credit(s): 3**
- SOC 3260 - Social Theory **Credit(s): 3**
- POS 3025 - Research Design & Analysis **Credit(s): 3**
OR PSY 2410 (Research Methods in Psychology) Credits / Units: 3
- ANT 4720 - Senior Seminar in Anthropology/Sociology **Credit(s): 3**
- ANT 3820 - Anthropology Fieldwork **Credit(s): 1 to 6**
OR SOC 4810 (Internship in Sociology) Credits / Units: 3

Electives

18 Credits.

Take at least 18 credits from the following, with at least six credits from both ANT and SOC:

- ANT 3010 - Native Societies of America **Credit(s): 3**
- ANT 3140 - Yoga and Ayurveda: Science & Culture **Credit(s): 3**
- ANT 3030 - Comparative Cultures **Credit(s): 3**
- ANT 3020 - Religion, Culture & Alternate Realities **Credit(s): 3**
- ANT 3060 - Ethnocuisine **Credit(s): 3**
- ANT 3130 - Culture & Personality **Credit(s): 3**
- BUS 3440 - Ecotourism and Sustainability **Credit(s): 3**
- ANT 4010 - Anthropology of Death **Credit(s): 3**

- ANT 4020 - Multicultural Health, Illness & Healing **Credit(s): 3**
- ANT 4730 - Topical Seminar in Anthropology **Credit(s): 1-3**
- SOC 2040 - Race, Ethnicity, Class, and Gender (J) **Credit(s): 3**
- SOC 2050 - Drugs, Herbs & Society **Credit(s): 3**
- SOC 3020 - Environment & Society **Credit(s): 3**
- SOC 3040 - Social Movement, Culture & Activism **Credit(s): 3**
- SOC 3170 - Power, Politics & Inequality **Credit(s): 3**
- SOC 3050 - Gender and Society (J) **Credit(s): 3**
- SOC 3060 - Sexuality & Intimacy **Credit(s): 3**
- SOC 3080 - Wellness & Alternative Medicine **Credit(s): 3**
- SOC 3130 - Mass Media & Society **Credit(s): 3**
- SOC 3230 - Alternative Medicine, Science & Disease **Credit(s): 3**
- SOC 4010 - Family Violence **Credit(s): 3**
- SOC 4030 - Global Health, Diversity & Policy **Credit(s): 3**
- SOC 4730 - Topical Seminar in Sociology **Credit(s): 1-3**
- SSC 3820 - Global Studies Fieldwork **Credit(s): 1 to 6**

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* meet all other Degree Requirements, including the General Education Core Curriculum and NVU Graduation Standards.

Anthropology & Sociology Minor - J

Required Courses (9 Credits)

- ANT 1010 - Introduction to Cultural Anthropology **Credit(s): 3**
- SOC 1010 - Introduction to Sociology (J) **Credit(s): 3**
- SOC 4020 - Sociological Theory **Credit(s): 3 OR**
- ANT 3110 - Development of Anthropological Thinking **Credit(s): 3**

Electives (9 Credits)

- Three ANT/SOC - courses, at least 2 must be at the 3000 or 4000 level

Total: 18 credits

Holistic Health (B.S.) - J, O

Launched in 2000, updated in spring 2014, and re-named in 2020 to reflect advances in medical knowledge and contemporary practice, the B.S. degree in Holistic Health at NVU-Johnson is based on the scientific protocols set by the National Institutes of Health's National Center for Complementary & Alternative Medicine and Bastyr University's Naturopathic Medical School program in Seattle, Washington.

An interdisciplinary collaboration between NVU-Johnson's Behavioral Sciences and Environmental & Health Sciences departments, the program employs societal, cultural, biochemical and global frameworks to investigate the history, principles and scientific evidence for the safety and effectiveness of diverse modalities to heal disease and to create wellness. It provides the scientific knowledge and practical skills needed to make informed healthcare decisions and lifestyle choices and to prepare for careers as state-of-the-art healthcare professionals, veterinarians and doctors.

Students study conventional, allopathic medicine in the U.S. as well as alternative medical models from around the world. On-campus students may elect to co-enroll in approved certification programs to become massage therapists, yoga instructors, reiki masters and Ayurvedic consultants. (This option is not available to students enrolled in this program through NVU Online.) Graduates are prepared for initial positions in the wellness and fitness industry, hospital employee-assistance programs, social-assistance programs, the diet and supplements industry, and as assistants to alternative medical practitioners. Many graduates go on to graduate and medical schools to become physicians, nurses, chiropractors, naturopathic physicians, Chinese medical doctors, ayurvedic physicians and homeopathic doctors.

The curriculum for this program was reviewed in 2012 by Dr. James S. Gordon, Director of the Center for Mind-Body Medicine Program at Georgetown University, former chair of the White House Commission on Complementary & Alternative Medicine, and a member of the Advisory Council for the NIH National Center for Complimentary & Alternative Medicine (NCCAM), and in 2004 by Dr. Joseph Jacobs, former director of NCCAM. Their comments and suggestions guided the curriculum that took effect in fall 2015.

Learning Outcomes for Holistic Health Majors

1. Students will demonstrate interdisciplinary knowledge of the behavioral and biological evolution, principles and scientific evidence for the healing claims of conventional allopathic medicine and of diverse multicultural alternative health care systems.
2. Students will develop integrative critical thinking and investigative and evaluative skills for making optimal health care choices through scientific comparison of healing and wellness claims of diverse health care models.
3. Students will demonstrate their competency as multilingual integrative health care translators who are fluent in the concepts, principles and integration of multicultural models of health care and who assist professionals in the comparison of diverse sources of evidence for healing claims.
4. Students will prepare for alternative and allopathic medical careers as integrative physicians, nurses, nurse practitioners, Chinese medical doctors, naturopaths, chiropractors, massage therapists, health research scientists, epidemiologists and health policy planners.

Required Courses

Core Courses (21 credits)

- AHS 1010 - Contemporary Health Issues **Credit(s): 3**
- BIO 2011 - Human Anatomy & Physiology I **Credit(s): 4**
- BIO 2012 - Human Anatomy and Physiology II **Credit(s): 4**
- SOC 1040 - Integrative Health & Professional Series **Credit(s): 1**
- SOC 3080 - Wellness & Alternative Medicine **Credit(s): 3**
- SOC 3230 - Alternative Medicine, Science & Disease **Credit(s): 3**
- SOC 4740 - Senior Integrative Health Care Seminar **Credit(s): 1**
- WAM 2030 - Wellness Lifestyle & Career Seminar **Credit(s): 1**

- AHS 4810 - Internship in Allied Health Science **Credit(s): 1-12** (Must be at least 1 credit)
- **OR**
- ANT 4810 - Internship in Anthropology **Credit(s): 1-12** (Must be at least 1 credit)

OR

- SOC 4810 - Internship in Sociology (J) **Credit(s): 1-12** (Must be at least 1 credit)

OR

- WAM 4810 - Internship in Wellness & Alternative Medicine **Credit(s): 1-12** (Must be at least 1 credit)

Alternative Health Systems & Mind-Body Medicine (8 credits)

Choose 8 credits

- ANT 3140 - Yoga and Ayurveda: Science & Culture **Credit(s): 3**
- WAM 2010 - Native American Healing - The Lakota & Shamanic Traditions **Credit(s): 1**
- WAM 2020 - Chinese Medicine & Acupuncture I **Credit(s): 1**
- WAM 2040 - Introduction to Meditation **Credit(s): 1**
- WAM 2050 - Herbs: The Medicine Garden **Credit(s): 1**
- WAM 2060 - Naturopathic Medicine **Credit(s): 1**
- WAM 2070 - Massage & Bodywork **Credit(s): 1**
- WAM 2080 - Homeopathy I **Credit(s): 1**
- WAM 3020 - Chinese Medicine & Acupuncture II **Credit(s): 3**
- WAM 3040 - Mindfulness Meditation **Credit(s): 3**
- WAM 3050 - Herbalism, Wellness & Healing **Credit(s): 3**
- WAM 3070 - Massage, Science & Wellness **Credit(s): 3**
- WAM 3080 - Homeopathy II **Credit(s): 3**

Biology of Life (4 credits)

Choose one course

- BIO 1210 - Introduction to Biology **Credit(s): 4**
- BIO 1211 - Introduction to Biology: Ecology and Evolution **Credit(s): 4**
- BIO 1212 - Introduction to Biology: Cells and Genetic Basis **Credit(s): 4**

Chemistry (4 credits)

Choose one course

- CHE 1031 - General Chemistry I **Credit(s): 4**
- CHE 1055 - General, Organic and Biochemistry **Credit(s): 4**

Drugs, Herbs & Pharmacology (3 credits)

Choose one course

- AHS 3050 - Introduction to Pharmacology **Credit(s): 3**
- SOC 2050 - Drugs, Herbs & Society **Credit(s): 3**
- WAM 3030 - Applied Herbal Pharmacology **Credit(s): 3**

Healthcare & Healing Around the World (3 credits)

Choose one course

- ANT 4020 - Multicultural Health, Illness & Healing **Credit(s): 3**
- SOC 4030 - Global Health, Diversity & Policy **Credit(s): 3**
- WAM 3060 - Healing All Wounds: Global Humanitarian Aid and Warzone Medicine **Credit(s): 3**

Nutrition: The Biochemistry & Eco-Politics of Food and Diet (3 credits)

Choose one course

- BIO 3180 - Nutrition **Credit(s): 3**
- SOC 3240 - Nutrition, Food & Society **Credit(s): 3**
- WAM 3025 - Epigenetics: Diet, Lifestyle & Environment **Credit(s): 3**

Stress: Biopsychological Response & Wellness Lifestyle Choices (3 credits)

Choose one course

- AHS 4025 - Health Behavior: Change & Adherence **Credit(s): 3**
- AHS 4110 - Psychophysiology of Stress **Credit(s): 3**
- WAM 3010 - Living the Good Life **Credit(s): 3**

Total: 49 credits

Required & Recommended Electives for Graduate Study in Medicine

Students who intend to pursue graduate study to prepare for clinical medical careers (e.g., physician, nurse practitioner, midwife, physician assistant, nurse, naturopathic doctor, chiropractor, Chinese medical doctor) should take the following courses *and* check with their future post-graduate school to ensure they will meet all undergraduate requirements in order to apply for admission.

Required Electives

- CHE 1032 - General Chemistry II **Credit(s): 4**
- CHE 3111 - Organic Chemistry I **Credit(s): 4**
- CHE 3112 - Organic Chemistry II **Credit(s): 4**
- PHY 2031 - Fundamental Physics I **Credit(s): 4**
- PHY 2032 - Fundamental Physics II **Credit(s): 4**
- PSY 2070 - Developmental Psychology **Credit(s): 3**

Recommended Electives

- BIO 3130 - Cellular Biology: A Molecular Approach **Credit(s): 4**
- BIO 3140 - Introduction to Microbiology **Credit(s): 4**
- BIO 3220 - Genetics **Credit(s): 4**
- MAT 1531 - Calculus I **Credit(s): 4**
- MAT 2021 - Statistics **Credit(s): 3**

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* meet all other Degree Requirements, including the General Education Core Curriculum and NVU Graduation Standards.

Holistic Health Minor - J

The minor in Holistic Health is designed for students in other majors who are interested in receiving credit for and taking courses in health, wellness, and alternative medicine.

Required Courses

Core Courses (6 credits)

- AHS 1010 - Contemporary Health Issues **Credit(s): 3**
- SOC 3080 - Wellness & Alternative Medicine **Credit(s): 3**

Alternative Health Systems & Mind-Body Medicine (5 credits)

Choose any 5 credits from the following:

- ANT 3140 - Yoga and Ayurveda: Science & Culture **Credit(s): 3**
- WAM 2010 - Native American Healing - The Lakota & Shamanic Traditions **Credit(s): 1**
- WAM 2020 - Chinese Medicine & Acupuncture I **Credit(s): 1**
- WAM 2040 - Introduction to Meditation **Credit(s): 1**
- WAM 2050 - Herbs: The Medicine Garden **Credit(s): 1**
- WAM 2060 - Naturopathic Medicine **Credit(s): 1**
- WAM 2080 - Homeopathy I **Credit(s): 1**
- WAM 3020 - Chinese Medicine & Acupuncture II **Credit(s): 3**
- WAM 3040 - Mindfulness Meditation **Credit(s): 3**
- WAM 3050 - Herbalism, Wellness & Healing **Credit(s): 3**
- WAM 3080 - Homeopathy II **Credit(s): 3**

Healthcare & Healing Around the World (3 credits)

Choose one of the following:

- ANT 4020 - Multicultural Health, Illness & Healing **Credit(s): 3**
- SOC 4030 - Global Health, Diversity & Policy **Credit(s): 3**
- WAM 3060 - Healing All Wounds: Global Humanitarian Aid and Warzone Medicine **Credit(s): 3**

Nutrition: Biochemistry & Eco-Politics Food & Diet (3 credits)

Choose one of the following:

- BIO 3180 - Nutrition **Credit(s): 3**

- SOC 3240 - Nutrition, Food & Society **Credit(s): 3**
- WAM 3025 - Epigenetics: Diet, Lifestyle & Environment **Credit(s): 3**

Stress: Biopsychological Response & Wellness Lifestyle (3 credits) Choices

Choose one of the following:

- AHS 4025 - Health Behavior: Change & Adherence **Credit(s): 3**
- AHS 4110 - Psychophysiology of Stress **Credit(s): 3**
- WAM 3010 - Living the Good Life **Credit(s): 3**

Total: 20 credits

Psychology (A.A.) - J, O

Total: 28 credits

Required Courses

- PSY 1010 - Introduction to Psychology **Credit(s): 3**
- PSY 1035 - The Psychology Major **Credit(s): 1**
- PSY 2040 - Social Psychology **Credit(s): 3**
- PSY 2070 - Developmental Psychology **Credit(s): 3**
- PSY 2410 - Research Methods in Psychology **Credit(s): 3**
- PSY 3010 - Theories of Personality **Credit(s): 3**
- PSY 3070 - Abnormal Psychology **Credit(s): 3**

Electives

Three (9 credits of) Psychology electives.

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* meet all other Degree Requirements, including the General Education Core Curriculum and NVU Graduation Standards.

Psychology (B.A.) - J, O

Psychology Programs at NVU-Johnson

Psychology is the scientific study of behavior and the mind. Students in the B.A. in Psychology program explore a wide range of theories concerning human behavior, development, thought, emotion, learning, intelligence, personality, group dynamics and abnormal behavior. Through coursework, fieldwork and research opportunities, students apply the knowledge gained in class to the real world and are encouraged to use what they learn toward understanding themselves and their relationships. Students have the opportunity to work as research assistants during the school year and in the summer. An internship is required. Elective

options help students explore career possibilities, such as working with the chronically mentally ill, with children and families, and in the areas of organizational psychology, addictions, art therapy, forensic psychology and more. However, the study of psychology provides excellent preparation for careers not only in psychology, but in any field in which an understanding of human behavior is useful.

Learning Outcomes

The B.A. in Psychology is designed to produce students who graduate with a strong understanding the field of psychology, how it relates to interpersonal communication and behavior, and the practical application of this knowledge and skill set.

Psychology Core Curriculum at NVU-Johnson (29 credits)

- PSY 1010 - Introduction to Psychology **Credit(s): 3**
- PSY 1035 - The Psychology Major **Credit(s): 1**
- PSY 2040 - Social Psychology **Credit(s): 3**
- PSY 2070 - Developmental Psychology **Credit(s): 3**
- PSY 2410 - Research Methods in Psychology **Credit(s): 3**
- PSY 3010 - Theories of Personality **Credit(s): 3**
- PSY 3025 - History of Modern Psychology **Credit(s): 3**
- PSY 3070 - Abnormal Psychology **Credit(s): 3**
- PSY 4010 - Biological Psychology **Credit(s): 3**
- PSY 4770 - Senior Seminar in Psychology **Credit(s): 1**
- PSY 4810 - Internship in Psychology **Credit(s): 1-12** (Minimum of 3 credits required)
- MAT 2021 - Statistics **Credit(s): 3**

** Psychology internships must be a minimum of 3 credits, and they must be arranged the semester prior to which they are to occur and included in the plan of study. The required internship must be taken concurrently with the Senior Seminar. Students completing the Health & Sport Psychology concentration must complete their internship in an area/setting relevant to health and sport psychology.*

Psychology Electives at NVU-Johnson (choose 15 credits)

- PSY 3035 - Social Stigma **Credit(s): 3**
- PSY 3045 - Social Development **Credit(s): 3**
- PSY 3230 - Psychology of Gender (J) **Credit(s): 3**
- PSY 3235 - Evolutionary Psychology **Credit(s): 3**
- PSY 3250 - Multicultural Psychology **Credit(s): 3**
- PSY 3330 - Psychology of Addictions **Credit(s): 3**
- PSY 3345 - The Psychology of Groups **Credit(s): 3**
- PSY 4035 - Forensic Psychology **Credit(s): 3**
- PSY 4090 - Modern Controversies in Psychology **Credit(s): 3**
- PSY 4110 - Creative Therapies **Credit(s): 3**
- PSY 4151 - Counseling Theory & Practice **Credit(s): 3**
- PSY 4250 - Animal Behavior & Psychology **Credit(s): 3**
- PSY 4330 - Introduction to Clinical Skills **Credit(s): 3**
- PSY 4340 - Fundamentals of Community Mental Health **Credit(s): 3**
- PSY 4760 - Topical Seminar in Psychology **Credit(s): 3 ***

- PSY 4810 - Internship in Psychology **Credit(s): 1-12**
- PSY 4910 - Independent Study in Psychology **Credit(s): 1-12**
- AHS 3230 - Physiology of Exercise **Credit(s): 4**
- AHS 4025 - Health Behavior: Change & Adherence **Credit(s): 3**
- AHS 4030 - Psychology of Sports & Exercise **Credit(s): 3**
- AHS 4110 - Psychophysiology of Stress **Credit(s): 3**
- ANT 3130 - Culture & Personality **Credit(s): 3**
- ANT 4010 - Anthropology of Death **Credit(s): 3**
- BIO 3160 - Animal Behavior **Credit(s): 4**
- SOC 3060 - Sexuality & Intimacy **Credit(s): 3**
- SOC 3080 - Wellness & Alternative Medicine **Credit(s): 3**
- SOC 4010 - Family Violence **Credit(s): 3**

** Different topics rotate through the course; each may be taken for elective credit toward the major.*

Total: 44 credits

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* meet all other Degree Requirements, including the General Education Core Curriculum and NVU Graduation Standards.

Psychology (B.A.): Health & Sport Psychology concentration - J

Psychology Programs at NVU-Johnson

Psychology is the scientific study of behavior and the mind. Students in the B.A. in Psychology program explore a wide range of theories concerning human behavior, development, thought, emotion, learning, intelligence, personality, group dynamics and abnormal behavior. Through coursework, fieldwork and research opportunities, students apply the knowledge gained in class to the real world and are encouraged to use what they learn toward understanding themselves and their relationships. Students have the opportunity to work as research assistants during the school year and in the summer. An internship is required. Elective options help students explore career possibilities, such as working with the chronically mentally ill, with children and families, and in the areas of organizational psychology, addictions, art therapy, forensic psychology and more. However, the study of psychology provides excellent preparation for careers not only in psychology, but in any field in which an understanding of human behavior is useful.

Learning Outcomes

The B.A. in Psychology is designed to produce students who graduate with a strong understanding the field of psychology, how it relates to interpersonal communication and behavior, and the practical application of this knowledge and skill set.

Health & Sport Psychology Concentration

This program explores how psychology can be used to improve motivation and performance, how physical activity improves mental health and overall well-being, and how stress and other psychological factors affect health and wellness. Students may engage in original research projects in collaboration with faculty and have the opportunity to assist with ongoing research into

biofeedback as a tool for exercise motivation. An internship in an area/setting relevant to health and sport psychology is required. **Graduates earn a B.A. in Psychology with a concentration in Health & Sport Psychology.**

Psychology Core Curriculum at NVU-Johnson (29 credits)

- PSY 1010 - Introduction to Psychology **Credit(s): 3**
- PSY 1035 - The Psychology Major **Credit(s): 1**
- PSY 2040 - Social Psychology **Credit(s): 3**
- PSY 2070 - Developmental Psychology **Credit(s): 3**
- PSY 2410 - Research Methods in Psychology **Credit(s): 3**
- PSY 3010 - Theories of Personality **Credit(s): 3**
- PSY 3025 - History of Modern Psychology **Credit(s): 3**
- PSY 3070 - Abnormal Psychology **Credit(s): 3**
- PSY 4010 - Biological Psychology **Credit(s): 3**
- PSY 4770 - Senior Seminar in Psychology **Credit(s): 1**
- PSY 4810 - Internship in Psychology **Credit(s): 1-12** (Minimum of 3 credits required)
- MAT 2021 - Statistics **Credit(s): 3**

** Psychology internships must be a minimum of 3 credits, and they must be arranged the semester prior to which they are to occur and included in the plan of study. The required internship must be taken concurrently with the Senior Seminar. Students completing the Health & Sport Psychology concentration must complete their internship in an area/setting relevant to health and sport psychology.*

Health & Sport Psychology Curriculum (15-16 credits)

Core Concentration Courses (9 credits)

- AHS 4025 - Health Behavior: Change & Adherence **Credit(s): 3**
- AHS 4030 - Psychology of Sports & Exercise **Credit(s): 3**
- AHS 4110 - Psychophysiology of Stress **Credit(s): 3**

The above courses can apply toward the major's electives requirement as well.

Electives (6-7 credits)

(Choose two courses)

- AHS 1010 - Contemporary Health Issues **Credit(s): 3**
- AHS 3120 - Kinesiology **Credit(s): 3**
- AHS 3230 - Physiology of Exercise **Credit(s): 4**
- BIO 3180 - Nutrition **Credit(s): 3**
- SOC 3080 - Wellness & Alternative Medicine **Credit(s): 3**

Total: 44-45 credits

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* meet all other Degree Requirements, including the General Education Core Curriculum and NVU Graduation Standards.

Psychology Minor - J

Required Courses

Core Courses (15 credits)

- PSY 1010 - Introduction to Psychology **Credit(s): 3**
- PSY 2040 - Social Psychology **Credit(s): 3**
- PSY 2070 - Developmental Psychology **Credit(s): 3**
- PSY 3010 - Theories of Personality **Credit(s): 3**
- PSY 3070 - Abnormal Psychology **Credit(s): 3**

Electives (9 credits)

- Nine psychology credits at the 3000 level and above to be chosen at the discretion of the student and advisor.

Total: 24 credits

Business & Economics - Johnson

Faculty / Staff

James Black, *Professor, Department Chair*

Henrique Cezar, *Associate Professor*

Andrew Lafrenz, *Coordinator of Sport Management Concentration*

Administrative Assistant: Renate Callahan

The Northern Vermont University-Johnson Department of Business & Economics offers three concentrations within the B.S. degree in Business Administration:

- Hospitality and Tourism Management
- Management
- Sport Management

Through coursework and internships with businesses and organizations, students gain skills and knowledge needed to succeed as owners and leaders in business and finance. Coursework and practicums focus on planning, organizational structure, leadership, human resources, marketing and financial management.

Also available is a two-year (A.S.) degree in Business Administration; minors in Business and Marketing; and three certificate programs (see more information below).

Masters of Business Administration Articulation Agreement between NVU-Johnson & Clarkson University

NVU-Johnson students who plan their undergraduate program carefully are able to earn their Master of Business Administration (M.B.A.) from Clarkson University in Potsdam, New York, in only one year. If NVU-Johnson students include the courses that serve as a foundation for the M.B.A. program, they are able to eliminate the need for up to one year of Clarkson's two-year program. In this way, a student could earn both an undergraduate degree from Northern Vermont University and an M.B.A. from Clarkson in just five years. Interested students should see the Business & Economics Department Chairperson.

Business & Economics Department Certificates

Certificates are designed for non-majors who are interested in an overview of the field. Certificates introduce students to the fundamentals of the discipline and are less comprehensive than a minor. NVU-Johnson offers three certificate programs:

- Certificate in Proficiency of Accounting (CPA)
- Certificate in Small Business Management
- Certificate in Sustainability

Programs

Majors & Concentrations

- Business Administration (B.S.): Hospitality & Tourism Management concentration - J
- Business Administration (B.S.): Management concentration - J, O
- Business Administration (B.S.): Sport Management Concentration - J, O
- Business Administration (B.S.) - J, L, O
- Business Administration (A.S.) - L

Minors

- Business Minor - J
- Marketing Minor - J, L

Certificates

- Certificate in Proficiency of Accounting - J
- Certificate in Small Business Management - J, O
- Certificate in Sustainability - J, O

The NVU-J Department of Business & Economics offers courses with the following designators: ACC (accounting), BUS (business), CIS (computer information systems), ECO (economics), and HTM (hospitality and tourism management). See full Course Descriptions.

Accounting (B.S.) - J, O

Business Programs at NVU-Johnson

The B.S. in Business Administration core is designed to provide students with the skills, knowledge and wisdom necessary to run their own business, be successful in an organization of their choosing and be prepared for graduate study. The program encompasses product and service planning, organizational structure, leadership, human resource management, marketing and financial management. Students engage in both classroom and high-impact learning experiences, including internships with businesses and organizations. By agreement with Clarkson University, **graduates who successfully complete specific courses through this program may earn an M.B.A. with one year of graduate study** at Clarkson. Refer to the NVU-Johnson Business & Economics Department page or contact the Department Chair for details.

Accounting

The B.S. in Accounting at NVU-Johnson is designed to prepare students for the 21st century business environment where innovation and flexibility are essential. The successful student will have a broad understanding of accounting as well as the business structures and practices within which accounting takes place. Each Accounting student will gain this broad knowledge through the 39-credit business core and the 21 credits of course work in the Management concentration. Beyond the accounting courses in the business core, 27 credits of accounting credits will complete the degree.

The B.S. in Accounting is a dual degree. Students will earn not only a B.S. in Accounting but also a B.S. in Business Administration with a concentration in Management. The program is designed for students to finish both degrees in four years.

Learning Outcomes

The B.S. in Accounting is designed to produce graduates who can:

1. Demonstrate the application of accounting principles, assumptions, constraints and processes to support financial and non-financial record keeping and decision making.
2. Apply analytical skills and advisory judgment critical to decision making, assessing risk, developing budgets and plans, allocating resources, and accomplishing objectives.
3. Demonstrate technology proficiency needed to maintain and enhance accounting and financial reporting processes.
4. Identify and apply ethical, legal, and professional standards to issues associated with accounting and business.
5. Achieve fluency with principles of economics, finance, marketing, management theory, and laws affecting business operations.
6. Achieve coherence and articulation in written, oral, and graphic communication.
7. Exemplify professionalism, effective interpersonal communication, and strong work ethic required within business environments.
8. Articulate pathways for educational and career development in the student's field of study.
9. Demonstrate the various ways that companies engage in sustainable business practices, including Corporate Social Responsibility and the Triple Bottom Line.

NVU Business Administration Core (39 Credits)

- ACC 2121 - Financial Accounting **Credit(s): 4**
- ACC 2122 - Managerial Accounting **Credit(s): 4**
- BUS 1210 - Business Software and Spreadsheets **Credit(s): 3**
- BUS 2015 - Fundamentals of Management in Business **Credit(s): 3**
- BUS 2140 - Personal Finance **Credit(s): 3**
- BUS 2230 - Principles of Marketing **Credit(s): 3**

- BUS 2280 - Introduction to Business Ethics **Credit(s): 3**
- BUS 2410 - Human Resource Management **Credit(s): 3**
- BUS 3131 - Business Law I **Credit(s): 3**
- BUS 3240 - Global Business **Credit(s): 3**
- BUS 4060 - Strategic Management **Credit(s): 3**
- ECO 2060 - Survey of Economics **Credit(s): 4**

Management Courses (21 credits)

- BUS 2010 - Project Management **Credit(s): 3**
- BUS 3230 - Financial Management **Credit(s): 3**
- BUS 3250 - Organizational Behavior & Management **Credit(s): 3**
- BUS 4190 - Leadership in Business **Credit(s): 3**
- BUS 4810 - Internship in Business Management **Credit(s): 1-12** (a minimum of 6 credits required)
- MAT 2021 - Statistics **Credit(s): 3**

Accounting Courses (27 credits)

- ACC 1010 - Computerized Accounting **Credit(s): 3**
- ACC 2201 - Intermediate Accounting I **Credit(s): 4**
- ACC 2202 - Intermediate Accounting II **Credit(s): 4**
- ACC 2210 - Cost Accounting **Credit(s): 4**
- ACC 2230 - Federal Taxes **Credit(s): 3**
- ACC 3115 - Advanced Accounting **Credit(s): 3**
- ACC 4050 - Auditing and Assurance Services **Credit(s): 3**
- ACC 4060 - Forensic Accounting **Credit(s): 3**

Total: 87 credits

Business Administration (A.S.) - J, O

This program addresses the basic components of a business: management, marketing, accounting, economics, and technology.

Learning Outcomes:

The A.S. in Business Administration is designed to produce graduates who can:

1. Apply analytical skills to assessing risk, developing budgets, allocating resources, and accomplishing objectives.
2. Demonstrate technology proficiency needed to maintain accounting and financial reporting processes.
3. Identify and apply ethical, legal and professional standards to issues associated with business.
4. Demonstrate a basic understanding of economics, finance, marketing, management theory, and laws affecting business operations.
5. Be able to communicate in written, oral, and graphic forms.
6. Demonstrate professionalism, effective communication, and appropriate work ethic required within business environments.
7. Articulate pathways for educational and career development in the student's field of study.

8. Have knowledge of the various ways that companies engage in sustainable business practices.

NVU AS Business Administration

- ACC 2121 - Financial Accounting **Credit(s): 4**
- ACC 2122 - Managerial Accounting **Credit(s): 4**
- BUS 1210 - Business Software and Spreadsheets **Credit(s): 3**
- BUS 2015 - Fundamentals of Management in Business **Credit(s): 3**
- BUS 2140 - Personal Finance **Credit(s): 3**
- BUS 2230 - Principles of Marketing **Credit(s): 3**
- BUS 2410 - Human Resource Management **Credit(s): 3**
- BUS 3131 - Business Law I **Credit(s): 3**
- ECO 2060 - Survey of Economics **Credit(s): 4**

Total: 30 credits

Business Administration (B.S.): Management concentration - J, O

Business Programs at NVU-Johnson

The B.S. in Business Administration core is designed to provide students with the skills, knowledge and wisdom necessary to run their own business, be successful in an organization of their choosing and be prepared for graduate study. The program encompasses product and service planning, organizational structure, leadership, human resource management, marketing and financial management. Students engage in both classroom and high-impact learning experiences, including internships with businesses and organizations. By agreement with Clarkson University, **graduates who successfully complete specific courses through this program may earn an M.B.A. with one year of graduate study** at Clarkson. Refer to the NVU-Johnson Business & Economics Department page or contact the Department Chair for details.

Management Concentration

Effective management of people, organizations, and processes has become the hallmark of successful business enterprises. This concentration hones these skills through 21 credits of course work. The courses, while based on theory, apply "learning by doing" to enhance the student experience with practical, real world applications. The required 6-credit internship brings the student into the business world where classroom theory can be tested in a real, live environment. Often the internship leads to full-time employment offers.

Graduates earn a B.S. in Business Administration with a concentration in Management.

Learning Outcomes:

The Business Administration (B.S.): Management concentration is designed to produce graduates who can:

1. Apply analytical skills and advisory judgment critical to decision making, assessing risk, developing budgets and plans, allocating resources, and accomplishing objectives.
2. Demonstrate technology proficiency needed to maintain and enhance accounting and financial reporting processes.
3. Identify and apply ethical, legal, and professional standards to issues associated with accounting and business.

4. Achieve fluency with principles of economics, finance, marketing, management theory, and laws affecting business operations.
5. Achieve coherence and articulation in written, oral, and graphic communication.
6. Exemplify professionalism, effective interpersonal communication, and strong work ethic required within business environments.
7. Articulate pathways for educational and career development in the student's field of study.
8. Demonstrate the various ways that companies engage in sustainable business practices, including Corporate Social Responsibility and the Triple Bottom Line.

NVU Business Administration Core (39 Credits)

- ACC 2121 - Financial Accounting **Credit(s): 4**
- ACC 2122 - Managerial Accounting **Credit(s): 4**
- BUS 1210 - Business Software and Spreadsheets **Credit(s): 3**
- BUS 2015 - Fundamentals of Management in Business **Credit(s): 3**
- BUS 2140 - Personal Finance **Credit(s): 3**
- BUS 2230 - Principles of Marketing **Credit(s): 3**
- BUS 2280 - Introduction to Business Ethics **Credit(s): 3**
- BUS 2410 - Human Resource Management **Credit(s): 3**
- BUS 3131 - Business Law I **Credit(s): 3**
- BUS 3240 - Global Business **Credit(s): 3**
- BUS 4060 - Strategic Management **Credit(s): 3**
- ECO 2060 - Survey of Economics **Credit(s): 4**

Management Concentration Curriculum (18-24 credits)

- BUS 2010 - Project Management **Credit(s): 3**
- BUS 3230 - Financial Management **Credit(s): 3**
- BUS 3250 - Organizational Behavior & Management **Credit(s): 3**
- BUS 4190 - Leadership in Business **Credit(s): 3**
- BUS 4810 - Internship in Business Management **Credit(s): 1-12** (a minimum of 6 credits required)
- MAT 2021 - Statistics **Credit(s): 3**

Total: 60 credits

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* meet all other Degree Requirements, including the General Education Core Curriculum and NVU Graduation Standards.

Business Administration (B.S.): Sport Management Concentration - J, O

Business Programs at NVU-Johnson

The B.S. in Business Administration core is designed to provide students with the skills, knowledge and wisdom necessary to run their own business, be successful in an organization of their choosing and be prepared for graduate study. The program encompasses product and service planning, organizational structure, leadership, human resource management, marketing and financial management. Students engage in both classroom and high-impact learning experiences, including internships with businesses and organizations. By agreement with Clarkson University, **graduates who successfully complete specific courses through this program may earn an M.B.A. with one year of graduate study** at Clarkson. Refer to the NVU-Johnson Business & Economics Department page or contact the Department Chair for details.

Sport Management Concentration

This program reflects the fact that sports today is as much about marketing events and refining a brand as it is about working with players and scheduling events - and that strong business skills are essential for successful careers in sport management. Students complete a core of business administration courses plus specific courses related to the business side of sports and recreation. An internship is required. **Students graduate with a B.S. in Business Administration with a concentration in Sport Management.** Career opportunities range from managing professional teams and arenas to overseeing the marketing and finances of sports teams and organizations.

Learning Outcomes:

Business Administration (B.S.): Sport Management concentration is designed to produce graduates who can:

1. Apply analytical skills and advisory judgment critical to decision making, assessing risk, developing budgets and plans, allocating resources, and accomplishing objectives.
2. Demonstrate technology proficiency needed to maintain and enhance accounting and financial reporting processes.
3. Identify and apply ethical, legal, and professional standards to issues associated with accounting and business.
4. Achieve fluency with principles of economics, finance, marketing, management theory, and laws affecting business operations.
5. Achieve coherence and articulation in written, oral, and graphic communication.
6. Exemplify professionalism, effective interpersonal communication, and strong work ethic required within business environments.
7. Articulate pathways for educational and career development in the student's field of study.
8. Demonstrate the various ways that companies engage in sustainable business practices, including Corporate Social Responsibility and the Triple Bottom Line.

NVU Business Administration Core (39 Credits)

- ACC 2121 - Financial Accounting **Credit(s): 4**
- ACC 2122 - Managerial Accounting **Credit(s): 4**
- BUS 1210 - Business Software and Spreadsheets **Credit(s): 3**
- BUS 2015 - Fundamentals of Management in Business **Credit(s): 3**
- BUS 2140 - Personal Finance **Credit(s): 3**
- BUS 2230 - Principles of Marketing **Credit(s): 3**
- BUS 2280 - Introduction to Business Ethics **Credit(s): 3**
- BUS 2410 - Human Resource Management **Credit(s): 3**
- BUS 3131 - Business Law I **Credit(s): 3**
- BUS 3240 - Global Business **Credit(s): 3**
- BUS 4060 - Strategic Management **Credit(s): 3**
- ECO 2060 - Survey of Economics **Credit(s): 4**

Sport Management Concentration Curriculum (21 credits)

- AHS 4030 - Psychology of Sports & Exercise **Credit(s): 3**
- BUS 3420 - Athletic Facility & Event Management **Credit(s): 3**
- BUS 1350 - Sport & Society, Sport Management Issues and Concepts **Credit(s): 3**
- BUS 4320 - Sport Promotion & Branding **Credit(s): 3**
- BUS 4810 - Internship in Business Management **Credit(s): 1-12** (a minimum of 6 credits required)
- MAT 2021 - Statistics **Credit(s): 3**

Total: 60 credits

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* meet all other Degree Requirements, including the General Education Core Curriculum and NVU Graduation Standards.

Business Minor - J

This minor is available to non-Business majors only. All course choices and sequences should be discussed with an advisor in the Department Business & Economics.

Required Courses (19 credits)

- ACC 2121 - Financial Accounting **Credit(s): 4**
- BUS 1210 - Business Software and Spreadsheets **Credit(s): 3**
- BUS 2015 - Fundamentals of Management in Business **Credit(s): 3**
- BUS 2140 - Personal Finance **Credit(s): 3**
- BUS 2230 - Principles of Marketing **Credit(s): 3**
- BUS 4190 - Leadership in Business **Credit(s): 3**

Total: 19 credits

Certificate in Proficiency of Accounting - J

NVU-Johnson's Certificate in Proficiency of Accounting is a flexible and convenient way to earn the additional credits required to meet Vermont licensing standards that took effect July 1, 2014, and sit for the national CPA exam. Classes may be taken on campus and/or online through the campus-based program, or entirely online through NVU Online.

The program of study is tailored to each student's situation in order to amass the required 150 credit hours, including 42 credits in accounting-related courses. A person with a B.A. degree in Business would still need to accrue the required additional 30 credits, even if he or she already has the 42 credits in accounting-related courses.

A full-time student could complete the certificate in one year: In two semesters if only 30 credits are needed, or in two semesters plus the summer if 42 credits are needed. Students enrolled in the certificate program are eligible for financial aid.

Students must complete the core business courses and the core accounting courses, at total of 43 credits, in order to earn the certificate of achievement in accounting.

Core Business Courses (24 credits)

- ACC 2121 - Financial Accounting **Credit(s): 4**
- ACC 2122 - Managerial Accounting **Credit(s): 4**
- BUS 2015 - Fundamentals of Management in Business **Credit(s): 3**
- BUS 2280 - Introduction to Business Ethics **Credit(s): 3**
- BUS 3131 - Business Law I **Credit(s): 3**
- BUS 3230 - Financial Management **Credit(s): 3**
- ECO 2060 - Survey of Economics **Credit(s): 4**

Core Accounting Courses (18 credits)

- ACC 2201 - Intermediate Accounting I **Credit(s): 4**
- ACC 2202 - Intermediate Accounting II **Credit(s): 4**
- ACC 2210 - Cost Accounting **Credit(s): 4**
- ACC 2230 - Federal Taxes **Credit(s): 3**
- ACC 4050 - Auditing and Assurance Services **Credit(s): 3**

Total: 42 credits

Certificate in Small Business Management - J, O

The program provides owners, operators, and employers with the knowledge and skills necessary to organize and operate successful small businesses. The program emphasizes management functions rather than operational techniques.

Required Courses

- ACC 2121 - Financial Accounting **Credit(s): 4**
- BUS 2015 - Fundamentals of Management in Business **Credit(s): 3**
- BUS 2210 - Small Business Management **Credit(s): 3**
- BUS 2230 - Principles of Marketing **Credit(s): 3**
- BUS 3131 - Business Law I **Credit(s): 3**

Total: 16 credits

Certificate in Sustainability - J, O

The NVU Johnson and NVU Online Certificate in Sustainability provides students with a broad understanding of ecological literacy within the context of learning how to live, work, and play sustainably on planet earth. The program is grounded in the practice of responsible business and the applied social and natural sciences. Experiential learning with a combined emphasis on the personal and professional arenas is at the core of the program. Course work and practicums weave together principles of ecology, green business, and community vitality within the context of finding solutions to the range of local to global environmental challenges. The program requires students to develop their own definition of sustainability as it pertains to their own particular set of values and circumstances. Course work and hands-on activities will ask students to delve deeply into the transdisciplinary and multifaceted topic of sustainability. From this integrated approach, students will learn to develop solutions to current and future environmental, social, and economic challenges in their professional and personal lives.

Learning Outcomes

1. Students will successfully apply classroom knowledge to real world experiences.
2. Students will demonstrate industry-appropriate communication skills and the ability to work effectively with diverse groups in a team environment.
3. Students will demonstrate the ability to amass, evaluate, and interpret complex information to make effective business decisions.
4. Students will develop the ability to utilize various analytical techniques, including triple bottom line and product/service life cycle analysis as they relate to business sustainability and personal lifestyle choices.
5. Students will have the ability to discuss the multiple dimensions of sustainability within a wide range of contexts
6. Students will be able to describe and interpret sustainability issues from local, regional, and global perspectives.
7. Students will understand mechanisms which lead to environmental and societal impacts from business operations and individual consumption patterns and be able to demonstrate the skills and knowledge required to develop plans that lead to positive changes for society and the natural environment on a local and global scale.

Required Core Courses (12 credits)

- BUS 1360 - Introduction to Sustainability **Credit(s): 3**
- BUS 3145 - Introduction to Sustainable Food and Agricultural Systems **Credit(s): 3**
- BUS 3440 - Ecotourism and Sustainability **Credit(s): 3**
- BUS 4340 - Environmental Entrepreneurship, Community Vibrancy, and Innovation **Credit(s): 3**

Electives (9 credits)

(Choose at least three courses)

- ENV 3260 - Global Climate Change **Credit(s): 3**
- INT 3010 - Natural Landscapes & Literature **Credit(s): 3**
- POS 3050 - Environmental Ethics & Politics **Credit(s): 3**
- SOC 3020 - Environment & Society **Credit(s): 3**
- SOC 3240 - Nutrition, Food & Society **Credit(s): 3**
- ENV 2060 - Energy, Environment, and Society **Credit(s): 4** (Lyndon campus)
- ENV 2090 - Sustainable Living **Credit(s): 3** (Lyndon campus)

Total: 21 credits

Business Administration - Lyndon

Mark Hilton, *Professor*

Stephanie Giese, *Assistant Professor*

William Morison, *Assistant Professor*

Bachelor of Science **in Accounting**

Bachelor of Science in Business Administration

Bachelor of Science in Sport Management

Associate of Science in Business Administration

Minors: Business, Marketing

Mission Statement

The Northern Vermont University-Lyndon Department of Business Administration prepares our students for personal and professional success through experiential learning and team collaboration. Our programs are designed to provide students with the requisite knowledge, skills, and abilities to pursue a successful career in any of the fields they choose. In order to achieve this central objective, we continually evaluate our programs, courses, and learning assessment methods in order to support student engagement, learning, and development.

Program Goals

The Business Department's approach includes online and in-class learning through engaged student class room discussion.

- achieve coherence and articulation in written, oral, and graphic communication
- establish an understanding and appreciation of the interrelationships of interpersonal behavior within organizations
- demonstrate technology proficiency
- achieve fluency with principles of finance, marketing, and management theory
- obtain an understanding of laws affecting business operations
- achieve currency with the principles of economics and the operating of global economies
- understand the operation of the information systems by which managers manage and the significance of the information generated from these systems
- research and explore the range of business literature to develop a more sophisticated level of analysis and research activities

Program Description

Our Bachelor of Science in Business Administration and Accounting programs all include required hands-on experiential team learning, a business internship, and a senior business client-based practicum. We emphasize the building of a professional resume early in the program and offer additional local opportunities to work directly with clients to solve business problems with faculty oversight.

Student Learning Outcomes

Students graduating with a Bachelor of Science in Accounting will be able to demonstrate:

- Students learn the proper recording of financial transactions as required by GAAP and IFRS.
- Students utilize accounting information for analysis and management decision making.
- Students acquire the necessary knowledge to sit for the Uniform CPA Exam.

Students graduating with an Associate of Science in Business Administration will be able to demonstrate:

- Competency in creating professional-level written, oral, and graphic presentations.
- Competency in the basic areas of business administration

Students graduating with a Bachelor of Science in Business Administration will be able to demonstrate:

- Competency in creating professional-level written, oral, and graphic presentations.
- The ability to comprehend and analyze business performance using financial statements and reports.
- Competency in the basic areas of business administration.
- The ability to define a business problem and develop options to solve the problem.

Program Assessment

In order to assess our success in achieving the broad goals of our program enunciated above, we ask our students to produce evidence of this mastery with papers, speeches, group presentations, appropriate output from computers, engaged discussion in classes, and by examination. Further evidence is provided by our local business clients who review and assess student performance during internships, and senior practicum.

Accounting (B.S.) - L

Minimum required credits for the program: 78

NVU Business Administration Core (39 Credits)

- ACC 2121 - Financial Accounting **Credit(s): 4**
- ACC 2122 - Managerial Accounting **Credit(s): 4**
- BUS 1210 - Business Software and Spreadsheets **Credit(s): 3**
- BUS 2015 - Fundamentals of Management in Business **Credit(s): 3**
- BUS 2140 - Personal Finance **Credit(s): 3**
- BUS 2230 - Principles of Marketing **Credit(s): 3**
- BUS 2280 - Introduction to Business Ethics **Credit(s): 3**
- BUS 2410 - Human Resource Management **Credit(s): 3**
- BUS 3131 - Business Law I **Credit(s): 3**
- BUS 3240 - Global Business **Credit(s): 3**
- BUS 4060 - Strategic Management **Credit(s): 3**
- ECO 2060 - Survey of Economics **Credit(s): 4**

Management Courses (21 Credits)

- BUS 2010 - Project Management **Credit(s): 3**
- BUS 3230 - Financial Management **Credit(s): 3**
- BUS 3250 - Organizational Behavior & Management **Credit(s): 3**
- BUS 3810 - Business Internship **Credit(s): 3**
- BUS 4190 - Leadership in Business **Credit(s): 3**
- BUS 4830 - Senior Practicum **Credit(s): 3**
- MAT 2021 - Statistics **Credit(s): 3**

Accounting Courses (27 Credits)

- ACC 2201 - Intermediate Accounting I **Credit(s): 4**
- ACC 2202 - Intermediate Accounting II **Credit(s): 4**

- ACC 2210 - Cost Accounting **Credit(s): 4**
- ACC 2230 - Federal Taxes **Credit(s): 3**
- ACC 3050 - Computerized Accounting **Credit(s): 3**
- ACC 3115 - Advanced Accounting **Credit(s): 3**
- ACC 4050 - Auditing and Assurance Services **Credit(s): 3**
- ACC 4060 - Forensic Accounting **Credit(s): 3**

Business Administration (A.S.) - L

Minimum required credits for the program: 30

Students pursuing the A.S. in Business Administration are required to complete MAT 2021, as a part of their GECC Mathematics and Computing in the World (NMCW) requirement.

NVU AS Business Administration

- ACC 2121 - Financial Accounting **Credit(s): 4**
- ACC 2122 - Managerial Accounting **Credit(s): 4**
- BUS 1210 - Business Software and Spreadsheets **Credit(s): 3**
- BUS 2015 - Fundamentals of Management in Business **Credit(s): 3**
- BUS 2140 - Personal Finance **Credit(s): 3**
- BUS 2230 - Principles of Marketing **Credit(s): 3**
- BUS 2410 - Human Resource Management **Credit(s): 3**
- BUS 3131 - Business Law I **Credit(s): 3**
- ECO 2060 - Survey of Economics **Credit(s): 4**

Business Administration (B.S.): Management Concentration - L

Minimum required credits for the program: 60-63

NVU Business Administration Core (39 Credits)

- ACC 2121 - Financial Accounting **Credit(s): 4**
- ACC 2122 - Managerial Accounting **Credit(s): 4**
- BUS 1210 - Business Software and Spreadsheets **Credit(s): 3**
- BUS 2015 - Fundamentals of Management in Business **Credit(s): 3**
- BUS 2140 - Personal Finance **Credit(s): 3**
- BUS 2230 - Principles of Marketing **Credit(s): 3**
- BUS 2280 - Introduction to Business Ethics **Credit(s): 3**
- BUS 2410 - Human Resource Management **Credit(s): 3**
- BUS 3131 - Business Law I **Credit(s): 3**
- BUS 3240 - Global Business **Credit(s): 3**
- BUS 4060 - Strategic Management **Credit(s): 3**
- ECO 2060 - Survey of Economics **Credit(s): 4**

Concentration in Management (21 Credits)

- BUS 2010 - Project Management **Credit(s): 3**
- BUS 3230 - Financial Management **Credit(s): 3**
- BUS 3250 - Organizational Behavior & Management **Credit(s): 3**
- BUS 3810 - Business Internship **Credit(s): 3**
- BUS 4190 - Leadership in Business **Credit(s): 3**
- BUS 4830 - Senior Practicum **Credit(s): 3**
- MAT 2021 - Statistics **Credit(s): 3**

Business Administration (B.S.): Sport Management Concentration - L

Minimum required credits for the program: 60-63

NVU Business Administration Core (39 Credits)

- ACC 2121 - Financial Accounting **Credit(s): 4**
- ACC 2122 - Managerial Accounting **Credit(s): 4**
- BUS 1210 - Business Software and Spreadsheets **Credit(s): 3**
- BUS 2015 - Fundamentals of Management in Business **Credit(s): 3**
- BUS 2140 - Personal Finance **Credit(s): 3**
- BUS 2230 - Principles of Marketing **Credit(s): 3**
- BUS 2280 - Introduction to Business Ethics **Credit(s): 3**
- BUS 2410 - Human Resource Management **Credit(s): 3**
- BUS 3131 - Business Law I **Credit(s): 3**
- BUS 3240 - Global Business **Credit(s): 3**
- BUS 4060 - Strategic Management **Credit(s): 3**
- ECO 2060 - Survey of Economics **Credit(s): 4**

Concentration in Sport Management (21 Credits)

- BUS 1350 - Sport & Society, Sport Management Issues and Concepts **Credit(s): 3**
- SPL 2010 - Sport Marketing and Promotions **Credit(s): 3**
- SPL 2030 - Athletic Administration **Credit(s): 3**
- SPL 3030 - Facility Design and Event Management **Credit(s): 3**
- SPL 4810 - Internship in Sport Management **Credit(s): 1-15**
- XSC 2060 - Sport and Exercise Psychology **Credit(s): 3**

Business Minor - L

Minimum required credits for the minor: 19

Requirements for the minor

- ACC 2121 - Financial Accounting **Credit(s): 4**
- BUS 1210 - Business Software and Spreadsheets **Credit(s): 3**

- BUS 2015 - Fundamentals of Management in Business **Credit(s): 3**
- BUS 2230 - Principles of Marketing **Credit(s): 3**
- BUS 4190 - Leadership in Business **Credit(s): 3**

Marketing Minor - J, L

Minimum required credits for the minor: 21

Requirements for the minor

- BUS 1210 - Business Software and Spreadsheets **Credit(s): 3**
- BUS 2015 - Fundamentals of Management in Business **Credit(s): 3**
- BUS 2230 - Principles of Marketing **Credit(s): 3**
- BUS 3272 - Social-Media Marketing **Credit(s): 3**
- BUS 3160 - Sales Management and Selling **Credit(s): 3**
- BUS 4030 - Marketing Research **Credit(s): 3**
- MAT 2021 - Statistics **Credit(s): 3**

Total: 21 credits

Sport Management (B.S.) - L

Minimum required credits for program: 45

Requirements for the program

- SPL 2010 - Sport Marketing and Promotions **Credit(s): 3**
- SPL 2030 - Athletic Administration **Credit(s): 3**
- SPL 2040 - Sports Information and Media **Credit(s): 3**
- SPL 2050 - Sport Business **Credit(s): 3**
- SPL 2060 - Sport Leadership and Governance **Credit(s): 3**
- SPL 3030 - Facility Design and Event Management **Credit(s): 3**
- SPL 3040 - Sport Resource Management **Credit(s): 3**
- XSC 3130 - Coaching Principles **Credit(s): 3**
- HIS 3155 - Sports in American History **Credit(s): 3**
- SPL 4020 - Sport Law **Credit(s): 3**
- SPL 4720 - Senior Seminar in Sport Management **Credit(s): 3**
- SPL 4810 - Internship in Sport Management **Credit(s): 1-15**
Students must take at least 9 credits of SPL 4810 for the program.

Sport Management Minor - L

Minimum Required Credits for the Program: 15 Credits

Requirements for the minor

- BUS 1350 - Sport & Society, Sport Management Issues and Concepts **Credit(s): 3**
- SPL 2010 - Sport Marketing and Promotions **Credit(s): 3**
- SPL 2030 - Athletic Administration **Credit(s): 3**
- SPL 3030 - Facility Design and Event Management **Credit(s): 3**
- XSC 2060 - Sport and Exercise Psychology **Credit(s): 3**

Communications and Journalism - Lyndon

Tim Lewis, *Professor*

Meaghan Meachem, *Associate Professor*

Bachelor of Science in Broadcast and Digital Journalism

Bachelor of Science in Digital Communications, PR, & Marketing

Associate of Science in Broadcast and Digital Journalism

Associate of Science in Digital Communications, PR, & Marketing

Minor: Broadcast and Digital Journalism

Minor: Commercial Production

Mission Statement

The Northern Vermont University-Lyndon (formally Lyndon State College) Department of Communications and Journalism offers preparation toward a professional career in the ever-changing field of journalistic storytelling across multiple visual and media technologies, leading to an Associate's Degree or Bachelor of Science Degree. Classroom study complements extensive hands-on experience at both the introductory and advanced levels.

Program Description

Our common program goals are designed to ensure that our students acquire the skills and knowledge necessary for professional career opportunities in electronic journalism (visual, editorial, online, print.) The two-year Associate of Science degrees provides individually designed study for those persons seeking skills enhancement for entry-level professional opportunities. The four-year Bachelor of Science degrees consistently leads to entry-level career placement upon graduation. A minor designed for broadcast meteorologists enhances their chances for employment with field reporting and photojournalism techniques to add to their in-studio "green-screen" skills.

Program Goals

Graduates of the program will demonstrate proficiency and creativity in written, oral, and presentational communication. Graduates will also acquire the critical thinking and analytical skills demanded by the profession and required for success in the rapidly changing information industry. The experiential nature of the program through the Vermont Center for Community

Journalism, internships, field trips, regional conference participation, and national convention attendance are unmatched in all of New England.

The program trains students in reporting methods and techniques for visual, editorial, online and print mediums. It produces graduates able to report across multiple platforms with research and presentation abilities needed for success in fields beyond journalism. Students may select courses to specialize in a particular medium. The capstone community service learning experience for students takes place in the Vermont Center for Community Journalism at NVU-Lyndon. The VCCJ provides a geographical laboratory and classroom instruction for the training of journalists in the various communication modes that deliver news and information vital to communities for the practice of democracy and a civilized society.

NVU-Lyndon's Communications and Journalism programs enjoy a growing national reputation for excellence. In 2013 and 2014 the Department was named one of the Top 10 Journalism Education Programs in the country by a survey of news professionals conducted by the Radio Television Digital News Association and Crain's TV NewsPro Magazine. The VCCJ's web outlet NewsLINC went online in 2008 and immediately became nationally recognized-named as a Finalist, Best StudentWebsite, by the Broadcast Education Association in 2009, 2010, and 2011; and by the College Media Advisors in 2009). NewsLINC joined the established and award-winning live broadcasts of LSC-TV News 7, which was named Best College Newscast in the Country by the Society of Professional Journalists in 1997 and won an NATAS Emmy in 2004. The VCCJ also debuted a new electronic print publication NewsINK 2010. Since 1987, students in the program have received some 110 awards for their work - 37 of those in national competition.

Student Learning Outcomes

Graduates completing the major will be able to:

1. Demonstrate competency in the various elements associated with electronic journalism and non-news video, print and web content production.
2. Utilize video/image acquisition, studio production written communication, and online technologies to meet minimum expected industry standards for entry-level positions.
3. Tell significant stories to self-governing citizens in an interesting and relevant fashion utilizing various media technologies
4. Meet and maintain industry ethics, practices and standards, maintained by the National Press Photographer Association (NPPA), the Society of Professional Journalists (SPJ) and the Radio Television Digital News Association (RTDNA).

Program Assessment

Regular changes are made to our program, based on cooperative education supervisor feedback and other assessment gathering information tools. Since our interns are placed in positions that demand appropriate and up-to-date skills, we are able to adjust the program based on the success and limitations that result from our students' cooperative education placements, and alumni feedback.

In addition, the faculty is actively engaged in working with and observing the industry. Faculty members have been awarded grants for extended visitations and participation at regional news outlets such as WCAX-TV CBS Affiliate, Vermont Public Radio, and at national media such as CNN. These activities provide continuous assessment of the program.

Public feedback from viewers of NVU Lyndon-TV programming also provides documentation for our program assessments. In a similar fashion our competency-based assessment of individual students helps us identify possible changes in the program itself as do the end-of-term "demo reels" or portfolios we require of our students.

Since 1996, the program has achieved consistent recognition regionally and nationally from organizations such as the Associated Press, the Society for Professional Journalists, the Broadcast Education Association, the Vermont Association of Broadcasters, College Broadcasters Inc., the American Women in Radio & Television, the College Media Advisors and the Academy of Television Arts and Sciences Foundation. Students consistently achieve recognition by those same organizations as award winners in photojournalism, feature and spot-news reporting (broadcast and online) as well as overall excellence in journalism.

Broadcast and Digital Journalism (A.S.) - L

Minimum required credits for the program: 26-27

Requirements for the program

- JOU 1010 - Introduction to Media Communication **Credit(s): 3**
- JOU 1125 - Television Production and Editing **Credit(s): 3**
- JOU 1221 - Interpersonal Communication **Credit(s): 3**
- JOU 2040 - Journalistic Writing **Credit(s): 3**
- JOU 2125 - Advanced Field Production and Digital Editing **Credit(s): 4**
- JOU 2130 - Local News Gathering **Credit(s): 3**
- JOU 2828 - Newsroom Practicum I (Lite) **Credit(s): 1-2**
- JOU 2840 - Professional Communications in Media I **Credit(s): 3**
- JOU 3030 - Media Law and Regulations **Credit(s): 3**
- JOU 3850 - Social Media in the Media **Credit(s): 3**

Broadcast and Digital Journalism (B.S.) - L

Minimum required credits for the program: 60

Requirements for the program

- JOU 1010 - Introduction to Media Communication **Credit(s): 3**
- JOU 1125 - Television Production and Editing **Credit(s): 3**
- JOU 1221 - Interpersonal Communication **Credit(s): 3**
- JOU 2040 - Journalistic Writing **Credit(s): 3**
- JOU 2125 - Advanced Field Production and Digital Editing **Credit(s): 4**
- JOU 2130 - Local News Gathering **Credit(s): 3**
- JOU 2160 - History of Journalism **Credit(s): 3**
- JOU 2815 - Newsroom Practicum I **Credit(s): 4**
- JOU 2840 - Professional Communications in Media I **Credit(s): 3**
- JOU 3030 - Media Law and Regulations **Credit(s): 3**
- JOU 3240 - Professional Communications in Media II **Credit(s): 3**
- JOU 3815 - Newsroom Practicum II **Credit(s): 6**
- JOU 3850 - Social Media in the Media **Credit(s): 3**
- JOU 4020 - Issues and Ethics in Media **Credit(s): 3**
- JOU 4550 - Advanced Professional Communications in the Media **Credit(s): 1**
- JOU 4815 - Newsroom Practicum III **Credit(s): 9**

- JOU 4850 - Convergence Portfolio Practicum: I-Team **Credit(s): 3 OR**
- JOU 4851 - Convergence Portfolio Practicum: Photojournalism **Credit(s): 3 OR**
- JOU 4852 - Convergence Portfolio Practicum: Print & Digital **Credit(s): 3**

Broadcast and Digital Journalism Minor - L

Recommended for ATM and SMG students.

Minimum required credits for the minor: 20-21

Requirements for the minor

- JOU 1125 - Television Production and Editing **Credit(s): 3**
- JOU 1221 - Interpersonal Communication **Credit(s): 3**
- JOU 2125 - Advanced Field Production and Digital Editing **Credit(s): 4**
- JOU 2130 - Local News Gathering **Credit(s): 3**
- JOU 2828 - Newsroom Practicum I (Lite) **Credit(s): 1-2**
- JOU 2840 - Professional Communications in Media I **Credit(s): 3**
- JOU 3850 - Social Media in the Media **Credit(s): 3**

Commercial Production Minor - L

Minimum required credits for the minor: 22

Requirements for the program

- COM 3080 - Strategic Media Communications **Credit(s): 3**
- ENG 2155 - Multimedia Storytelling **Credit(s): 3**
- JOU 2125 - Advanced Field Production and Digital Editing **Credit(s): 4**
- JOU 2135 - Studio Production **Credit(s): 3**
- JOU 3125 - Post Production I **Credit(s): 3**
- JOU 4125 - Post Production II **Credit(s): 3**
- JOU 4220 - Directing **Credit(s): 3**

Digital Communications, PR & Marketing (A.S.) - L

Minimum required credits for the program: 28

Requirements for the program

- BUS 2230 - Principles of Marketing **Credit(s): 3**
- BUS 3272 - Social-Media Marketing **Credit(s): 3**
- COM 2085 - Public Relations, Advertising, and Marketing **Credit(s): 3**
- COM 3080 - Strategic Media Communications **Credit(s): 3**
- DES 2030 - Fundamentals of Web Design **Credit(s): 3**
- JOU 1010 - Introduction to Media Communication **Credit(s): 3**
- JOU 2040 - Journalistic Writing **Credit(s): 3**
- JOU 2125 - Advanced Field Production and Digital Editing **Credit(s): 4**
- JOU 3850 - Social Media in the Media **Credit(s): 3**

Digital Communications, PR & Marketing (B.S.) - L

Minimum required credits for the program: 49

Requirements for the program

- BUS 2230 - Principles of Marketing **Credit(s): 3**
- BUS 2280 - Introduction to Business Ethics **Credit(s): 3**
- BUS 3272 - Social-Media Marketing **Credit(s): 3**
- BUS 4030 - Marketing Research **Credit(s): 3**
- COM 2085 - Public Relations, Advertising, and Marketing **Credit(s): 3**
- COM 3080 - Strategic Media Communications **Credit(s): 3**
- DES 2010 - Moving Image Fundamentals **Credit(s): 3**
- DES 2030 - Fundamentals of Web Design **Credit(s): 3**
- ENG 2155 - Multimedia Storytelling **Credit(s): 3**
- JOU 1010 - Introduction to Media Communication **Credit(s): 3**
- JOU 2040 - Journalistic Writing **Credit(s): 3**
- JOU 2125 - Advanced Field Production and Digital Editing **Credit(s): 4**
- JOU 3030 - Media Law and Regulations **Credit(s): 3**
- JOU 3125 - Post Production I **Credit(s): 3**
- JOU 3850 - Social Media in the Media **Credit(s): 3**

Take one of the following:

- COM 4810 - Sr. Internship in Digital Communications **Credit(s): 3**
- COM 4815 - Digital Communications Practicum **Credit(s): 3**

Criminal Justice, History, & Global Studies - Lyndon

Paul Searls, *Professor*

Alexandre Strokanov, *Professor*

Brandon Stroup, *Assistant Professor*

Bachelor of Science in Criminal Justice

Bachelor of Arts in Global Studies

-Social Science Concentration

-Global Studies Concentration

-History Concentration

-Anthropology/Sociology Concentration

Associate of Science in Criminal Justice

Minors: Anthropology/Sociology, Criminal Justice, History, Pre-Law, Race and Gender, Russian and Eurasian Studies

Bachelor of Science in Criminal Justice Program

Mission Statement

The Criminal Justice degree empowers its students to be successful in their career endeavors by providing students with both a quality behavioral science foundation-focusing on the social, cultural, psychological, political, and historical factors relating to crime-and practical training in a variety of criminal justice fields, such as law enforcement, the courts, corrections, and law. This program is designed to prepare students to be excellent employees for criminal justice regional and federal agencies, as well as promising applicants for graduate school.

Program Goals

Students majoring in Criminal Justice will

- study the culture of deviance, law and factors that can lead to criminality
- study issues regarding the fairness of the justice system
- understand misconceptions about crime and the criminal justice system itself
- learn the importance of research and apply social theory to real-life issues of deviance and criminality
- gain a broad understanding of human behavior and diversity and gain important skills, such as critical thinking, theory-building, communication, and problem solving
- work in local, county, state, and federal government agencies, as well as in the private sector, in law enforcement, behavioral analysis, human services, courts, institutional and community-based corrections, victims' services, the juvenile justice system, research, teaching, law, forensics, and a variety of other fields.

Program Description

The Criminal Justice major is comprised of 49 credits including a foundational core of sociology, psychology, and criminal justice and an advanced core of law enforcement, judicial process, criminology, law, punishment and corrections, ethics, theory, internship, and research design. Once accepted to this program, students will be assigned an advisor who will guide them in registering and selecting appropriate internships for their skills and interests. Students will also complete a senior thesis project and engage in community service learning.

Student Learning Outcomes

- Demonstrate an understanding of--and encourage a deep critical engagement with--behavioral science theory, ethics, case law, law enforcement, the criminal court system, and corrections, and criminology. Students are required to write a two-to-three page essay, concerning the theoretical explanation of a particular crime or deviance phenomenon. The essay will be evaluated in conjunction with the Graduate Standards Exam for Writing.
- Utilize basic social science and professional research methods associated with criminal justice, including design, data analysis, and interpretation of different official crime indexes. Students are required to write a 25-35 page research paper involving the fields of Criminal Justice and Social Science inquiry. This thesis will be commenced in SSC 3020 Research Design and Analysis, theoretically enhanced during SSC 4740 Social Science Seminar, and completed in SSC 4720 Senior Thesis.
- Demonstrate an awareness of the myriad of factors and diversity of populations contributing to crime, its prevention, and its intervention and engage in community service in the pursuit of the greater common good. Students will be required to document some form of collaborative service work as a constructive member of a team designed to improve

the lives of people in local, regional, federal, or international settings. Students will write up a brief (1 page) description of purpose, methods, and outcome of service efforts.

- Experience fieldwork related to their pursuit of careers and undergraduate study in the field of criminal justice. Students are required to complete an internship project in any one of the many criminal justice fields-border patrol, law enforcement, forensics, game warden assistantship, corrections officer assistant, and so on.
- Demonstrate effective oral and written communication skills within a liberal arts foundation to better prepare them for any career in the criminal justice system or graduate school. Students will present a 10-minute oral defense of their senior thesis research project at the end of their senior year. The student's department faculty mentor will assign the score rating of the oral performance. A second department faculty will fill out a second rubric to provide a second opinion for the protection of the student, in conjunction with the requirements embodied in the NVU Graduate Standards Exam for Oral Presentation.

Assessing Student Learning Outcomes

Criminal Justice majors can fulfill the Graduate Standard for Writing with the two-to-three page essay concerning the theoretical explanation of a particular crime or deviance phenomenon required for graduation. Students will write a 25-35 page research paper/thesis addressing the fields of Criminal Justice and Social Science inquiry. Students must also document collaborative service work as a constructive member of a team designed to improve the lives of people in local, regional, federal, or international settings. An internship project in any one of the many criminal justice fields-border patrol, law enforcement, forensics, game warden assistantship, corrections officer assistant-is required of Criminal Justice majors.

Finally, a 10-minute oral defense of the senior thesis research project is required at the end of their senior year. The student's department faculty mentor will assign the score rating of the oral performance. A second department faculty provide a second opinion for the protection of the student, in conjunction with the requirements embodied in the NVU Graduate Standards Exam for Oral Presentation.

Bachelor of Arts in Global Studies Program

Mission Statement

The Global Studies program is designed to give students an interdisciplinary understanding of human nature. It seeks to educate students about their society and the world and to encourage them to think critically about the human condition. The department offers courses in Anthropology, Geography, History, Criminal Justice, Political Science, Sociology, as well as foreign languages (Russian, Spanish). It supports the University's mission of equipping students to respond to the challenges of an evolving society and to advance the quality of life in a diverse global community. The department contributes to both the social science and humanities divisions of the college's general education program and focuses on experiential learning.

The department offers a Bachelor of Arts Degree in Global Studies with concentrations in Anthropology/Sociology, History, and Global Studies, and a Bachelor of Science Degree in Criminal Justice. Students may also elect a Social Science concentration within the Liberal Studies major. The department prepares students enrolled in the elementary and secondary education programs with knowledge, skills, and values they will need to teach social studies. It also prepares students to pursue graduate studies and employment in the field of their choice.

Program Goals

Students will be well prepared for post-graduation employment through the study and application of the theories and practices of the disciplines of the social sciences. Students may choose an emphasis with the social sciences that matches their career goals. Students will gain a broad understanding of human behavior and diversity and gain such important skills as critical thinking, theory building, communication and problem solving. Our students will apply their education to work in a wide range of

employment, including the law, state and federal government agencies, media, public relations, politics and lobbying agencies, museums, archives and other public and private historical and anthropological institutions. Students will gain experiential learning through a variety of field trips, internships, and travel opportunities around the world.

Program Description

The Global Studies major is comprised of a minimum of 45 to 46 credits. The foundational core gives students a broad education in the disciplines of anthropology, sociology, history, political science, geography and economics.

Once accepted to the program, students will be assigned an advisor who will work closely with them in registering, and in selecting appropriate internships or international experience and studies abroad for their skills and interests. Students will complete a senior thesis research project, and defend the thesis in an oral presentation.

Students Learning Outcomes

Graduates of the majors of Global Studies will be able to:

- utilize disciplinary concepts, knowledge, and tools of the social sciences to analyze social phenomena of the past or present that reflect an understanding of the factors that influence human social behavior
- conduct an original research based on history and social science research methodologies, and write a senior thesis that conforms to the standards of the discipline(s)
- present research findings clearly and accurately in the form of an oral presentation with use of appropriate visualization of presented material;
- acquire skills and behaviors necessary for obtaining employment and succeeding in the professional world (internships, community involvement projects, etc.);
- demonstrate a critical understanding of cultural phenomena.

Students will also do one of the following: travel outside the U.S.; learn a foreign language (minimum two semesters); write an essay focusing on the role of social factors such as race, gender, ethnicity, religion, history and the global economy in shaping cultural reality in the world today.

Assessing Student Learning Outcomes

The Northern Vermont University-Lyndon Criminal Justice, History, & Global Studies Department assesses its program goals in a variety of ways, including evaluation of student work in all courses, a senior thesis or a capstone, an oral presentation of the senior thesis, and a senior survey. Each department major must complete a portfolio containing a number of components, each of which are individually assessed. The department evaluates course syllabi to ensure that learning outcomes are clearly reflected in the department's courses and that students are exposed to experiences that advance the program's goals as they progress through it.

Anthropology/Sociology Minor - L

Minimum required for the minor: 18

Requirements for the minor

- ANT 1030 - Introduction to Anthropology **Credit(s): 3**
- SOC 1010 - Introduction to Sociology (L) **Credit(s): 3**

Additional Credits: (12 Credits)

Twelve additional credits in Anthropology or Sociology (including PSY-3090 - Lifespan Across Cultures), at least nine credits at the 3000-4000 level.

Criminal Justice (A.S.) - L

Minimum credits: 27

Students interested in focusing on restorative justice can take the following 18 credits:

CRJ 2150 - Community and Restorative Justice

CRJ 2030 - Victimology

CRJ 2410 - Race, Class, Gender, and Crime

CRJ 3210 - Punishment and Corrections

CRJ 3310 - Applying Restorative Justice Methods

CRJ 3410 - Peace Making

Note: SSC 1040 is recommended for all first year CRJ students.

Core (12 Credits)

- CRJ 1010 - Introduction to Criminal Justice (L) **Credit(s): 3**
- CRJ 2050 - Criminology **Credit(s): 3**
- CRJ 2170 - Ethics and Professionalism in Criminal Justice **Credit(s): 3**
- CRJ 2510 - Criminal Law **Credit(s): 3**
(or POS 3170)

Criminal Justice System Electives

Choose 6 credits of the following.

- CRJ 2010 - Law Enforcement in America **Credit(s): 3**
- CRJ 2020 - American Judicial Process **Credit(s): 3**
- CRJ 2030 - Victimology **Credit(s): 3**
- CRJ 2150 - Community and Restorative Justice (L) **Credit(s): 3**
- CRJ 3160 - Juvenile Justice **Credit(s): 3**
- CRJ 3210 - Punishment and Corrections **Credit(s): 3**
- CRJ 3220 - International Criminal Justice **Credit(s): 3**

Criminal Justice Issues Electives

Choose 6 credits of the following.

- CRJ 2210 - Death Penalty **Credit(s): 3**
- CRJ 2220 - Environmental Justice **Credit(s): 3**
- CRJ 2410 - Race, Class, Gender, and Crime **Credit(s): 3**
- CRJ 3070 - Media and Crime **Credit(s): 3**
- CRJ 3120 - White-Collar Crime **Credit(s): 3**
- CRJ 3130 - Wrongful Convictions **Credit(s): 3**
- CRJ 3250 - Terrorism **Credit(s): 3**
- CRJ 3410 - Peace Making **Credit(s): 3**
- CRJ 4710 - Special Topics in Criminal Justice **Credit(s): Variable**

Criminal Justice Professional Development Electives

Choose 3 credits of the following.

- CRJ 3085 - Research Design and Analysis **Credit(s): 3**
- CRJ 3145 - Criminal Justice Administration **Credit(s): 3**
- CRJ 3155 - Investigation Sciences **Credit(s): 3**
- CRJ 3165 - GIS Applications in Criminal Justice **Credit(s): 3**
- CRJ 3310 - Applying Restorative Justice Methods **Credit(s): 3**
- CRJ 4810 - Internship in Criminal Justice (L) **Credit(s): 3-6**

Criminal Justice (B.S.): Criminal Justice Concentration - L, O

Minimum required credits for the program: 48-51

Criminal Justice Core (27 Credits)

- SOC 1010 - Introduction to Sociology (L) **Credit(s): 3**
(or PSY 1010)
- CRJ 1010 - Introduction to Criminal Justice (L) **Credit(s): 3**
- CRJ 2050 - Criminology **Credit(s): 3**
- CRJ 2170 - Ethics and Professionalism in Criminal Justice **Credit(s): 3**
- CRJ 2510 - Criminal Law **Credit(s): 3**
(or POS 3170)
- CRJ 3085 - Research Design and Analysis **Credit(s): 3**
- CRJ 4810 - Internship in Criminal Justice (L) **Credit(s): 3-6**
- SSC 4720 - Senior Thesis/Capstone **Credit(s): 3**

Concentration in Criminal Justice (24 Credits)

Criminal Justice System Electives

Choose at least 9 credits of the following, with at least 6 credits at the 3000/4000 level.

- CRJ 2010 - Law Enforcement in America **Credit(s): 3**

- CRJ 2020 - American Judicial Process **Credit(s): 3**
- CRJ 2030 - Victimology **Credit(s): 3**
- CRJ 2150 - Community and Restorative Justice (L) **Credit(s): 3**
- CRJ 3160 - Juvenile Justice **Credit(s): 3**
- CRJ 3210 - Punishment and Corrections **Credit(s): 3**
- CRJ 3220 - International Criminal Justice **Credit(s): 3**

Issues in Criminal Justice Electives

Choose at least 9 credits of the following, with at least 6 credits at the 3000/4000 level.

- CRJ 2210 - Death Penalty **Credit(s): 3**
- CRJ 2220 - Environmental Justice **Credit(s): 3**
- CRJ 2410 - Race, Class, Gender, and Crime **Credit(s): 3**
- CRJ 3070 - Media and Crime **Credit(s): 3**
- CRJ 3120 - White-Collar Crime **Credit(s): 3**
- CRJ 3130 - Wrongful Convictions **Credit(s): 3**
- CRJ 3250 - Terrorism **Credit(s): 3**
- CRJ 3410 - Peace Making **Credit(s): 3**
- CRJ 4710 - Special Topics in Criminal Justice **Credit(s): Variable**

Professional Development in Criminal Justice Electives

Choose 6 credits from the following.

- CRJ 3145 - Criminal Justice Administration **Credit(s): 3**
- CRJ 3155 - Investigation Sciences **Credit(s): 3**
- CRJ 3165 - GIS Applications in Criminal Justice **Credit(s): 3**
- CRJ 3310 - Applying Restorative Justice Methods **Credit(s): 3**

Criminal Justice (B.S.): Restorative Justice Concentration - L

Minimum required credits for this program: 48-51

Criminal Justice Core (27 Credits)

- SOC 1010 - Introduction to Sociology (L) **Credit(s): 3**
(or PSY 1010)
- CRJ 1010 - Introduction to Criminal Justice (L) **Credit(s): 3**
- CRJ 2050 - Criminology **Credit(s): 3**
- CRJ 2170 - Ethics and Professionalism in Criminal Justice **Credit(s): 3**
- CRJ 2510 - Criminal Law **Credit(s): 3**
(or POS 3170)
- CRJ 3085 - Research Design and Analysis **Credit(s): 3**
- CRJ 4810 - Internship in Criminal Justice (L) **Credit(s): 3-6**
- SSC 4720 - Senior Thesis/Capstone **Credit(s): 3**

Concentration in Restorative Justice (24 Credits)

Criminal Justice System Courses

- CRJ 2030 - Victimology **Credit(s): 3**
- CRJ 2150 - Community and Restorative Justice (L) **Credit(s): 3**
- CRJ 3210 - Punishment and Corrections **Credit(s): 3**

Issues in Criminal Justice Courses

- CRJ 2410 - Race, Class, Gender, and Crime **Credit(s): 3**
- CRJ 3410 - Peace Making **Credit(s): 3**

Take one of the following:

- CRJ 2210 - Death Penalty **Credit(s): 3**
- CRJ 2220 - Environmental Justice **Credit(s): 3**
- CRJ 3070 - Media and Crime **Credit(s): 3**
- CRJ 3120 - White-Collar Crime **Credit(s): 3**
- CRJ 3130 - Wrongful Convictions **Credit(s): 3**
- CRJ 3250 - Terrorism **Credit(s): 3**
- CRJ 4710 - Special Topics in Criminal Justice **Credit(s): Variable**

Professional Development in Criminal Justice Courses

- CRJ 3310 - Applying Restorative Justice Methods **Credit(s): 3**

Take one of the following:

- CRJ 3145 - Criminal Justice Administration **Credit(s): 3**
- CRJ 3155 - Investigation Sciences **Credit(s): 3**
- CRJ 3165 - GIS Applications in Criminal Justice **Credit(s): 3**

Criminal Justice Minor - L

Minimum required credits for the minor: 18

Requirements for the minor

6 Credits

- CRJ 1010 - Introduction to Criminal Justice (L) **Credit(s): 3**
- CRJ 2050 - Criminology **Credit(s): 3**

Electives

Choose 4 courses for a total of 12 credits. At least two courses must be at the 3000 or 4000 level.

- CRJ 2010 - Law Enforcement in America **Credit(s): 3**
- CRJ 2020 - American Judicial Process **Credit(s): 3**
- CRJ 2150 - Community and Restorative Justice (L) **Credit(s): 3**
- CRJ 2160 - Juvenile Justice **Credit(s): 3**
- CRJ 2220 - Environmental Justice **Credit(s): 3**
- CRJ 2510 - Criminal Law **Credit(s): 3**
- CRJ 3120 - White-Collar Crime **Credit(s): 3**
- CRJ 3145 - Criminal Justice Administration **Credit(s): 3**
- CRJ 3155 - Investigation Sciences **Credit(s): 3**
- CRJ 3165 - GIS Applications in Criminal Justice **Credit(s): 3**
- CRJ 3210 - Punishment and Corrections **Credit(s): 3**
- CRJ 3250 - Terrorism **Credit(s): 3**
- CRJ 4710 - Special Topics in Criminal Justice **Credit(s): Variable**
- CRJ 4810 - Internship in Criminal Justice (L) **Credit(s): 3-6**
Only 3 credits of the following may be counted toward the minor:
- HIS 3056 - Race in America **Credit(s): 3**
- PSY 4180 - Exploring Race & Challenging Racism in the US **Credit(s): 3**
- PSY 1130 - Introduction to Substance Abuse **Credit(s): 3**
- PSY 3070 - Abnormal Psychology **Credit(s): 3**

Global Studies (B.A.) - L

Minimum required credits for the program: 39-40

Requirements for the program (foundations and a concentration)

Foundations of Social Science: (21-22 Credits)

Note: SSC 1040, Introduction to the Social Sciences, is recommended for all first year Global Studies majors.

Required:

- SSC 4720 - Senior Thesis/Capstone **Credit(s): 3**

Choose six (6) courses from the following:

- ANT 1030 - Introduction to Anthropology **Credit(s): 3**
Advised Term 1st/2nd Year
- ECO 2060 - Survey of Economics **Credit(s): 4**
Advised Term 1st/2nd Year
- GEO 1010 - Introduction to Geography **Credit(s): 3**
Advised Term 1st/2nd Year
- HIS 1011 - Western Civilization I **Credit(s): 3**
Advised Term 1st/2nd Year
- HIS 1211 - American History I **Credit(s): 3**
Advised Term 1st/2nd Year
- HIS 1212 - American History II **Credit(s): 3**
Advised Term 1st/2nd Year

- POS 1010 - Introduction to Political Science **Credit(s): 3**
Advised Term 1st/2nd Year
- POS 1030 - Comparative Government **Credit(s): 3**
Advised Term 1st/2nd Year
- SOC 1010 - Introduction to Sociology (L) **Credit(s): 3**
Advised Term 1st/2nd Year

Concentration in Global Studies (18 credits)

At least 18 credits of the following, at least nine credits at the 3000/4000 level. No more than six credits of fieldwork courses (ANT-3820, SSC 2020 and SSC-3820) may be counted toward the degree.

- ANT 3010 - Native Societies of America **Credit(s): 3**
- ANT 3030 - Comparative Cultures **Credit(s): 3**
- ANT 3050 - Culture, Ecology, and Health **Credit(s): 3**
- ANT 3060 - Ethnocuisine **Credit(s): 3**
- ANT 3310 - Myth, Magic & Religion **Credit(s): 3**
- ANT 3820 - Anthropology Fieldwork **Credit(s): 1 to 6**
- BUS 3240 - Global Business **Credit(s): 3**
- ENG 2390 - Introduction to World Literature **Credit(s): 3**
- HIS 2240 - Survey of Eurasia **Credit(s): 3**
- RUS 2010 - Mystery of Russian Soul and Culture **Credit(s): 3**
- HIS 3056 - Race in America **Credit(s): 3**
- HIS 3445 - History of Soviet/Russian Cinema and TV **Credit(s): 3**
- HIS 3310 - 18th and 19th Centuries Europe **Credit(s): 3**
- HIS 3330 - Europe since 1914 **Credit(s): 3**
- HIS 3440 - Modern Russia **Credit(s): 3**
- HIS 3530 - Modern East and Southeast Asia **Credit(s): 3**
- HIS 3540 - Modern South Asia **Credit(s): 3**
- HIS 3550 - The Islamic World **Credit(s): 3**
- POS 2040 - International Relations **Credit(s): 3**
- POS 3430 - Government and Politics in Russia and Post-Soviet States **Credit(s): 3**
- PSY 3090 - Lifespan Across Cultures **Credit(s): 3**
- SOC 2420 - Sociology of Globalization **Credit(s): 3**
- SOC 3050 - Gender and Society **Credit(s): 3**
- SSC 2020 - Experience the World **Credit(s): 1**
- SSC 3820 - Global Studies Fieldwork **Credit(s): 1 to 6**

Concentration in History (18 credits)

At least 18 credits of the following, at least 12 credits at the 3000/4000 level

- HIS 2240 - Survey of Eurasia **Credit(s): 3**
- RUS 2010 - Mystery of Russian Soul and Culture **Credit(s): 3**
- HIS 2710 - Special Topics in History **Credit(s): Variable**
- HIS 2910 - Independent Study in History **Credit(s): 1-12 (Johnson); 1-3 (Lyndon)**
- HIS 3056 - Race in America **Credit(s): 3**
- HIS 3155 - Sports in American History **Credit(s): 3**

- HIS 3165 - Vermont History **Credit(s): 3**
- HIS 3445 - History of Soviet/Russian Cinema and TV **Credit(s): 3**
- HIS 3310 - 18th and 19th Centuries Europe **Credit(s): 3**
- HIS 3330 - Europe since 1914 **Credit(s): 3**
- HIS 3440 - Modern Russia **Credit(s): 3**
- HIS 3530 - Modern East and Southeast Asia **Credit(s): 3**
- HIS 3540 - Modern South Asia **Credit(s): 3**
- HIS 3550 - The Islamic World **Credit(s): 3**
- HIS 4710 - Special Topics in History **Credit(s): Variable**
- HIS 4810 - Internship in History **Credit(s): 1-12 (Johnson); 1-6 (Lyndon)**
- HIS 4910 - Independent Study in History **Credit(s): 1-12 (Johnson); 1-3 (Lyndon)**

Concentration in Anthropology/Sociology (18 Credits)

At least 18 credits of the following, at least 12 credits at the 3000/4000 level.

Select 15 credits from the following:

- ANT 3010 - Native Societies of America **Credit(s): 3**
- ANT 3030 - Comparative Cultures **Credit(s): 3**
- ANT 3050 - Culture, Ecology, and Health **Credit(s): 3**
- ANT 3060 - Ethnocuisine **Credit(s): 3**
- ANT 3070 - Ecotourism **Credit(s): 3**
- ANT 3310 - Myth, Magic & Religion **Credit(s): 3**
- ANT 3820 - Anthropology Fieldwork **Credit(s): 1 to 6**
- ANT 4710 - Special Topics in Anthropology **Credit(s): Variable**
- SOC 2420 - Sociology of Globalization **Credit(s): 3**
- SOC 2710 - Special Topics in Sociology **Credit(s): Variable**
- SOC 3050 - Gender and Society **Credit(s): 3**
- SOC 4810 - Internship in Sociology **Credit(s): 1 to 6**

Note: No more than 6 credits of internship/trip courses may be used toward the concentration.

Select one course from the following:

- PSY 3090 - Lifespan Across Cultures **Credit(s): 3**
- BUS 3240 - Global Business **Credit(s): 3**
- CRJ 2050 - Criminology **Credit(s): 3**
- CRJ 3220 - International Criminal Justice **Credit(s): 3**
- HIS 3550 - The Islamic World **Credit(s): 3**
- HIS 3440 - Modern Russia **Credit(s): 3**
- HIS 3530 - Modern East and Southeast Asia **Credit(s): 3**
- HIS 2240 - Survey of Eurasia **Credit(s): 3**

Academic and Fieldwork Opportunities

Social Science majors may elect to make independent arrangements to study abroad with faculty approval. Internships undertaken through Cooperative Education enable students to gain firsthand experience in areas related to their major and interests. Students have acted as legislative aides in government, worked in museums, law offices, correctional facilities, and have been involved with social-service delivery programs and with municipal government research projects.

In addition, the department offers a number of opportunities for students to experience the culture of a foreign country by traveling to that country and visiting historic and cultural sites, cultural events, and interacting with the people and culture. The department also offers ANT 3820 Anthropology Fieldwork and SSC 3820 Global Studies Fieldwork. Only two fieldwork/trip courses will count towards the advanced area studies credits in either major.

History (B.A.) - L

Minimum required credits for the program: 42

Foundations of History (12 Credits)

- HIS 1111 - World History I **Credit(s): 3**
- HIS 1112 - World History II **Credit(s): 3**
- HIS 1211 - American History I **Credit(s): 3**
- HIS 1212 - American History II **Credit(s): 3**

Capstone in History (6 Credits)

- HIS 4730 - Seminar in Historical Communication **Credit(s): 3**
- One of the following:**
- HIS 4740 - Seminar in Historical Investigation **Credit(s): 3**
 - HIS 4810 - Internship in History **Credit(s): 1-12 (Johnson); 1-6 (Lyndon)**

Electives in History (24 Credits)

Take at least 21 credits designated HIS, with 18 credits in the 3000/4000 level; 3 credits may be non-HIS designated from the following list of courses: any POS, RUS 2010, INT 3210, HUM 3110, HUM 3125, HUM 3150, HUM 3160.

History Minor - L

Minimum required credits for the minor: 18

Requirements for the minor

Foundations of History (9 Credits)

Choose three of the following:

- HIS 1111 - World History I **Credit(s): 3**
- HIS 1112 - World History II **Credit(s): 3**
- HIS 1211 - American History I **Credit(s): 3**
- HIS 1212 - American History II **Credit(s): 3**

Electives: (9 Credits)

Three additional courses in history at the 3000/4000 level

Pre-Law Minor - L

Total Credits: 18

Required Courses (9 Credits)

- CRJ 2020 - American Judicial Process **Credit(s): 3**
- PHI 1060 - Logic and Creative Thinking **Credit(s): 3**
- POS 1020 - American Politics and Government **Credit(s): 3**

Electives (9 Credits)

Choose 3 elective courses for 9 credits from the following:

Note: at least one course must be a law course (BUS 2450, CRJ 2510, POS 3170, or SPL 4020), and at least 3 credits must be taken at the 3000 or 4000 level.

- BUS 3240 - Global Business **Credit(s): 3**
- CRJ 2510 - Criminal Law **Credit(s): 3**
- ENG 2250 - Critical Approaches **Credit(s): 3**
- ENG 3010 - Advanced Composition and Rhetoric **Credit(s): 3**
- HIS 1212 - American History II **Credit(s): 3**
- HIS 3330 - Europe since 1914 **Credit(s): 3**
- MBI 3210 - Music Publishing **Credit(s): 3**
- PHI 1050 - Ethical Practice **Credit(s): 3**
- POS 1030 - Comparative Government **Credit(s): 3**
- POS 3060 - Vermont Politics **Credit(s): 3**
- POS 3170 - U.S. Constitutional Law **Credit(s): 3**
- SPL 4020 - Sport Law **Credit(s): 3**

Race and Gender Minor - L

Total Credits Required for Minor: 21

Required Courses (12 Credits)

- HIS 3056 - Race in America **Credit(s): 3**
- PSY 4180 - Exploring Race & Challenging Racism in the US **Credit(s): 3**
- SOC 1010 - Introduction to Sociology (L) **Credit(s): 3**
- SOC 3050 - Gender and Society **Credit(s): 3**

Electives (9 Credits)

Choose 3 courses for a total of 9 credits. At least 3 credits must be at the 3000 level.

- ANT 1030 - Introduction to Anthropology **Credit(s): 3**
- ANT 3010 - Native Societies of America **Credit(s): 3**
- ANT 3030 - Comparative Cultures **Credit(s): 3**
- CRJ 2410 - Race, Class, Gender, and Crime **Credit(s): 3**
- HIS 3550 - The Islamic World **Credit(s): 3**

Restorative Justice Minor - L

Minimum credits required for the minor: 21

Required Courses (12 Credits)

- CRJ 2150 - Community and Restorative Justice (L) **Credit(s): 3**
- CRJ 3210 - Punishment and Corrections **Credit(s): 3**
- CRJ 3310 - Applying Restorative Justice Methods **Credit(s): 3**
- CRJ 3410 - Peace Making **Credit(s): 3**

Electives (9 Credits)

Select 3 additional CRJ courses.

Russian and Eurasian Studies Minor - L

Minimum required credits for minor: 18

Russian Language Study

Minimum 3 credits required in Russian language earned through coursework or course challenge

- RUS 1011 - Russian I **Credit(s): 3**
- RUS 1012 - Russian II **Credit(s): 3**

Russian and Eurasian Studies Courses

12-15 credits required from courses with Russian and Eurasian studies content. At least nine (9) credits must be earned at the 3000-4000 levels.

- FLL 1010 - Immersion Experience **Credit(s): .5 to 6**
- FLL 2710 - Special Topics in Foreign Language **Credit(s): Variable**
- FLL 2810 - Co-op in Foreign Language **Credit(s): 1 to 6**
- FLL 2910 - Independent Study in Foreign Language **Credit(s): 3**
- GEO 2910 - Independent Study in Geography **Credit(s): 1 to 3**
- HIS 2240 - Survey of Eurasia **Credit(s): 3**
- RUS 2010 - Mystery of Russian Soul and Culture **Credit(s): 3**
- HIS 3440 - Modern Russia **Credit(s): 3**
- HIS 3445 - History of Soviet/Russian Cinema and TV **Credit(s): 3**

- HIS 3330 - Europe since 1914 **Credit(s): 3**
OR
- HIS 3550 - The Islamic World **Credit(s): 3**
- HIS 4710 - Special Topics in History **Credit(s): Variable**
- POS 3430 - Government and Politics in Russia and Post-Soviet States **Credit(s): 3**
- POS 4710 - Topics in Political Science **Credit(s): Variable**
- SSC 3820 - Global Studies Fieldwork **Credit(s): 1 to 6**
SSC 3820 Global Studies Fieldwork must be associated with an educational trip or experiences of work in Russian Federation and/or other Post-Soviet states or selected courses with the approval of the Social Science department. No more than six (6) credits may be counted toward the minor.
- SSC 2020 - Experience the World **Credit(s): 1**
SSC 2020, Experience the World, must be associated with an educational trip or experiences of work in Russian Federation and/or other Post-Soviet states or selected courses with the approval of the Social Science department.

Education - Johnson

Faculty/Staff

Kathleen Brinegar, *Associate Professor*

Audrey Hoffman, *Assistant Professor, Applied Behavioral Analysis Program Director*

Kathleen Light, *Placement Coordinator*

Steven Light, *Unified Arts Program Advisor*

David McGough, *Professor, Interim Middle/Secondary Education and Foundations Program Director*

Hannah Miller, *Assistant Professor, Childhood Education Program Co-Director*

Rebecca Pastor, *Licensure Office Coordinator*

Robert Schulze, *Assistant Professor, Department Chair, Childhood Education Program Co-Director, Licensure Officer*

Staff Assistant: Vicky Sanborn

The Northern Vermont University-Johnson Department of Education has a long and celebrated history of preparing teachers and providing advance study for working professionals. Our professors have the theoretical and practical background to help students become outstanding teachers and influential leaders in their field.

Working as a teacher in a public school in Vermont requires a Level I Professional Educator's License with an endorsement in a specific discipline at a designated level. The license is issued by the Vermont Agency of Education to candidates who successfully complete a Teacher Education Program and are recommended by their institution. Educators' licenses issued in Vermont are accepted by more than 40 other states, districts and territories through association with the National Association of State Directors of Teacher Education & Certification.

The NVU-Johnson Department of Education offers several Teacher Education Programs at the undergraduate and graduate levels. The undergraduate programs are:

- Childhood Education (B.A.), which provides licensure endorsement in both K-6 elementary education and K-8 special education. All Childhood Education majors complete a liberal arts and sciences endorsement concentration.

- Secondary Teacher Licensure Endorsement, which prepares graduates to teach **English, mathematics, science** or **social studies** in grades 7-12. Students must earn an accompanying bachelor's degree in their area of endorsement.
- Unified Arts Teacher Licensure Endorsement, which prepares graduates to teach **art, dance, music, physical education** or **theater arts** in grades PreK-12. Students must earn an accompanying bachelor's degree in their area of endorsement.

Note: Acceptance into a Teacher Education Program at NVU-Johnson requires a separate application. Being accepted by NVU, declaring a major or beginning a program of study does NOT constitute admission or acceptance into a Teacher Education Program.

Accreditation

All Teacher Education Programs at NVU-Johnson are accredited by the Vermont Standards Board of Professional Educators. The accreditation process assures that candidates who are recommended for licensure meet all state standards for the license and the endorsement.

Theoretical Framework & Learning Pursuits

Applying to a Teacher Education Program at JSC

Advancing through a Teacher Education Program at JSC

Programs

Majors & Concentrations

- Childhood Education (B.A.); with endorsement in Elementary & Special Education

Teaching Licensure Programs

- Secondary Teacher License Endorsement
- Unified Arts Teacher License Endorsement

The Northern Vermont University-Johnson Department of Education offers courses with an EDU designator. See full Course Descriptions. The department also offers an M.A. in Education; refer to the NVU Graduate Catalog for information.

Childhood Education (B.A.); with endorsement in Elementary & Special Education - J

The B.A. in Childhood Education at Northern Vermont University-Johnson prepares students to become teachers licensed in both Elementary Education (K-6) and Special Education (K-8). With careful planning, a full-time student can complete the degree and earn both licensure endorsements in just four years. Graduates who successfully complete the degree become candidates for a Level I Professional Educator's License issued by the Vermont Agency of Education. This license is required in order to work as a public school teacher in Vermont; it also is recognized and accepted by more than 40 other states, districts and territories.

Through courses and practicum experiences, students learn the theories, research, standards and practices that provide a solid foundation for educators who are passionate about teaching, inclusive and progressive in their practices, modern and up to date in their techniques, and committed to social equity and the delivery of education to diverse learners. Careful attention is given to the growth of children as individuals whose perceptions, interests, joys, strengths and challenges are formed within a community and through meaningful engagement with others.

Students who intend to teach in grades K-6 must declare Childhood Education as their academic major and apply to NVU-Johnson's **Teacher Education Program in Inclusive Elementary Education** after completing their first education course. *Important:* Declaring a major in Childhood Education is not the same as being accepted into this Teacher Education Program; see Applying to a Teacher Education Program at NVU-Johnson below.

Most courses must be taken in a specific order; students should check advisement forms, program evaluations and prerequisites for details. Students must earn a B- or better in all courses with an EDU designator.

Theoretical Framework & Learning Pursuits

Applying to a Teacher Education Program at NVU-Johnson

Advancing through a Teacher Education Program at NVU-Johnson

Required Education Courses (63 credits)

- EDU 2360 - Perspectives on Learning in a Diverse Society **Credit(s): 3**
 - EDU 2365 - The Ecology of Human Experience: Development, Culture & Identity **Credit(s): 3**
 - EDU 2370 - The Contemporary School **Credit(s): 3**
 - EDU 3460 - Literature & Media for Children & Youth **Credit(s): 3**
 - EDU 3265 - Instructional Dynamics for the Elementary Educator - Curriculum, Instruction & Assessment for Integrated, Engaging & Creative Lessons; Part I: Language, Literacy, & Literature for Diverse Learners **Credit(s): 3**
 - EDU 3266 - Instructional Dynamics for the Elementary Educator - Curriculum, Instruction & Assessment for Integrated, Engaging & Creative Lessons; Part II: Numeracy & Quantitative Reasoning for Diverse Learners **Credit(s): 3**
 - EDU 3311 - Foundations of Inclusive Practices **Credit(s): 3**
 - EDU 3440 - Teaching Toward Democracy **Credit(s): 3**
 - EDU 3100 - Literacy Intervention, Assessment & Strategies **Credit(s): 3**
 - EDU 3025 - Evaluating Characteristics of Diverse Learners **Credit(s): 3**
 - EDU 4630 - Integrated Elementary Methods Practicum: Intention, Knowledge & Presence **Credit(s): 6**
 - EDU 3125 - Technology for Integrating Instruction **Credit(s): 3**
 - EDU 4640 - Special Education Practices & Procedures **Credit(s): 6**
 - EDU 4820 - Elementary Student Teaching **Credit(s): 12**
 - EDU 4051 - Strategies to Promote Inclusive Practices **Credit(s): 3**
 - EDU 4650 - Capstone & Thesis Seminar **Credit(s): 3**
- AND
- EDU TEW1 - Teacher Education Workshop 1: Introduction to Teacher Education **Credit(s): 0**
 - EDU TEW2 - Teacher Education Workshop 2: Application for Practicum I **Credit(s): 0**
 - EDU TEW3 - Teacher Education Workshop 3: Application for Practicum II **Credit(s): 0**
 - EDU TEW4 - Teacher Education Workshop 4: Application for student teaching **Credit(s): 0**
 - EDU TEW5 - Teacher Education Workshop 5: Application for a Verification Check **Credit(s): 0**

Required Elementary Education Liberal Arts & Sciences Concentration (30-31 credits)

In addition to the Education courses listed above, all Childhood Education majors must complete the Elementary Education Liberal Arts & Sciences Concentration. This concentration is divided into two areas: Quantitative & Causative Studies (9-10

credits) and Humanities & Cultural Studies (21 credits). Students must earn a cumulative GPA of 3.0 in this concentration to be eligible for a Level 1 Professional Educator's License.

Quantitative & Causative Studies (9-10 credits)

Earth Science (choose 1 course)

- ENV 1050 - Introduction to Earth Science **Credit(s): 4**
- ENV 1040 - Introduction to Oceanography **Credit(s): 3**
- ENV 1090 - Introduction to Weather, Climate & Climate Change **Credit(s): 3**
- PHY 2031 - Fundamental Physics I **Credit(s): 4**

Geometric Design

- MAT 3040 - Geometrical Reasoning **Credit(s): 3**

Engineering Science

- EDU 3445 - Applied Mechanics I **Credit(s): 3**

Humanities & Cultural Studies (21 credits)

U.S. History (choose 1 course)

- HIS 1211 - American History I **Credit(s): 3**
- HIS 1212 - American History II **Credit(s): 3**
- HIS 2210 - Women in U.S. History **Credit(s): 3**
- HIS 3080 - Colonial America: History & Life **Credit(s): 3**
- HIS 3141 - History of the United States in the 20th Century I **Credit(s): 3**
- HIS 3142 - History of the United States in the 20th Century II **Credit(s): 3**

World History (choose 1 course)

- HIS 1111 - World History I **Credit(s): 3**
- HIS 1112 - World History II **Credit(s): 3**

Literature

- ENG 1310 - Introduction to Literature (J) **Credit(s): 3**

Civics (choose 1 course)

- POS 1010 - Introduction to Political Science **Credit(s): 3**
- POS 1020 - American Politics and Government **Credit(s): 3**
- POS 1030 - Comparative Government **Credit(s): 3**

Culture, Geography & Economics

- EDU 3425 - GeoCultural Studies **Credit(s): 3**

Visual Art (choose 1 course)

- ART 1011 - Drawing I (J) **Credit(s): 3**
- ART 2110 - Introduction to Digital Media **Credit(s): 3**
- ART 2211 - Painting I (J) **Credit(s): 3**
- ART 2301 - Photography I (J) **Credit(s): 3**

Performance Art (choose 1 course)

- DAN 1010 - Fundamentals of Dance **Credit(s): 3**
- DAN 2010 - Folk Dance **Credit(s): 3**
- DAN 3010 - The Renaissance Spirit **Credit(s): 3**
- DAN 3180 - Folk Dance II **Credit(s): 3**
- DAN 3210 - The Emperor Ain't Naked: A History of Western European Fashion & Social Dance from the Mid-14th Century to the Early 20th Century **Credit(s): 3**
- MUS 1030 - Music Fundamentals **Credit(s): 3**
- THA 1041 - Introduction to Theater Arts (J) **Credit(s): 3**

Total: 93-94 credits

A Note About General Education Requirements

All undergraduates must complete the NVU General Education Core Curriculum. Students who thoughtfully select courses for the Elementary Education Liberal Arts & Sciences Concentration will be able to meet the "Integrative Perspectives" component of the General Education Curriculum without taking additional courses. In addition, Childhood Education majors are encouraged to take the following courses to meet the "Foundational Skills" component of the General Education Curriculum in order to avoid the need to take additional courses later in their program.

Written Expression (6 credits)

- ENG 1071 - College Writing **Credit(s): 3** * OR
for EDP/DL students: ENG-1061, English Composition* (3 credits; shared course in VSC)
- ENG 1072 - Exposition & Analysis **Credit(s): 3**
**Students who are not required to take ENG 1071 or ENG-1061 due to placement scores may complete the following to meet these requirements:*
Campus-based students may substitute ENG 3999 - Writing Proficiency Exam or ENG 2005 - The Self-Sufficient Writer; **Distance Learning students** may substitute EDP-3999, the Challenge Exam.

Mathematics

- MAT 1080 - Introduction to Quantitative Reasoning **Credit(s): 3**

Natural Science with Lab

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* meet all other Degree Requirements, including the General Education Core Curriculum and NVU Graduation Standards.

Secondary Teacher License Endorsement - J

NVU-Johnson offers Secondary Teacher Education Programs that prepare students to teach in their area of endorsement -- **English, mathematics, science or social studies** -- to students in grades 7-12. Graduates who successfully complete one of these programs become candidates for a Level I Professional Educator's License issued by the Vermont Agency of Education. This license is required in order to work as a public school teacher in Vermont; it also is recognized and accepted by more than 40 other states, districts and territories.

All students seeking Secondary Teacher Licensure Endorsement must:

- Successfully complete all Required Teacher Education Core Courses;
- Successfully complete the Required Secondary Education Core Courses ;
- Select one of the four Secondary Education Endorsement Areas and successfully complete an approved major for that endorsement -- including all requirements for the bachelor's degree and the General Education and Graduation Requirements -- with a cumulative 3.0 GPA or better and a 3.0 GPA in the major; and
- Successfully complete the Required Content-Area Courses for their chosen area of endorsement.

With careful planning, these requirements can be met for most programs within a four-year plan of study. Most courses must be taken in a specific order; students should check advisement forms, program evaluations and prerequisites for details. Students must earn a B- or better in all courses marked with an asterisk (*). Each Teacher Education Workshop (TEW) is graded as Pass/No Pass.

Theoretical Framework & Learning Pursuits

Applying to a Teacher Education Program at NVU-Johnson

Advancing through a Teacher Education Program at NVU-Johnson

1. Required Teacher Education Core Courses (18 credits)

- EDU TEW1 - Teacher Education Workshop 1: Introduction to Teacher Education **Credit(s): 0**
- EDU TEW2 - Teacher Education Workshop 2: Application for Practicum I **Credit(s): 0**
- EDU TEW3 - Teacher Education Workshop 3: Application for Practicum II **Credit(s): 0**
- EDU TEW4 - Teacher Education Workshop 4: Application for student teaching **Credit(s): 0**
- EDU TEW5 - Teacher Education Workshop 5: Application for a Verification Check **Credit(s): 0**
- EDU 2360 - Perspectives on Learning in a Diverse Society **Credit(s): 3 ***
- EDU 2365 - The Ecology of Human Experience: Development, Culture & Identity **Credit(s): 3 ***
- EDU 2370 - The Contemporary School **Credit(s): 3 ***
- EDU 3311 - Foundations of Inclusive Practices **Credit(s): 3 ***
- EDU 3440 - Teaching Toward Democracy **Credit(s): 3 ***
- EDU 4650 - Capstone & Thesis Seminar **Credit(s): 3 ***

2. Required Secondary Education Core Courses

- EDU 3140 - Partnering with the Adolescent Learner to Promote Student Engagement **Credit(s): 4**
- EDU 3360 - Promoting Inventive Thinking: Integrating Multimodal Literacy Across the Curriculum **Credit(s): 3**
- EDU 4130 - Implementing Content Specific Methods in a Secondary Classroom **Credit(s): 4**
- EDU 4850 - Secondary Education Student Teaching **Credit(s): 12**

3. Required Major for Endorsement Area

In addition to the preceding courses, students must successfully complete all Required Content-Area Courses **AND** a bachelor's degree in a major approved for their area of endorsement, as specified below.

Area of Endorsement	Approved Major(s)
English Education See Required Content-Area Courses for this endorsement below (Section 4).	Creative Writing (B.F.A.) - J or English (B.A.) - L
Mathematics Education See Required Content-Area Courses for this endorsement below (Section 4).	Mathematics (B.S.) - J
Science Education See Required Content-Area Courses for this endorsement below (Section 4).	Biology: Field Naturalist (B.A.) - J, Biology (B.S.): General Biology concentration - J, Biology (B.S.): Pre-Medical concentration - J, Health Sciences (B.S.): Pre-Professional Health Studies - J, Health Sciences (B.S.): Physical Education concentration - J, Health Sciences (B.S.): Health & Wellness Coaching Concentration - J, Environmental Science (B.S.): Environmental Analysis & Assessment concentration - J, or Environmental Science (B.S.): Environmental Policy & Advocacy concentration - J
Social Studies Education See Required Content-Area Courses for this endorsement below (Section 4).	History (B.A.) - J or Political Science (B.A.) - J, O

4. Required Content Courses for Area of Endorsement

In addition to successfully completing an approved *major or 30-credit concentration* for their area of endorsement, students must take the *content-area courses* required for their area of endorsement. Some of these courses may meet requirements for the major as well. With the approval of the Secondary Education Program Director, appropriate course substitutions may be permitted.

English Education: Required Content-Area Courses

- EDU 3032 - Language, Culture, Literature, & Education **Credit(s): 3**
- EDU 3100 - Literacy Intervention, Assessment & Strategies **Credit(s): 3**
- ENG 1310 - Introduction to Literature (J) **Credit(s): 3**
- ENG 3435 - Practical Grammar **Credit(s): 3**
- ENG 3565 - Shakespeare **Credit(s): 3**

- ENG 4150 - Literary Criticism & Theory **Credit(s): 3**

Take 3 of the following courses:

- ENG 2172 - World Literature II **Credit(s): 3**
- ENG 2171 - World Literature I **Credit(s): 3**
- ENG 2281 - Survey of English Literature I **Credit(s): 3**
- ENG 2282 - Survey of English Literature II **Credit(s): 3**
- ENG 2321 - Survey of American Literature I **Credit(s): 3**
- ENG 2322 - Survey of American Literature II **Credit(s): 3**
- ENG 2510 - Women & Literature **Credit(s): 3**

Take 1 of the following courses:

- ENG 2101 - Creative Writing **Credit(s): 3**
- ENG 3120 - Poetry Workshop **Credit(s): 3**
- ENG 3130 - Fiction Workshop **Credit(s): 3**
- ENG 4110 - The Form & Theory of Fiction **Credit(s): 3**
- ENG 4120 - The Form & Theory of Poetry **Credit(s): 3**

Take 1 of the following courses:

- ENG 3140 - The Creative Essay **Credit(s): 3**
- ENG 4130 - The Form & Theory of Nonfiction **Credit(s): 3**

Take 2 of the following literature courses:

- ENG 3270 - Myth & Myth Making **Credit(s): 3**
- ENG 3320 - The English Novel **Credit(s): 3**
- ENG 3345 - Contemporary Canadian Literature **Credit(s): 3**
- ENG 3380 - British Romantic Literature **Credit(s): 3**
- ENG 3390 - Literature of the Grotesque **Credit(s): 3**
- ENG 3395 - Satire in Literature **Credit(s): 3**
- ENG 3435 - Practical Grammar **Credit(s): 3**
- ENG 3480 - Modern Literature **Credit(s): 3**
- ENG 3510 - Contemporary Literature **Credit(s): 3**
- ENG 3520 - American Poetry **Credit(s): 3**
- ENG 3525 - Victorian Literature **Credit(s): 3**
- ENG 3530 - The American Novel **Credit(s): 3**
- ENG 3565 - Shakespeare **Credit(s): 3**
- ENG 3580 - African American Literature **Credit(s): 3**
- ENG 4720 - Seminar in Literature **Credit(s): 3**

Mathematics Education: Required Content-Area Courses

In addition to successfully completing Mathematics (B.S.) - J, students must take the following content-area courses. Some of these courses may meet requirements for the major as well. With the approval of the Secondary Education Program Director, appropriate course substitutions may be permitted.

- INT 3150 - Gödel, Escher, Bach: An Eternal Golden Braid **Credit(s): 3** (A required course for the math major)
- MAT 1531 - Calculus I **Credit(s): 4**
- MAT 2020 - Mathematical Reasoning **Credit(s): 3**
- MAT 2021 - Statistics **Credit(s): 3**
- MAT 2532 - Calculus II **Credit(s): 4**
- MAT 3533 - Calculus III **Credit(s): 4** (An elective in the math major)
- MAT 3040 - Geometrical Reasoning **Credit(s): 3**
- MAT 3210 - Linear Algebra **Credit(s): 3**
- MAT 3240 - Probability Theory with Statistics **Credit(s): 3**
- MAT 3310 - Differential Equations **Credit(s): 3** (An elective in the math major)
- MAT 4130 - Abstract Algebra **Credit(s): 3**
- MAT 4140 - Geometry **Credit(s): 3**
- MAT 4930 - Senior Project in Mathematics **Credit(s): 3** (A capstone requirement for the math major)

Science Education: Required Content-Area Courses

In addition to successfully completing one of the approved majors for this endorsement (the Creative Writing (B.F.A.) - J, Biology: Field Naturalist (B.A.) - J, Biology (B.S.): General Biology concentration - J, Biology (B.S.): Pre-Medical concentration - J, Health Sciences (B.S.): Pre-Professional Health Studies - J, Health Sciences (B.S.): Physical Education concentration - J, Health Sciences (B.S.): Health & Wellness Coaching Concentration - J, Environmental Science (B.S.): Environmental Analysis & Assessment concentration - J or Environmental Science (B.S.): Environmental Policy & Advocacy concentration - J, students must take the following content-area courses. Some of these courses may meet requirements for the major as well. With the approval of the Secondary Education Program Director, appropriate course substitutions may be permitted.

- CHE 1031 - General Chemistry I **Credit(s): 4**
- ENV 1050 - Introduction to Earth Science **Credit(s): 4**
- PHY 2031 - Fundamental Physics I **Credit(s): 4**

Take 1 of the following courses:

- BIO 1210 - Introduction to Biology **Credit(s): 4**
- BIO 1211 - Introduction to Biology: Ecology and Evolution **Credit(s): 4**
- BIO 1212 - Introduction to Biology: Cells and Genetic Basis **Credit(s): 4**

Take 1 of the following courses:

- BIO 1211 - Introduction to Biology: Ecology and Evolution **Credit(s): 4**
- BIO 2340 - Fundamentals of Ecology **Credit(s): 4**
- BIO 3260 - Limnology **Credit(s): 4**
- ENV 3130 - Environmental Geology **Credit(s): 4**

Social Studies Education: Required Content-Area Courses

In addition to successfully completing either the History (B.A.) - J or the Political Science (B.A.) - J, O, students must take the following content-area courses. Some of these courses may meet requirements for the major as well. With the approval of the Secondary Education Program Director, appropriate course substitutions may be permitted.

- HIS 1111 - World History I **Credit(s): 3**
- HIS 1112 - World History II **Credit(s): 3**
- HIS 1211 - American History I **Credit(s): 3**
- HIS 1212 - American History II **Credit(s): 3**

Take 1 of the following courses:

- POS 1010 - Introduction to Political Science **Credit(s): 3**
- POS 1020 - American Politics and Government **Credit(s): 3**

Take 2 of the following courses:

- ANT 1010 - Introduction to Cultural Anthropology **Credit(s): 3**
- GEO 1010 - Introduction to Geography **Credit(s): 3**
- HUM 3125 - Religions of the World **Credit(s): 3**
- POS 1030 - Comparative Government **Credit(s): 3**
- POS 2040 - International Relations **Credit(s): 3**

Take 2 of the following courses:

- HIS 3420 - French Revolution **Credit(s): 3**
- INT 3210 - The Holocaust: An Interdisciplinary Approach **Credit(s): 3**
- POS 1040 - African-American History & Politics **Credit(s): 3**
- POS 3040 - The Politics of Gender **Credit(s): 3**
- POS 3070 - Terrorism, Religion & the Nation-State **Credit(s): 3**
- POS 3220 - Genocide: Inhumanity Across the Ages **Credit(s): 3**

Take 1 of the following courses:

- ECO 2060 - Survey of Economics **Credit(s): 4**
- POS 2050 - International Economics & Politics **Credit(s): 3**

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* meet all other Degree Requirements, including the General Education Core Curriculum and NVU Graduation Standards.

Unified Arts Teacher License Endorsement - J

Northern Vermont University-Johnson offers Unified Arts Teacher Education Programs that prepare students to teach in their area of endorsement -- **art, dance, music, or theater arts** -- to students in grades PreK-12. Graduates who successfully complete one of these programs become candidates for a Level I Professional Educator's License issued by the Vermont Agency of

Education. This license is required in order to work as a public school teacher in Vermont; it also is recognized and accepted by more than 40 other states, districts and territories.

All students seeking Unified Arts teaching licensure must:

- Successfully complete all Required Teacher Education Core Courses;
- Successfully complete the Required Unified Arts Education Core Courses;
- Select one of the five Unified Arts Endorsement Areas and successfully complete an approved major for that endorsement -- including all requirements for the bachelor's degree and the General Education and Graduation Requirements -- with a cumulative 3.0 GPA or better and a 3.0 GPA in the major; and
- Successfully complete the Required Content-Area Courses for their chosen area of endorsement.

With careful planning, these requirements can be met for most programs within a four-year plan of study. Most courses must be taken in a specific order; students should check advisement forms, program evaluations and prerequisites for details. Students must earn a B- or better in all courses marked with an asterisk (*). Each Teacher Education Workshop (TEW) is graded as Pass/No Pass.

Theoretical Framework & Learning Pursuits

Applying to a Teacher Education Program at NVU-Johnson

Advancing through a Teacher Education Program at NVU-Johnson

1. Required Teacher Education Core Courses

- EDU TEW1 - Teacher Education Workshop 1: Introduction to Teacher Education **Credit(s): 0**
- EDU TEW2 - Teacher Education Workshop 2: Application for Practicum I **Credit(s): 0**
- EDU TEW3 - Teacher Education Workshop 3: Application for Practicum II **Credit(s): 0**
- EDU TEW4 - Teacher Education Workshop 4: Application for student teaching **Credit(s): 0**
- EDU TEW5 - Teacher Education Workshop 5: Application for a Verification Check **Credit(s): 0**
- EDU 2360 - Perspectives on Learning in a Diverse Society **Credit(s): 3 *** (not required for Music Education majors)
- EDU 2365 - The Ecology of Human Experience: Development, Culture & Identity **Credit(s): 3 ***
- EDU 2370 - The Contemporary School **Credit(s): 3 ***
- EDU 3311 - Foundations of Inclusive Practices **Credit(s): 3 ***
- EDU 3440 - Teaching Toward Democracy **Credit(s): 3 ***
- EDU 4650 - Capstone & Thesis Seminar **Credit(s): 3 ***

Total: 18 credits

2. Required Unified Arts Core Courses

- EDU 3112 - Instructional Dynamics for the Elementary Educator: Curriculum, Instruction & Assessment for Integrated, Engaging & Creative Learners; Part III: Unified Arts for Diverse Learners **Credit(s): 3**
- EDU 4310 - The Art of Experience in Education: Designing for Engagement & Accomplishment through the Unified Arts **Credit(s): 3**

3. Required Major for Unified Arts Endorsement Area

In addition to the preceding courses, students must successfully complete all Required Content-Area Courses **AND** a bachelor's degree in a major approved for their area of endorsement, as specified below.

Area of Endorsement	Approved Major(s)
Art Education	Art (B.A.) - J or Studio Arts (B.F.A.) - J
Dance Education	<i>Major arranged in consultation with the Unified Arts Education Coordinator</i>
Music Education	B.M.E. in Music Education
Theater Arts Education	Theater & Drama (B.A.) - J

4. Required Content Courses for Endorsement Area

In addition to successfully completing an approved *major* for their area of endorsement, students must take the *content-area courses* required for their area of endorsement. Some of these courses may meet requirements for the major as well. With the approval of the Unified Arts Program Director, appropriate course substitutions may be permitted.

Art Education: Required Content-Area Courses

In addition to successfully completing either the Art (B.A.) - J or the Studio Arts (B.F.A.) - J, students must take the following content-area courses. Some of these courses may meet requirements for the major as well. With the approval of the Unified Arts Education Program Director, appropriate course substitutions may be permitted.

- ARH 2010 - Survey of Western Traditions in Art **Credit(s): 3**
- ARH 2060 - Survey of Non-Western Traditions in Art **Credit(s): 3**
- ART 1011 - Drawing I (J) **Credit(s): 3**
- ART 1140 - Design I **Credit(s): 3**
- ART 2110 - Introduction to Digital Media **Credit(s): 3**
- ART 2211 - Painting I (J) **Credit(s): 3**
- ART 2251 - Sculpture I (J) **Credit(s): 3**
- ART 3032 - Advanced Drawing **Credit(s): 3**
- EDU 4812 - Unified Arts Student Teaching **Credit(s): 12**

Additional requirement for B.A. in Art majors:

- ARH 4720 - Seminar in Contemporary Art Issues **Credit(s): 3**

Additional requirement for B.F.A. in Studio Arts majors:

- ART 4730 - B.F.A. Seminar **Credit(s): 3**

Dance Education: Required Content-Area Courses

Students seeking this endorsement consult with the Unified Arts Education Program Director to select an appropriate major. They also must take the following content-area courses, some of which may meet requirements for the major as well. With the approval of the Unified Arts Education Program Director, appropriate course substitutions may be permitted.

- DAN 1010 - Fundamentals of Dance **Credit(s): 3**
- DAN 2040 - Beginning Tap Dance **Credit(s): 2**
- DAN 3020 - Intermediate Ballet: Technique & History **Credit(s): 3**
- DAN 3030 - Improvisation/Composition: Intermediate/Advanced Level **Credit(s): 4**
- DAN 3032 - Body Awareness II **Credit(s): 3**
- DAN 3112 - Intermediate Modern Dance: Technique & History **Credit(s): 3**
- DAN 3130 - Jazz Dance **Credit(s): 3**
- DAN 3180 - Folk Dance II **Credit(s): 3**
- DAN 4130 - Advanced Ballet/Modern Dance: Technique & History **Credit(s): 3**
- EDU 4850 - Secondary Education Student Teaching **Credit(s): 12**

Take 1 of the following courses:

- DAN 3010 - The Renaissance Spirit **Credit(s): 3**
- DAN 3210 - The Emperor Ain't Naked: A History of Western European Fashion & Social Dance from the Mid-14th Century to the Early 20th Century **Credit(s): 3**

Music Education: Required Content-Area Courses

In addition to successfully completing the B.A. in Music Performance & Music Education, students must choose a concentration and take the following content-area courses. Some of these courses may meet requirements for the major as well. With the approval of the Unified Arts Education Program Director, appropriate course substitutions may be permitted.

- MUS 1120 - Applied Music Lessons **Credit(s): 0.5**
- MUS 1231 - Music Theory I **Credit(s): 3**
- MUS 1232 - Music Theory II **Credit(s): 3**
- MUS 2220 - Music Ensemble (J) **Credit(s): 0 or 0.5 or 1**
- MUS 2250 - Introduction to Music Education **Credit(s): 2**
- MUS 2313 - Music Theory III **Credit(s): 3**
- MUS 2314 - Music Theory IV **Credit(s): 3**
- MUS 2361 - Instrumental Techniques I **Credit(s): 3**
- MUS 2362 - Instrumental Techniques II **Credit(s): 3**
- MUS 3031 - History of Western Music I **Credit(s): 3**
- MUS 3032 - History of Western Music II **Credit(s): 3**
- MUS 3060 - Vocal Pedagogy **Credit(s): 2**
- MUS 3080 - Choral Literature **Credit(s): 2**
- MUS 3140 - Arranging/Orchestration **Credit(s): 3**
- MUS 3160 - Elementary School Music Methods **Credit(s): 3**
- MUS 3210 - Secondary School Music Methods **Credit(s): 3**
- MUS 3215 - Technology for the Music Classroom **Credit(s): 3**
- MUS 3270 - Choral Methods **Credit(s): 3**
- MUS 3401 - Conducting I **Credit(s): 3**
- MUS 3402 - Conducting II **Credit(s): 3**
- MUS 3510 - Junior Recital **Credit(s): 1**

Applied Music Lessons: 6 credits

(6 credits in one primary area: vocal or instrumental)

- MUS 1120 - Applied Music Lessons **Credit(s): 0.5**
- MUS 1120L - Applied Music Lesson Lab **Credit(s): 0**
- MUS 3240 - Applied Music Lessons **Credit(s): 1**
- MUS 4030 - Applied Music Lessons **Credit(s): 1.5**

Theater Arts: Required Content-Area Courses

In addition to successfully completing the Theater & Drama (B.A.) - J , students must take the following content-area courses. Some of these courses may meet requirements for the major as well. With the approval of the Unified Arts Education Program Director, appropriate course substitutions may be permitted.

- THA 1040 - Interpreting Contemporary Dramatic Literature (J) **Credit(s): 3**
- THA 1041 - Introduction to Theater Arts (J) **Credit(s): 3**
- THA 1111 - Stagecraft **Credit(s): 3**
- THA 2035 - Costume Construction & Stage Makeup **Credit(s): 3**
- THA 2040 - Performance & Production Lab **Credit(s): 0 or 3**
- THA 2121 - Acting I (J) **Credit(s): 3**
- THA 2121L - Acting I Lab **Credit(s): 1**
- THA 2122 - Acting II (J) **Credit(s): 3**
- THA 3010 - Shakespeare: On the Stage & On the Page **Credit(s): 3**
- THA 3030 - Theater for Young Audiences **Credit(s): 3**
- THA 3110 - Dramatic Literature: Classical/Modern **Credit(s): 3**
- THA 3123 - Acting III **Credit(s): 3**
- THA 3130 - Introduction to Design: Costume, Scenic, and Stage Lighting **Credit(s): 3**
- THA 3140 - Theater History **Credit(s): 3**
- THA 3150 - Introduction to Stage Management **Credit(s): 3**
- THA 3210 - Introduction to Directing **Credit(s): 4**
- THA 4720 - Senior Project in Theater **Credit(s): 3**
- EDU 4850 - Secondary Education Student Teaching **Credit(s): 12**

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* meet all other Degree Requirements, including the General Education Core Curriculum and NVU Graduation Standards.

Education - Lyndon

Tara Fortner, *Assistant Professor*

Bachelor of Science in Multidisciplinary Studies for Inclusive Teaching:

- Non-Licensure

- Elementary Education (K-6) Licensure
- Early Childhood Education (Age 3 - Grade 3) Licensure
- Special Education - Special Educator (K-8) Licensure

Associate of Science in Special Education

Licensure Endorsements

Mission Statement

Centered on the belief that "Teaching is Learning," The Northern Vermont University-Lyndon Department of Education prepares students for careers as effective teachers or paraeducators through extensive and carefully coordinated university coursework and field-based experiences.

Bachelor of Science in Multidisciplinary Studies for Inclusive Teaching

Program Goals

The NVU-Lyndon Education Department program will:

- prepare students to meet the competencies defined by the Vermont State Board of Education
- increase students' content competencies through the completion of coursework in the Liberal Arts and Sciences
- prepare students for teaching through extensive field-based experience in teaching and classroom work
- prepare students for teaching all learners in inclusive classrooms

Vermont Educator Licensure Program

To prepare students to meet licensure requirements defined by the Vermont State Board of Education, competencies for every licensure area in our program have been formulated based on qualitative analysis of the Standards for Vermont Educators and the Regulations Governing the Licensing of Educators and the Preparation of Educational Professionals. These program competencies relate directly to appropriate state and national standards. Development and documentation of competencies by students is facilitated by an advisor who is a specialist in a particular field.

Assessment of goals takes place through portfolio development and review at both Junior and Senior levels. Attainment of all competencies must be documented with evidence presented in the portfolios. The variety of field placements allow students to use practicing teachers in addition to college supervisors as resources for competency development. The consequent combination of campus based course requirements and portfolio development activities results in an in-depth assessment of both knowledge and skills. Nationally established standardized testing is also used as entrance and exit assessments of basic academic skills and content knowledge.

Program Description

Program Approval

NVU-Lyndon's teacher preparation programs are approved by the Vermont State Board of Education. Graduates who are recommended by the College must apply to the State Department of Education for their teaching license. Currently, Vermont teaching licenses are accepted by many states in the U.S.

The Major Programs

1. Non-Licensure Concentration: The core program plus student teaching and the completion of a liberal studies thesis. Students completing this concentration are not eligible for licensure in the state of VT.
2. Elementary Education: The core program plus 15 weeks of student teaching in an elementary classroom and approval of a final portfolio allow students to become licensed to teach in the elementary (K-6) classroom.
3. Early Childhood: The core program plus thirteen additional coursework credits, 15 weeks of student teaching in grades K-3, and approval of a final portfolio allow a student to qualify for the Early Childhood License (Age 3- Grade 3).
4. Special Education: The core program plus thirteen additional coursework credits, 15 weeks of student teaching in special education, and approval of a final portfolio allow students to be licensed as a Special Educator (K-8).
5. Elementary/Special Education Dual Licensure: The core program plus thirteen coursework credits, 7 weeks of student teaching in an elementary classroom, 7 weeks of student teaching in special education, and approval of a final portfolio allow students to be licensed as a Special Educator (K-8).

Acceptance to the Elementary Education Major

Students apply to their major during the second semester of their sophomore year. Transfer students are to consult with their advisor. In order to be accepted to the Elementary Education major, students must:

- earn a C- or better in EDU 2210 EDU 2840 and EDU 3020 (or transfer equivalent)
- demonstrate competence in college level reading and mathematics
- earn a 2.50 GPA overall and 2.75 in the Education major
- pass the Praxis Core standardized test

Eligibility for Fieldwork Apprenticeship

Students must take EDU 3315 concurrently with this fieldwork. Departmental permission required if all required courses are not yet successfully or timely completed. In order to be eligible for a fieldwork apprenticeship students must:

- earn a C- or better in EDU 2120, EDU 2210, EDU 2270, EDU 2840 EDU 3020, EDU 3325, EDU 3350, EDU 3510, EDU 3520, EDU 3530, EDU 3540, EDU 3550, and EDU 3560 (or transfer equivalent)
- pass the Praxis Core standardized test
- have an overall GPA of 2.70

Eligibility for Student Teaching

Students must pass a course in First Aid and complete the Criminal Records check before they student teach. In order to be eligible to student teach, students must:

- obtain departmental permission
- pass the Praxis Core and Praxis II standardized tests*
- make acceptable progress towards "Satisfactory" on the Professional Attributes and Disposition Assessment

- complete a minimum of 90 hours of college work with a 3.0 GPA both overall and in the Education major-or, in extraordinary circumstances, demonstrated intellectual competence as certified by the Dean of Academic Affairs

* Students who are not seeking licensure in VT are not required to pass Praxis II.

Completion of Student Teaching

In order to be recommended for licensure as a Vermont Educator, student teachers must:

- earn a grade of B or better in EDU 4811 and/or EDU 4880
- earn a minimum ranking of "Satisfactory" on the Professional Attributes and Disposition Assessment
- receive a positive evaluation and recommendation from their college supervisors

Teacher Testing

All Students must comply with current State of Vermont and Northern Vermont University regulations regarding Praxis testing for licensure:

1. Passing scores for Praxis Core must be on file at the university prior to the first of November before registering for Teaching Apprenticeship.
2. Passing scores for Praxis II must be on file at the university prior to November 1st for registering for student teaching in the Spring semester and prior to April 1st for registering for student teaching in the Fall semester*.

* Students who are not seeking licensure in VT are not required to pass Praxis II.

Student Learning Outcomes

Students who earn a Bachelor's Degree in Multidisciplinary Studies for Inclusive Teaching will:

- demonstrate mastery of the basic academic skills of reading, writing, computing
- demonstrate mastery of content knowledge that is taught at the elementary school level
- demonstrate appropriate attributes and dispositions necessary to teach successfully
- demonstrate mastery of instruction
- demonstrate mastery of classroom management
- be recommended for licensure as a Vermont Educator, or obtain licensure as an educator in another state
- be employed as a professional educator

Assessing Learning Outcomes

The NVU-Lyndon Education Department uses the following measures to assess and ensure student learning outcomes for the Elementary Education program. All students will

- 1) pass the Praxis Core standardized test and;
- 2) earn positive evaluations on attributes and dispositions from fieldwork supervisors, EDU 3810: Fieldwork Apprenticeship and EDU 4811: Teaching Elementary Education or EDU 4880: Teaching Special Education; and

3) earn positive student teaching evaluations from fieldwork supervisors, EDU 3810: Fieldwork Apprenticeship and EDU 4811: Teaching Elementary Education or EDU 4880: Teaching Special Education.

4) pass the Praxis II standardized test*.

* Students who are not seeking licensure in VT are not required to pass Praxis II.

Additionally, either the NVU-Lyndon Education Department must approve students' Vermont Educator e-portfolios and submit a recommendation for licensure to the State Agency of Education, or the graduate obtains licensure as a professional educator in another state. Finally, the department surveys graduates to determine where and when they have secured employment as professional educators.

Associate of Science in Special Education Paraeducator

Program Goals

The Special Education Paraeducator program prepares students to assist teachers through a combination of university coursework and field-based experiences.

Student Learning Outcomes

Students who earn an Associate in Special Education will:

- demonstrate mastery of the basic academic skills of reading, writing, computing
- demonstrate mastery of assisting in instruction
- demonstrate mastery of assisting in classroom management
- demonstrate appropriate attributes and dispositions necessary to teach successfully
- be employed as a paraeducator (paraprofessional)

Assessing Student Learning Outcomes

The NVU-Lyndon Education Department uses the following measures to assess and ensure student learning outcomes for the Special Education Paraeducator program. All students must meet all Associate's Degree graduation standards.

Successful students will also

- 1) earn a positive student teaching evaluation from their fieldwork supervisors, EDU 2840: Exploratory Field Experience and EDU 2855: Practicum for Paraeducators and
- 2) earns positive student teaching evaluations from their fieldwork supervisors, EDU 2840: Exploratory Field Experience and EDU 2855: Practicum for Paraeducators.

Additionally, students will earn positive evaluations on attributes and dispositions from their fieldwork supervisors. Finally, the department surveys graduates to determine where and when they have secured employment as paraeducators.

Endorsements

Teaching is a continuous process of developing an understanding of the relationships among content, pedagogy, and human development in order to assist others to learn. At NVU-Lyndon, we strive to inspire teacher-licensure students to become competent beginning teachers and to commit to an ongoing process of learning. We prepare teachers able to apply developmentally appropriate practice and feedback to help their students achieve goals important to our schools and society.

Programs

The teaching licensure programs available at NVU-Lyndon include three grade levels and six academic disciplines. They are as follows:

VT Ref. Number*	VT License Title	Grade Level	Lyndon Academic Department/ Lyndon Concentration Area
5440-36	Early Childhood Education**	Age 3 -Grade 3	Education Early Childhood
5440-00	Elementary Education	K-6	Education Elementary Education
5440-82	Special	K-8	Education

Educator

* Regulations Governing the Licensing of Educators and the Preparation of Educational Professionals September, 2003.

Important Program Note: ** This endorsement has the elementary endorsement as a prerequisite for initial licensure.

State Approval

NVU-Lyndon's teacher-preparation programs have been granted program approval by the Vermont State Board of Education. Graduates in these programs are eligible for a license to teach in Vermont upon completion of a portfolio, recommendation of their major department and the Provost, completion of a criminal records check, acceptance of their portfolio by a review panel, satisfaction of Vermont State Standards, receipt of their degrees, and passing required Praxis tests. Licenses are issued by the State Department of Education following application by the graduate. Currently, Vermont Teaching Licenses are accepted reciprocally by 29 other states.

Program Theme

All NVU-Lyndon teacher-licensure programs function under a single theme: Teaching is Learning. We see teaching and learning as reciprocal and mutually supporting activities. Good teachers constantly learn from their students and professional sources. What they learn in turn shapes and refines their teaching. Students learn and are empowered to pass on what they learn through formal and informal teaching/sharing opportunities. From this perspective, all those involved in a teaching/learning situation benefit and grow.

Portfolio

The State of Vermont and Northern Vermont University require that students complete a theme-based portfolio reflecting mastery of required competencies and growth over the period of the program. The student's portfolio is evaluated by a panel and must receive a positive evaluation in order for the student to be recommended for a teaching license.

First Aid

Prior to student teaching Northern Vermont University requires all teacher-preparation students to hold a valid First Aid Certificate.

Eligibility for Student Teaching

Student teaching, usually carried out during the senior year, requires the student to have completed a minimum of 90 hours of college work with a cumulative grade-point average of 3.00 and a grade-point average for required education courses of 3.00, or in extraordinary circumstances demonstrated intellectual competence as certified by the Provost. Passing scores for Praxis Core and Praxis II must be on file prior to student teaching. Departmental permission is also required.

Post-Baccalaureate Licensing Plan in Teacher Education

The Post-Baccalaureate Licensing Plan serves two groups:

1. College graduates who decide to become teachers;
2. School teachers who desire an additional endorsement.

In general, those already holding a Bachelor's Degree are eligible. This program of study requires students to complete the same courses, or to demonstrate equivalent competency, as required of undergraduates in the college's teacher-preparation programs. This usually requires at least 30 credits beyond the bachelor degree. Candidates should apply to the Admissions Office and will be assigned an academic advisor in the department sponsoring certification. The individual program of courses required will be stated in writing for each candidate by the advisor and with the approval of the Provost. The candidate's previous preparation, present needs, occupational goals and individual interests will be considered in this statement. The program requirements for teacher certification must have appeared in a catalog no more than two years prior to completion of course work. Praxis Core and Praxis II are required.

Teacher Testing

All students must comply with current State of Vermont regulations regarding testing for licensure.

Completion of Student Teaching

In order to be eligible for licensing in Vermont, student teachers must receive a grade of "B" or better and receive a positive recommendation from the University supervisor and the cooperating field teacher.

Performance of NVU-Lyndon Students

Of the students who were completing the University's teacher education program in 2007-2008, 100% satisfactorily passed all licensure assessments.

Criminal Records Check

The State of Vermont requires a criminal records check (including fingerprinting) of all persons in public school who may be with a student in an unsupervised situation.

Early Childhood Education (B.S.) - L

Requirements for the program

Students completing this major would be eligible for licensure in early childhood education (Birth - Age 5) in VT.

Major Requirements: 89 Credits

Liberal Studies (35 Credits)

Take at least 35 credits from at least five of the following disciplines (9 of which must be at the 3000/4000 level): ANT, ARH, ART, ATM, BIO, CHE, CIS, ECO, ENG, ENV, FLM, GEO, GEY, HIS, HUM, MAT, MUS, PHI, PHY, POS, PSY, SCI, SOC, or THA.

Early Childhood Education (54 Credits)

- EDU 1030 - Introduction to Early Childhood Education **Credit(s): 3**
- ECE 3820 - Infant and Toddler Techniques **Credit(s): 3**
- ECE 3830 - Early Childhood Techniques **Credit(s): 3**
- ECE 3840 - Advanced Early Childhood Development **Credit(s): 3**
- ECE 3850 - Managing an ECE Classroom **Credit(s): 3**
- ECE 3860 - Ethical Considerations for Early Childhood Educators **Credit(s): 3**
- ECE 3870 - Inclusive Teaching for Early Educators **Credit(s): 3**
- ECE 3920 - Educational Theory for Teachers of Young Children **Credit(s): 3**
- ECE 3940 - Developmentally Appropriate Programming: Infants & Toddlers **Credit(s): 3**
- ECE 3950 - Developmentally Appropriate Programming: Preschool **Credit(s): 3**
- ECE 4020 - Authentic Assessment of Young Children **Credit(s): 3**
- ECE 4040 - Using Inquiry for Math and Science with Young Children **Credit(s): 3**

- ECE 4080 - Language & Literacy in Early Childhood Classrooms **Credit(s): 3**
- EDU 4250 - e-Portfolio Development **Credit(s): 1**
- EDU 4730 - Student Teaching Seminar **Credit(s): 2**
- ECE 4811 - Teaching Early Childhood Education **Credit(s): 12**

Multidisciplinary Studies for Inclusive Teaching (B.S.) - L

Requirements for the program (core plus at least one concentration)

Major Requirements: 96 -110 Credits

Core (83 Credits)

* Select courses can double count between General Education Requirements and the Core Requirements

Students seeking licensure must complete at least 8 credits of upper-level (3000-4000) liberal studies courses (ENG, PSY, POS, GEO, HIS, MAT, SCI or related science disciplines). Any student who does not meet this requirement must take an additional upper-level liberal studies course as approved by his/her advisor.

Language & Literacy (15 Credits)

- ENG 2540 - Global English: Forms, Roles & Issues **Credit(s): 3**
- 3000 Level English Course Credits: 3
- EDU 3350 - Foundations of Language and Literacy Instruction **Credit(s): 3**
- EDU 3540 - Teaching Literacy in the Elementary Classroom **Credit(s): 3**
- EDU 3750 - Literature for Children **Credit(s): 3**

Social Sciences (14 Credits)

- PSY 3050 - Child Development **Credit(s): 3**
- POS 1020 - American Politics and Government **Credit(s): 3**
- GEO 1010 - Introduction to Geography **Credit(s): 3**
- HIS 1211 - American History I **Credit(s): 3**
- EDU 3530 - Social Science Methods **Credit(s): 2**

Science & Mathematics (24 Credits)

In addition to the courses below, students must take three (3) elective credits in Mathematics and two (2) four-credit elective Science courses.

- MAT 2010 - Number Systems **Credit(s): 3**
- MAT 3025 - Math in Elementary School **Credit(s): 3**
- SCI 2310 - Physical Science in the Classroom **Credit(s): 4**
- EDU 3525 - Teaching Math and Science **Credit(s): 3**

Inclusive Education (30 Credits)

- EDU 1025 - Introduction to the Major **Credit(s): 3**
Advised Term 1st Year
- EDU 2010 - Foundations of Education **Credit(s): 3**
Advised Term 1st Year
- EDU 2120 - Children with Disabilities **Credit(s): 3**
Advised Term 1st/2nd Year
- EDU 2270 - Classroom and Behavior Management **Credit(s): 3**
Advised Term 2nd Year
- EDU 2315 - Technology in the Classroom **Credit(s): 1**
Advised Term 2nd Year
- EDU 3020 - Educational Psychology **Credit(s): 3**
Advised Term 2nd Year
- EDU 3185 - Differentiated Instruction & Assessment **Credit(s): 3**
Advised Term 3rd Year
- EDU 3730 - Educational Laws & Regulations **Credit(s): 1**
Advised Term 3rd Year
- EDU 3825 - Teaching Over Time: Curriculum Development **Credit(s): 3**
Advised Term 3rd Year
- EDU 4475 - Teaching Apprenticeship **Credit(s): 6**
Advised Term 3rd Year
- EDU 4730 - Student Teaching Seminar **Credit(s): 2**
Advised Term 4th Year

Non-Licensure Concentration (15 Credits)

Students completing this concentration would not be eligible for VT licensure

- LIB 4810 - Liberal Studies Thesis **Credit(s): 3**
- EDU 4730 - Student Teaching Seminar **Credit(s): 2**

Elementary Education Concentration (13 Credits)

Students completing this concentration would be eligible for elementary education (K-6) licensure in VT

- EDU 4811 - Teaching Elementary Education **Credit(s): 7-12**
- EDU 4250 - e-Portfolio Development **Credit(s): 1**

Early Childhood Education Concentration (22 Credits)

Students completing this concentration would be eligible for licensure in early childhood education (age 3 - grade 3) and elementary education (K-6) licensure in VT

- EDU 1030 - Introduction to Early Childhood Education **Credit(s): 3**
Advised Term 1st Year
- EDU 3830 - Early Childhood Techniques **Credit(s): 3**
Advised Term 3rd Year

- EDU 4080 - Language & Literacy in Early Childhood Classrooms **Credit(s): 3**
Advised Term 4th Year
- EDU 4811 - Teaching Elementary Education **Credit(s): 7-12**
Advised Term 4th Year
- EDU 4250 - e-Portfolio Development **Credit(s): 1**
Advised Term 4th Year

Special Education Concentration (25 Credits)

Students completing this concentration would be eligible for licensure in special education (K-8) in VT

- EDU 4070 - Teaching Students with Special Needs: Elementary Emphasis **Credit(s): 3**
Advised Term 3rd Year
- EDU 4450 - Assessment of Exceptional Students **Credit(s): 3**
Advised Term 3rd or 4th Year
- EDU 4460 - Emotional and Behavioral Disabilities **Credit(s): 3**
Advised Term 4th Year
- EDU 4580 - Reading Disabilities I **Credit(s): 3**
Advised Term 3rd Year
- EDU 4880 - Teaching Special Education **Credit(s): 7-12**
Advised Term 3rd or 4th Year
- EDU 4250 - e-Portfolio Development **Credit(s): 1**
Advised Term 4th Year

Special Education (A.S.) - L

Minimum required credits for the program: 40

Students majoring in the Associate of Science in Special Education program are required to take MAT-1060 (Problem Solving with Mathematics) and MAT-2010 (Number Systems) as their Mathematics General Education Core Curriculum requirements.

Core: (34 credits)

In addition to courses below, 3 credits of electives in Education or Special Education - Assessment, Instruction, or Management of students (approved by advisor).

- EDU 2120 - Children with Disabilities **Credit(s): 3**
- EDU 2010 - Foundations of Education **Credit(s): 3**
- EDU 2230 - Supporting Students with Autism Spectrum Disorders (L) **Credit(s): 2**
- EDU 2270 - Classroom and Behavior Management **Credit(s): 3**
- EDU 2315 - Technology in the Classroom **Credit(s): 1**
- EDU 2855 - Practicum for Paraeducators **Credit(s): 1-3**
- EDU 3020 - Educational Psychology **Credit(s): 3**
- EDU 3185 - Differentiated Instruction & Assessment **Credit(s): 3**
- EDU 3350 - Foundations of Language and Literacy Instruction **Credit(s): 3**
- EDU 3525 - Teaching Math and Science **Credit(s): 3**
- EDU 3730 - Educational Laws & Regulations **Credit(s): 1**

Unrestricted Electives: (6 credits)

Unrestricted electives for 6 credits (examples: PSY 3050 Child Development; SOC 2040 Race, Ethnicity, Class and Gender; Divisional Choice courses; Education/Special Education electives)

English, Philosophy, and Film Studies - Lyndon

Kristi Castleberry, *Assistant Professor*

Chandler R. Gilman, *Professor*

David M. Johnston, *Professor*

Andrea Luna, *Professor*

Elaine Razzano, *Professor*

Bachelor of Arts in English

- **Literature and Film Studies**
- **Writing**

Minors: Film Studies, Philosophy, Literature, Writing

Mission Statement

The Northern Vermont University-Lyndon Department of English, Philosophy and Film Studies delivers a first-rate liberal arts education matching the range and depth available at much larger colleges and universities but with the focused, individual attention that defines NVU.

Program Goals

The NVU-Lyndon Department of English, Philosophy and Film Studies seeks to:

- provide students with a vital and substantive understanding of the study and analysis of culture through literature, writing, philosophy, film, and a variety of other cultural media
- provide students with critical reading and research skills
- train students in the kind of analytical, interpretive, and communicative skills that are valuable not only in graduate study, but also in any area of management and communications, from personnel to public relations
- develop and enhance students' writing skills
- teach students how to learn by developing their interpretive, evaluative, analytical, and critical-thinking skills

Program Description

The NVU-Lyndon Department of English, Philosophy, and Film Studies provides an ideal balance between the broad preparation of an interdisciplinary liberal arts education and the specific focus of specialized study in a chosen professional or academic field. At the core of the program for all majors is a thorough grounding in creative and critical thinking, analytical reading, research, and writing; and the study of culture, providing the foundation for advanced study in the area of each student's particular interest.

Students may pursue interests in a variety of specialties: professional writing, creative writing, literature, philosophy, film, and cultural studies. With two concentrations in the major and a variety of minors, the department provides flexible alternatives for students to pursue their particular interests and to develop their skills and understanding.

The B.A. in English, Writing concentration provides opportunities for students interested in the broad fields of creative and professional writing, including a more specialized focus in strategic communication in a variety of visual and textual media, both print and electronic. For students interested in the interpretation, analysis, and understanding of culture and cultural media, the department offers flexible program opportunities through a B.A. in English with a concentration in Literature and Film Studies.

Minors and Liberal Studies programs in English, Film Studies, and Philosophy provide additional opportunities for students to create individual programs in philosophy, literature, writing, film or cultural studies.

Our effort is to prepare all of our students—majors and non-majors—for the richness of a lifetime of reading, thinking, and writing, as well as to supply a firm and comprehensive liberal arts foundation for each student as he or she pursues either graduate study or a chosen career.

Many of our graduates have pursued careers in such fields as teaching, journalism, advertising, public relations, editing and publishing, online writing and publishing, non-profit fund raising, non-profit organization management, technical writing, creative writing, law, government, business management, library work, sales, marketing, banking, international service, and social service. Others have pursued graduate study in literature, philosophy, writing, business, and law.

Student Learning Outcomes

Students who complete the B.A. in English will demonstrate:

- an understanding of the ways in which cultural, historical, and aesthetic contexts inform all kinds of text
- an ability to use and cite sources responsibly in scholarly research
- analytical and creative skills in reading, writing, speaking, viewing, and listening
- initiative and perseverance in analytical and creative endeavors

Assessing Student Learning Outcomes

The Department's comprehensive assessment procedures are available on request. Outcomes for advanced juniors and seniors are assessed through a variety of defined vehicles, according to an established rubric, in advanced seminars and capstone courses (e.g.: ENG 4910, Thesis/Portfolio). Substantial written and oral work is assessed according to the defined outcomes and the evaluative rubric by individual faculty teaching the relevant courses.

English (B.A.) - L

Minimum required credits for the program: 42-47

Requirements for the program (Core, and either the Writing Concentration, or Literature and Film Studies Concentration)

Required Core: (15 Credits)

- ENG 2130 - Introduction to Writing Poetry **Credit(s): 3**
Advised Term 2nd or 3rd Year
or

- ENG 2140 - Introduction to Writing Fiction **Credit(s): 3**
Advised Term 2nd or 3rd Year
- ENG 2250 - Critical Approaches **Credit(s): 3**
Advised Term 2nd or 3rd Year
- FLM 1055 - Film Analysis and Appreciation **Credit(s): 3**
Advised Term 1st Year
- PHI 1060 - Logic and Creative Thinking **Credit(s): 3**
Advised Term 1st Year

Take 3 credits from one of the following:

- EDU 4020 - Methods of Teaching Secondary English **Credit(s): 3**
- ENG 4810 - Internship in English (L) **Credit(s): 2-15**
(only 3 credits may be counted toward English program requirements)
- FLM 4810 - Internship in Film Studies **Credit(s): 2-15**
(only 3 credits may be counted toward English program requirements)

Core Choice: (12-14 Credits)

Choose four courses, with at least 6 ENG credits, from:

- ENG 2155 - Multimedia Storytelling **Credit(s): 3**
Advised Term 2nd or 3rd Year
- ENG 2290 - Introduction to British Literature **Credit(s): 3**
Advised Term 2nd or 3rd Year
- ENG 2325 - Introduction to American Literature **Credit(s): 3**
Advised Term 2nd or 3rd Year
- ENG 2390 - Introduction to World Literature **Credit(s): 3**
Advised Term 2nd or 3rd Year
- ENG 2535 - Genre Survey **Credit(s): 3**
Advised Term 2nd or 3rd Year
- ENG 2545 - Literature and Culture Survey **Credit(s): 3**
Advised Term 2nd or 3rd Year
- ENG 2815 - On-Site Experience **Credit(s): 1-3** *(Only 3 credits may count toward English program requirements.)*
Advised Term 2nd or 3rd Year
- ENG 3010 - Advanced Composition and Rhetoric **Credit(s): 3**
Advised Term 3rd Year
- FLM 2015 - History of Cinema I **Credit(s): 4**
Advised Term 2nd or 3rd Year
- FLM 2025 - History of Cinema II **Credit(s): 4**
Advised Term 2nd or 3rd Year
- PHI 2090 - Popular Culture and Philosophy **Credit(s): 3**
Advised Term 2nd or 3rd Year

Selected courses at the 1000 or 2000 level with approval of advisor.

Writing Concentration (15 Credits)

- ENG 4910 - Senior Portfolio **Credit(s): 3**

Choose four courses (12 credits) from:

- COM 2085 - Public Relations, Advertising, and Marketing **Credit(s): 3**
- ENG 2540 - Global English: Forms, Roles & Issues **Credit(s): 3**
- COM 3080 - Strategic Media Communications **Credit(s): 3**
- ENG 3110 - Creative Writing Workshop **Credit(s): 3**
- ENG 3155 - Creative Writing: Form & Theory **Credit(s): 3**
Note: ENG 3155 may be used twice to satisfy program requirements.
- ENG 4080 - Advanced Creative Writing Workshop **Credit(s): 3**
- ENG 4250 - Advanced Critical Approaches **Credit(s): 3**
- OEL 3110 - Public Relations **Credit(s): 3**

Selected courses at the 3000 or 4000 level with approval of advisor.

Literature and Film Studies Concentration (15-18 Credits)

- ENG 4950 - Senior Capstone **Credit(s): 3**

Choose four courses (12-15 credits) from:

- ENG 2540 - Global English: Forms, Roles & Issues **Credit(s): 3**
- FLM 3010 - Auteur Filmmakers Seminar **Credit(s): 4**
- ENG 3025 - Media and Society **Credit(s): 3**
- ENG 3385 - Genre Seminar **Credit(s): 3**
Note: ENG 3385 may be used twice to satisfy program requirements.
- ENG 3545 - Literature and Culture Seminar **Credit(s): 3**
Note: ENG 3545 may be used twice to satisfy program requirements.
- ENG 4250 - Advanced Critical Approaches **Credit(s): 3**
- ENG 4750 - Senior Seminar **Credit(s): 3**
- FLM 3320 - Film and Culture Seminar **Credit(s): 3**
- FLM 3610 - Film Studies Seminar **Credit(s): 4**
- FLM 4010 - Theory of Cinema **Credit(s): 4**
- PHI 2050 - Nature, Science, and Technology **Credit(s): 3**
- PHI 3065 - Philosophy of Film and Television **Credit(s): 3**
- PHI 3140 - Art Theory and Criticism **Credit(s): 3**

Selected courses at the 3000 or 4000 level with approval of advisor.

Film Studies Minor - L

Minimum required credits for the minor: 23-26

Requirements for the minor

- FLM 1055 - Film Analysis and Appreciation **Credit(s): 3**
- FLM 2015 - History of Cinema I **Credit(s): 4**
- FLM 2025 - History of Cinema II **Credit(s): 4**

Choice courses: (four courses, with at least 6 FLM credits and at least 9 credits at the 3000/4000 level)

- ENG 2250 - Critical Approaches **Credit(s): 3**
- ENG 3025 - Media and Society **Credit(s): 3**
- ENG 4250 - Advanced Critical Approaches **Credit(s): 3**
- FLM 3010 - Auteur Filmmakers Seminar **Credit(s): 4**
- FLM 3320 - Film and Culture Seminar **Credit(s): 3**
- FLM 3610 - Film Studies Seminar **Credit(s): 4**
- FLM 4010 - Theory of Cinema **Credit(s): 4**
- PHI 3065 - Philosophy of Film and Television **Credit(s): 3**
- PHI 3140 - Art Theory and Criticism **Credit(s): 3**
- THA 2080 - Theatre Arts in The Dramatic Format **Credit(s): 3**

Literature Minor - L

Minimum required credits for the minor: 21

Requirements for the minor

Choose 21 credits from the courses below with at least nine credits at the 3000 or 4000 level:

- ENG 2250 - Critical Approaches **Credit(s): 3**
- ENG 2290 - Introduction to British Literature **Credit(s): 3**
- ENG 2325 - Introduction to American Literature **Credit(s): 3**
- ENG 2390 - Introduction to World Literature **Credit(s): 3**
- ENG 2535 - Genre Survey **Credit(s): 3**
- ENG 2545 - Literature and Culture Survey **Credit(s): 3**
- ENG 3385 - Genre Seminar **Credit(s): 3**
- ENG 3545 - Literature and Culture Seminar **Credit(s): 3**
- ENG 4250 - Advanced Critical Approaches **Credit(s): 3**
- ENG 4750 - Senior Seminar **Credit(s): 3**

Philosophy Minor - L

Minimum required credits for the minor: 21

Requirements for the minor

Choose 21 credits from the courses below with at least 9 credits from PHI and at least 6 credits at the 3000 or 4000 level:

- PHI 1050 - Ethical Practice **Credit(s): 3**
- PHI 1060 - Logic and Creative Thinking **Credit(s): 3**
- PHI 2050 - Nature, Science, and Technology **Credit(s): 3**
- PHI 2090 - Popular Culture and Philosophy **Credit(s): 3**
- PHI 3065 - Philosophy of Film and Television **Credit(s): 3**
- PHI 3140 - Art Theory and Criticism **Credit(s): 3**
- PHI 4810 - Internship in Philosophy **Credit(s): 2-15**
(Only 3 credits may be counted for the program)

- ENG 2250 - Critical Approaches **Credit(s): 3**
- ENG 3025 - Media and Society **Credit(s): 3**
- ENG 4250 - Advanced Critical Approaches **Credit(s): 3**
- FLM 4010 - Theory of Cinema **Credit(s): 4**

Writing Minor - L

Minimum required credits for minor: 21

Requirements for the minor

Choose 21 credits from the courses below with at least nine credits at the 3000 or 4000 level:

- COM 2085 - Public Relations, Advertising, and Marketing **Credit(s): 3**
- COM 3080 - Strategic Media Communications **Credit(s): 3**
- ENG 2130 - Introduction to Writing Poetry **Credit(s): 3**
- ENG 2140 - Introduction to Writing Fiction **Credit(s): 3**
- ENG 2155 - Multimedia Storytelling **Credit(s): 3**
- ENG 3010 - Advanced Composition and Rhetoric **Credit(s): 3**
- ENG 3110 - Creative Writing Workshop **Credit(s): 3**
- ENG 3155 - Creative Writing: Form & Theory **Credit(s): 3**
- ENG 4080 - Advanced Creative Writing Workshop **Credit(s): 3**
- ENG 4810 - Internship in English (L) **Credit(s): 2-15**
(Only 3 credits may be counted toward the program.)
- JOU 2040 - Journalistic Writing **Credit(s): 3**
- OEL 3110 - Public Relations **Credit(s): 3**

Environmental & Health Sciences - Johnson

Faculty/Staff

Tania Bacchus, *Professor*

Elizabeth Dolci, *Professor*

Robert Genter, *Professor*

Leslie Kanat, *Professor*

Brad Moskowitz, *Professor*

John Pellerin, *Associate Professor*

Karen Uhlendorf, *Professor*

Amy Welch, *Professor, Department Chair*

Administrative Assistant: Shona Sladyk

The Northern Vermont University-Johnson Department of Environmental & Health Sciences offers a range of focus areas that prepare students for careers in such fields as medicine and medical research, the natural sciences, environmental policy, health

and physical education, outdoor education, and resource management. Research and learning opportunities are on par with those at leading academic and research institutions, with students working alongside professors in laboratory and the field, co-authoring papers and presenting at professional conferences. All programs in this department focus on teamwork and high-impact experiential learning.

Programs

Majors & Concentrations

- Biology (B.S.): General Biology concentration - J
- Biology (B.S.): Pre-Medical concentration - J
- Biology: Field Naturalist (B.A.) - J
- Environmental Science (B.S.): Environmental Analysis & Assessment concentration - J
- Environmental Science (B.S.): Environmental Policy & Advocacy concentration - J
- Health Sciences (B.S.): Pre-Professional Health Studies - J
- Health Sciences (B.S.): Physical Education concentration - J
- Health Sciences (B.S.): Health & Wellness Coaching Concentration - J
- Outdoor Education (B.A.): Adventure Education & Wilderness Leadership concentration - J
- Outdoor Education (B.A.): Environmental Education concentration - J
- Outdoor Education (B.A.): Outdoor Program Management & Administration concentration - J
- Outdoor Education (B.A.): Therapeutic Wilderness & Adventure Programming concentration - J

Minors

- Adventure Education Minor - J
- Biology Minor - J
- Chemistry Minor - J
- Environmental Education Minor - J
- Environmental Science Minor - J

The Northern Vermont University-Johnson Department of Environmental & Health Sciences offers courses with the following designators: AHS (allied health science), BIO (biology), CHE (chemistry), ENV (environmental science), GEY (geology), OER (outdoor education and recreation), PED (physical education), PHY (physics) and SCI (science). See full Course Descriptions.

Adventure Education Minor - J

Required Courses (15 credits)

- OEL 1000 - Introduction to Outdoor Education **Credit(s): 3**
- OEL 1080 - Leadership and Small Group Dynamics **Credit(s): 3**
- OEL 1810 - Outdoor Education Practicum **Credit(s): 3**
- OEL 2060 - Wilderness First Responder **Credit(s): 3**
- OEL 3070 - Adventure Education Theory and Practice **Credit(s): 3**

6 Credits of Skills Courses

Choice of:

- OEL 1121 - Fundamentals of Rock Climbing **Credit(s): 2**

- OEL 1122 - Fundamentals of Mountain Biking **Credit(s): 1**
- OEL 1123 - Fundamentals of Canoeing **Credit(s): 1**
- OEL 1125 - Fundamentals of Kayaking **Credit(s): 1**
- OEL 1126 - Fundamentals of Ice Climbing **Credit(s): 1**
- OEL 1127 - Fundamentals of Alpine Climbing **Credit(s): 1**
- OEL 1128 - Level I Avalanche and Companion Rescue **Credit(s): 2**
- OEL 1150 - Fundamentals of Backcountry Skiing and Riding **Credit(s): 1**
- OEL 2121 - Advanced Single Pitch Rock Climbing **Credit(s): 3**
- OEL 2122 - Advanced Mountain Biking **Credit(s): 2**
- OEL 2123 - Advanced Canoeing **Credit(s): 2**
- OEL 2125 - Advanced Kayaking **Credit(s): 2**
- OEL 2126 - Advanced Ice Climbing **Credit(s): 2**
- OEL 2127 - Advanced Alpine Climbing **Credit(s): 2**
- OEL 2128 - Level II Avalanche **Credit(s): 2**
- OEL 2140 - Ropes Course Leadership **Credit(s): 3**
- OEL 2150 - Advanced Backcountry Skiing and Riding **Credit(s): 2**

Total: 21 credits

Biology (B.S.): General Biology concentration - J

This program focuses on the core sub-disciplines of biology, including molecular and cellular biology, organismal biology, ecology and evolution. Students explore the world in the field and in laboratory, working side by side with professors and peers conducting research and benefiting from advanced learning opportunities typically reserved for graduate-level students. **Students graduate with a B.S. in Biology concentrating in General Biology.** Graduates who also successfully complete the required education courses for secondary licensure become candidates for a license to teach science in grades 7-12.

Biology Programs at NVU-Johnson

The study of biology serves all college majors and professionals by preparing them to understand and deal with the many biological concepts, issues and problems in their fields. Our program is designed to introduce the core sub-disciplines of biology and to offer advanced studies in organismal, human, molecular and environmental biology. Microbiologists, physiologists, zoologists, molecular biologists, field naturalists, ecologists, marine biologists, agricultural scientists, foresters, wildlife managers, physicians, therapists, nutritionists, toxicologists, science writers and teachers are a sample of the professionals who commonly begin as biology majors.

Students in the biology program explore outdoor laboratories ranging from the College's Babcock Nature Preserve to areas as diverse as tropical ecosystems and the American west. On campus, our program is supported by teaching laboratories, a greenhouse, an artificial stream laboratory, a cellular and molecular laboratory, and extensive herbarium and vertebrate museum collections.

The research activities of the faculty include understanding cell behavior at the molecular level, classification of plants, improving teaching in biology, vertebrate ecology and studying environmental pollution.

The B.S. in Biology is designed for students who desire a comprehensive training in the life sciences leading to areas in education, research or medicine. As noted above, graduates who also complete the required education courses for secondary licensure become candidates for a license to teach science in grades 7-12.

Learning Outcomes

- **Demonstrate basic knowledge:** Students will define and explain the major concepts in the biological sciences; for example, the relationship between structure and function at all levels of organization.
- **Apply the scientific method:** Students will incorporate the major steps in the scientific method to design and carry out research studies and to test hypotheses.
- **Communicate in Science:** a) Students will communicate at a scientific level in writing and b) Students will communicate at a scientific level in oral presentations.
- **Develop technical skills:** Students will practice proper usage of scientific instrumentation and will improve techniques both in the laboratory and in the natural environment.
- **Apply quantitative analysis and mathematical reasoning:** Students will apply quantitative analysis to interpret biological data.
- **Read and analyze scientific information:** Students will read, understand, and incorporate scientific literature in their writing.
- **Discuss the relationships between science and society:** Students will integrate current biological evidence into discussion of global challenges.

Biology Curriculum at NVU-Johnson (42 credits)

- BIO 1211 - Introduction to Biology: Ecology and Evolution **Credit(s): 4**
- BIO 1212 - Introduction to Biology: Cells and Genetic Basis **Credit(s): 4 ***
- BIO 4810 - Internship in Biology **Credit(s): 1-12 OR**
- BIO 4920 - Senior Thesis **Credit(s): 3**
- CHE 1031 - General Chemistry I **Credit(s): 4 ***
- CHE 1032 - General Chemistry II **Credit(s): 4 ***
- CHE 3111 - Organic Chemistry I **Credit(s): 4 ***
- CHE 3112 - Organic Chemistry II **Credit(s): 4 ***
- ENV 2210 - Current Topics in Science **Credit(s): 1** (Students are required to complete 3 semesters of ENV-2210.)
- MAT 1531 - Calculus I **Credit(s): 4 ***
- PHY 2031 - Fundamental Physics I **Credit(s): 4**
- PHY 2032 - Fundamental Physics II **Credit(s): 4**

General Biology Concentration

Required Concentration Courses (8 credits)

- BIO 2340 - Fundamentals of Ecology **Credit(s): 4**
- BIO 3220 - Genetics **Credit(s): 4**

Electives (choose at least 1 from each set):

Set 1: Mathematics

- MAT 2021 - Statistics **Credit(s): 3**
- MAT 2532 - Calculus II **Credit(s): 4**

Set 2: Cell/Molecular Biology

- BIO 3125 - Biological Chemistry **Credit(s): 4**
- BIO 3130 - Cellular Biology: A Molecular Approach **Credit(s): 4**
- BIO 3140 - Introduction to Microbiology **Credit(s): 4**

Set 3: Organismal Biology

- BIO 2011 - Human Anatomy & Physiology I **Credit(s): 4**
- BIO 2012 - Human Anatomy and Physiology II **Credit(s): 4**
- BIO 2145 - Plant Biology **Credit(s): 4**
- BIO 2310 - Invertebrate & Vertebrate Zoology **Credit(s): 4**
- BIO 3160 - Animal Behavior **Credit(s): 4**
- BIO 3170 - Mammalogy **Credit(s): 4**
- BIO 3320 - Ornithology **Credit(s): 4**

Set 4: Ecology/Evolution

- BIO 3260 - Limnology **Credit(s): 4**
- BIO 3280 - Environmental Toxicology **Credit(s): 4**
- BIO 3290 - Conservation Biology **Credit(s): 3**

Total: 64-66 credits

** These courses also fulfill requirements in the Environmental Science, Health Sciences, Outdoor Education and Wellness & Alternative Medicine programs.*

+ These courses also fulfill the General Education Curriculum requirements.

Secondary Teaching License in Science

Students pursuing licensure endorsement to teach science in grades 7-12 must successfully complete one of the approved majors for this endorsement (the Biology: Field Naturalist (B.A.) - J, Biology (B.S.): Pre-Medical concentration - J, Health Sciences (B.S.): Health & Wellness Coaching Concentration - J, Environmental Science (B.S.): Environmental Analysis & Assessment concentration - J, or Environmental Science (B.S.): Environmental Policy & Advocacy concentration - J), as well as specific teacher-education coursework and requirements. Please refer to the Secondary Teacher License Endorsement - J section for details.

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* meet all other Degree Requirements, including the General Education Core Curriculum and NVU Graduation Standards.

Biology (B.S.): Pre-Medical concentration - J

This program prepares students for a variety of positions in medicine, science and research as well as admission to medical school. In addition to core biology courses and labs (including physics, calculus, and general and organic chemistry), students take upper-level electives in anatomy and physiology, pharmacology, nutrition, genetics, microbiology, kinesiology and related

topics. **Students graduate with a B.S. in Biology with a concentration in Pre-Medical Biology.** Graduates who successfully complete the required education courses for secondary licensure become candidates for a license to teach science in grades 7-12.

Biology Programs at NVU-Johnson

The study of biology serves all college majors and professionals by preparing them to understand and deal with the many biological concepts, issues and problems in their fields. Our program is designed to introduce the core sub-disciplines of biology and to offer advanced studies in organismal, human, molecular and environmental biology. Microbiologists, physiologists, zoologists, molecular biologists, field naturalists, ecologists, marine biologists, agricultural scientists, foresters, wildlife managers, physicians, therapists, nutritionists, toxicologists, science writers and teachers are a sample of the professionals who commonly begin as biology majors.

Students in the biology program explore outdoor laboratories ranging from the College's Babcock Nature Preserve to areas as diverse as tropical ecosystems and the American west. On campus, our program is supported by teaching laboratories, a greenhouse, an artificial stream laboratory, a cellular and molecular laboratory, and extensive herbarium and vertebrate museum collections.

The research activities of the faculty include understanding cell behavior at the molecular level, classification of plants, improving teaching in biology, vertebrate ecology and studying environmental pollution.

The B.S. in Biology is designed for students who desire a comprehensive training in the life sciences leading to areas in education, research or medicine. As noted above, graduates who also complete the required education courses for secondary licensure become candidates for a license to teach science in grades 7-12.

Learning Outcomes

- **Demonstrate basic knowledge:** Students will define and explain the major concepts in the biological sciences; for example, the relationship between structure and function at all levels of organization.
- **Apply the scientific method:** Students will incorporate the major steps in the scientific method to design and carry out research studies and to test hypotheses.
- **Communicate in Science:** a) Students will communicate at a scientific level in writing and b) Students will communicate at a scientific level in oral presentations.
- **Develop technical skills:** Students will practice proper usage of scientific instrumentation and will improve techniques both in the laboratory and in the natural environment.
- **Apply quantitative analysis and mathematical reasoning:** Students will apply quantitative analysis to interpret biological data.
- **Read and analyze scientific information:** Students will read, understand, and incorporate scientific literature in their writing.
- **Discuss the relationships between science and society:** Students will integrate current biological evidence into discussion of global challenges.

Biology Curriculum at NVU-Johnson (42 credits)

- BIO 1211 - Introduction to Biology: Ecology and Evolution **Credit(s): 4**
- BIO 1212 - Introduction to Biology: Cells and Genetic Basis **Credit(s): 4 ***

- BIO 4810 - Internship in Biology **Credit(s): 1-12 OR**
- BIO 4920 - Senior Thesis **Credit(s): 3**

- CHE 1031 - General Chemistry I **Credit(s): 4 ***

- CHE 1032 - General Chemistry II **Credit(s): 4 ***
- CHE 3111 - Organic Chemistry I **Credit(s): 4 ***
- CHE 3112 - Organic Chemistry II **Credit(s): 4 ***
- ENV 2210 - Current Topics in Science **Credit(s): 1** (Students are required to complete 3 semesters of ENV-2210.)
- MAT 1531 - Calculus I **Credit(s): 4 ***
- PHY 2031 - Fundamental Physics I **Credit(s): 4**
- PHY 2032 - Fundamental Physics II **Credit(s): 4**

Pre-Medical Concentration Curriculum

Take at least 16 credits from the following:

- AHS 3050 - Introduction to Pharmacology **Credit(s): 3**
- AHS 3120 - Kinesiology **Credit(s): 3**
- AHS 3230 - Physiology of Exercise **Credit(s): 4**
- BIO 2011 - Human Anatomy & Physiology I **Credit(s): 4**
- BIO 2012 - Human Anatomy and Physiology II **Credit(s): 4**
- BIO 2310 - Invertebrate & Vertebrate Zoology **Credit(s): 4**
- BIO 3125 - Biological Chemistry **Credit(s): 4**
- BIO 3130 - Cellular Biology: A Molecular Approach **Credit(s): 4**
- BIO 3140 - Introduction to Microbiology **Credit(s): 4**
- BIO 3180 - Nutrition **Credit(s): 3**
- BIO 3220 - Genetics **Credit(s): 4**
- MAT 2021 - Statistics **Credit(s): 3**
- MAT 2532 - Calculus II **Credit(s): 4**

Total: 58 credits (73 with recommended courses below)

Additional Recommended Courses (15 credits)

Medical schools generally look for students who have a solid education in the liberal arts. Courses in humanities and the social sciences are strongly recommended, including the following.

- SOC 1010 - Introduction to Sociology (J) **Credit(s): 3**
- SOC 3060 - Sexuality & Intimacy **Credit(s): 3**
- PSY 1010 - Introduction to Psychology **Credit(s): 3**
- PSY 3330 - Psychology of Addictions **Credit(s): 3**
- PSY 4010 - Biological Psychology **Credit(s): 3**

Secondary Teaching License in Science

Students pursuing licensure endorsement to teach science in grades 7-12 must successfully complete one of the approved majors for this endorsement (the Biology: Field Naturalist (B.A.) - J, Biology (B.S.): Pre-Medical concentration - J, Health Sciences (B.S.): Health & Wellness Coaching Concentration - J, Environmental Science (B.S.): Environmental Analysis & Assessment concentration - J, or Environmental Science (B.S.): Environmental Policy & Advocacy concentration - J), as well as specific teacher-education coursework and requirements. Please refer to the Secondary Teacher License Endorsement - J section for details.

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* meet all other Degree Requirements, including the General Education Core Curriculum and NVU Graduation Standards.

Biology Minor - J

Required Courses

- BIO 1211 - Introduction to Biology: Ecology and Evolution **Credit(s): 4**
- BIO 1212 - Introduction to Biology: Cells and Genetic Basis **Credit(s): 4**
- Plus a minimum of 16 biology credits to consist of four 2000-level or higher biology courses of which at least two are at the 3000-4000 level.

Total: 24 credits

Biology: Field Naturalist (B.A.) - J

The B.A. in Biology: Field Naturalist is designed for students who wish to pursue meaningful careers as field scientists, naturalists, or researchers. Students learn the skills to work in the field for private, not-for-profit, local, state, and federal governments and organizations. Field naturalists have a broad knowledge of ecology, organismal biology, field geology and soils, environmental assessment, conservation biology, and wildlife management. Field naturalists can effectively communicate technical scientific information to a broad range of professional and lay audiences including the general public, planners and regulators, and government officials.

Learning Outcomes

- **Demonstrate basic knowledge:** Students will define and explain the major concepts in the biological sciences; for example, the relationship between structure and function at all levels of organization.
- **Apply the scientific method:** Students will incorporate the major steps in the scientific method to design and carry out research studies and to test hypotheses.
- **Communicate in Science:** a) Students will communicate at a scientific level in writing and b) Students will communicate at a scientific level in oral presentations.
- **Develop technical skills:** Students will practice proper usage of scientific instrumentation and will improve techniques both in the laboratory and in the natural environment.
- **Apply quantitative analysis and mathematical reasoning:** Students will apply quantitative analysis to interpret biological data.
- **Read and analyze scientific information:** Students will read, understand, and incorporate scientific literature in their writing.
- **Discuss the relationships between science and society:** Students will integrate current biological evidence into discussion of global challenges.

Required Core Courses (40 credits)

- BIO 1211 - Introduction to Biology: Ecology and Evolution **Credit(s): 4 +**
- BIO 1212 - Introduction to Biology: Cells and Genetic Basis **Credit(s): 4 * +**

- BIO 2145 - Plant Biology **Credit(s): 4**
- BIO 2310 - Invertebrate & Vertebrate Zoology **Credit(s): 4**
- BIO 2340 - Fundamentals of Ecology **Credit(s): 4 ***
- CHE 1055 - General, Organic and Biochemistry **Credit(s): 4 ***
- ENV 1050 - Introduction to Earth Science **Credit(s): 4 * +**
- ENV 1110 - Introduction to Environmental Problems **Credit(s): 3 ***

- ENV 2050 - The Natural History of Vermont **Credit(s): 3 * OR**
- BIO 2130 - Natural History of the Yellowstone Plateau **Credit(s): 3 ***

- ENV 2210 - Current Topics in Science **Credit(s): 1**

- BIO 4810 - Internship in Biology **Credit(s): 1-12 OR**
- BIO 4920 - Senior Thesis **Credit(s): 3**

Electives (Take at least 16 credits from the following; they can be from more than one theme):

Theme 1: Science

- BIO 3260 - Limnology **Credit(s): 4** (Note: This course has CHE 1031 - General Chemistry I, as a prerequisite.)
- BIO 3270 - Forest Ecology **Credit(s): 4** (Note: This course has CHE 1031 - General Chemistry I, as a prerequisite.)
- BIO 3290 - Conservation Biology **Credit(s): 3**
- BIO 4220 - Wildlife Ecology & Management **Credit(s): 4**
- ENV 3240 - Fundamentals of Soil Science **Credit(s): 4** (Note: This course has CHE 1031 - General Chemistry I, as a prerequisite.)
- ENV 3310 - Applications in GIS **Credit(s): 4**
- GEY 3120 - Field Geology **Credit(s): 4**

An upper-level organismal-biology course with a significant field/lab component, approved by your academic advisor, is also a course option in this category.

Theme 2: Communication

- ART 2430 - Introduction to Video Production **Credit(s): 3**
- ENG 3140 - The Creative Essay **Credit(s): 3**
(Note: This course has either ENG 2101 - Creative Writing (3 cr.), or ENG 2051 - Introduction to Journalism (3 cr.), as a prerequisite.)
- ENG 4130 - The Form & Theory of Nonfiction **Credit(s): 3** (Note: It is recommended that one 3000-level writing course (3 cr.) be taken as a prerequisite.)
- ENV 2025 - Nature Photography **Credit(s): 3**
- BIO 3370 - Environmental Interpretation **Credit(s): 3**

Theme 3: Business

- ACC 2121 - Financial Accounting **Credit(s): 4**
- BUS 2015 - Fundamentals of Management in Business **Credit(s): 3**

- BUS 2210 - Small Business Management **Credit(s): 3**
- BUS 2230 - Principles of Marketing **Credit(s): 3**
- BUS 3131 - Business Law I **Credit(s): 3**

Total: 56-65 credits

** These courses also fulfill requirements in the Environmental Science, Health Sciences, Outdoor Education and Wellness & Alternative Medicine programs.*

+ These courses also fulfill the General Education Curriculum requirements.

Secondary Teaching License in Science

Students pursuing licensure endorsement to teach science in grades 7-12 must successfully complete one of the approved majors for this endorsement (the Biology: Field Naturalist (B.A.) - J, Biology (B.S.): Pre-Medical concentration - J, Health Sciences (B.S.): Health & Wellness Coaching Concentration - J, Environmental Science (B.S.): Environmental Analysis & Assessment concentration - J, or Environmental Science (B.S.): Environmental Policy & Advocacy concentration - J), as well as specific teacher-education coursework and requirements. Please refer to the Secondary Teacher License Endorsement - J section for details.

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* meet all other Degree Requirements, including the General Education Core Curriculum and NVU Graduation Standards.

Chemistry Minor - J

Required Courses

- CHE 1031 - General Chemistry I **Credit(s): 4**
- CHE 1032 - General Chemistry II **Credit(s): 4**
- CHE-XXXX Two additional upper-level CHE courses **Credit(s): 8**
- ENV 1110 - Introduction to Environmental Problems **Credit(s): 3**

Total: 19 credits

A chemistry minor is not permitted for students who are seeking a B.S. degree in biology.

Environmental Education Minor - J

Required Courses

- ENV 1050 - Introduction to Earth Science **Credit(s): 4**
- ENV 1110 - Introduction to Environmental Problems **Credit(s): 3**
- BIO 3370 - Environmental Interpretation **Credit(s): 3**

- ENV 4010 - Global Environmental Issues **Credit(s): 3**
- ENV-3XXX/4XXX One additional upper-level ENV course **Credit(s): 3**
- OER 3010 - Learning in the Outdoors **Credit(s): 4**

Total: 20 credits

Environmental Science (B.S.): Environmental Analysis & Assessment concentration - J

This research-based concentration of the B.S. in Environmental Science focuses more heavily on laboratory and field courses and prepares students for more technically orientated positions in the environmental field and for graduate programs in the sciences. Students conduct research in the field and in the laboratory and have the opportunity to present with faculty mentors at science events and professional conferences. **Students graduate with a B.S. in Environmental Science with a concentration in Environmental Analysis & Assessment.**

Learning Outcomes

The B.S. in Environmental Science concentrating in Environmental Analysis & Assessment seeks to produce graduates who can:

- Critically read, evaluate and synthesize information from relevant geological, biological and chemical literature related to environmental problems.
- Work individually and with others, to identify and evaluate environmental problems.
- Apply appropriate tools, analytical equipment and concepts from mathematics, physics, chemistry, geology and biology, including the use of computer software, to evaluate environmental problems.
- Observe and measure in the field and laboratory, the organic, inorganic and physical aspects of environmental problems while applying the methods of science.
- Design a research project to test hypotheses and draw conclusions based on knowledge of the science.
- Articulate, in oral, written and graphical form, assessments of environmental problems.

Environmental Science Programs at NVU-Johnson

Environmental science is an interdisciplinary field that provides an integrative and quantitative approach to the exploration of the biological, physical and societal aspects that govern the natural environment. The science faculty conduct research and provide instruction in ecology, meteorology, biology, chemistry, physics and geoscience. Lectures, laboratory work, fieldwork, internships and faculty-mentored student research prepare students for careers in private businesses, nonprofit organizations and government as well as graduate study. The fundamentals of science frame discussions of public policy and social action. All students are strongly encouraged to complete an internship in their area of interest. Graduates who successfully complete the required education courses for secondary licensure in addition to degree requirements become candidates for a license to teach science in grades 7-12.

Students in this major must complete the Environmental Sciences Core Curriculum as well as the requirements for one of the two concentrations: Environmental Analysis & Assessment or Environmental Policy & Advocacy.

Environmental Science Core Courses (NVU-J) (29 credits)

- BIO 1211 - Introduction to Biology: Ecology and Evolution **Credit(s): 4**
- BIO 1212 - Introduction to Biology: Cells and Genetic Basis **Credit(s): 4**

- BIO 2340 - Fundamentals of Ecology **Credit(s): 4**
- CHE 1031 - General Chemistry I **Credit(s): 4**
- CHE 1032 - General Chemistry II **Credit(s): 4**
- ENV 1050 - Introduction to Earth Science **Credit(s): 4**
- ENV 1110 - Introduction to Environmental Problems **Credit(s): 3**
- ENV 2210 - Current Topics in Science **Credit(s): 1** (1 of 2)
- ENV 2210 - Current Topics in Science **Credit(s): 1** (2 of 2)

Environmental Analysis & Assessment Concentration

Required Concentration Courses (15 credits)

- ENV 3310 - Applications in GIS **Credit(s): 4**
- ENV 4720 - Senior Thesis **Credit(s): 3** **OR**
- ENV 4810 - Internship in Environmental Science **Credit(s): 1-12** (Credit(s): 3)
- GEY 3120 - Field Geology **Credit(s): 4**
- PHY 2031 - Fundamental Physics I **Credit(s): 4**

Electives (choose 3 of the following):

- BIO 3280 - Environmental Toxicology **Credit(s): 4**
- CHE 3111 - Organic Chemistry I **Credit(s): 4**
- CHE 3112 - Organic Chemistry II **Credit(s): 4**
- ENV 2910 - Independent Study in Environmental Science **Credit(s): 1-12** (Credit(s): 3) **OR**
- ENV 4910 - Independent Study in Environmental Science **Credit(s): 1-12**
- ENV 3130 - Environmental Geology **Credit(s): 4**
- ENV 3240 - Fundamentals of Soil Science **Credit(s): 4**
- ENV 3250 - Meteorology & Climatology **Credit(s): 4**
- ENV 3260 - Global Climate Change **Credit(s): 3**
- ENV 3400 - Advanced GIS: Spatial Modeling **Credit(s): 4**
- GEY 3110 - Hydrogeology **Credit(s): 4**
- PHY 2032 - Fundamental Physics II **Credit(s): 4**

Total: 54-56 credits

Secondary Teaching License in Science

Students pursuing licensure endorsement to teach science in grades 7-12 must successfully complete one of the approved majors for this endorsement (the Biology: Field Naturalist (B.A.) - J, Biology (B.S.): Pre-Medical concentration - J, Health Sciences (B.S.): Health & Wellness Coaching Concentration - J, Environmental Science (B.S.): Environmental Analysis & Assessment concentration - J, or Environmental Science (B.S.): Environmental Policy & Advocacy concentration - J), as well as specific teacher-education coursework and requirements. Please refer to the Secondary Teacher License Endorsement - J section for details.

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* meet all other Degree Requirements, including the General Education Core Curriculum and NVU Graduation Standards.

Environmental Science (B.S.): Environmental Policy & Advocacy concentration - J

The Environmental Policy & Advocacy concentration of the B.S. in Environmental Science is designed to create tomorrow's leaders in the development of public policy and the management of natural resources. Through coursework, research and a recommended internship, students develop analytical skills and explore current topics in energy, ecology, climatology, water resources and more. **Students graduate with a B.S. in Environmental Science with a concentration in Environmental Policy & Advocacy.**

Learning Outcomes

The B.S. in Environmental Science concentrating in Environmental Analysis & Assessment seeks to produce graduates who can:

- Critically read, evaluate and synthesize information from relevant geological, biological and chemical literature related to environmental problems.
- Work individually and with others, to identify and evaluate environmental problems.
- Apply appropriate tools, analytical equipment and concepts from mathematics, physics, chemistry, geology and biology, including the use of computer software, to evaluate environmental problems.
- Observe and measure, in the field and laboratory, the organic, inorganic and physical aspects of environmental problems while applying the methods of science.
- Design a research project to test hypotheses and draw conclusions based on science knowledge.
- Articulate in oral, written and graphical form assessments of environmental problems.

Environmental Science Programs at NVU-Johnson

Environmental science is an interdisciplinary field that provides an integrative and quantitative approach to the exploration of the biological, physical and societal aspects that govern the natural environment. The science faculty conduct research and provide instruction in ecology, meteorology, biology, chemistry, physics and geoscience. Lectures, laboratory work, fieldwork, internships and faculty-mentored student research prepare students for careers in private businesses, nonprofit organizations and government as well as graduate study. The fundamentals of science frame discussions of public policy and social action. All students are strongly encouraged to complete an internship in their area of interest. Graduates who successfully complete the required education courses for secondary licensure in addition to degree requirements become candidates for a license to teach science in grades 7-12.

Students in this major must complete the Environmental Sciences Core Curriculum as well as the requirements for one of the two concentrations: Environmental Analysis & Assessment or Environmental Policy & Advocacy.

Environmental Science Core Courses (NVU-J) (29 credits)

- BIO 1211 - Introduction to Biology: Ecology and Evolution **Credit(s): 4**
- BIO 1212 - Introduction to Biology: Cells and Genetic Basis **Credit(s): 4**
- BIO 2340 - Fundamentals of Ecology **Credit(s): 4**

- CHE 1031 - General Chemistry I **Credit(s): 4**
- CHE 1032 - General Chemistry II **Credit(s): 4**
- ENV 1050 - Introduction to Earth Science **Credit(s): 4**
- ENV 1110 - Introduction to Environmental Problems **Credit(s): 3**
- ENV 2210 - Current Topics in Science **Credit(s): 1 (1 of 2)**
- ENV 2210 - Current Topics in Science **Credit(s): 1 (2 of 2)**

Environmental Policy & Advocacy Concentration

Required Concentration Courses (23 credits)

- ECO 2060 - Survey of Economics **Credit(s): 4**
- ENV 3030 - Water Resources **Credit(s): 3**
- ENV 3040 - Energy & Mineral Resources **Credit(s): 3**
- ENV 3250 - Meteorology & Climatology **Credit(s): 4**
- ENV 4730 - Senior Seminar **Credit(s): 3 OR**
- ENV 4720 - Senior Thesis **Credit(s): 3**
- POS 1020 - American Politics and Government **Credit(s): 3 OR**
- POS 1010 - Introduction to Political Science **Credit(s): 3**
- POS 3050 - Environmental Ethics & Politics **Credit(s): 3**

Electives (6-8 credits):

(Choose two courses)

- ENV 2910 - Independent Study in Environmental Science **Credit(s): 1-12 (Credit(s): 3) OR**
- ENV 4910 - Independent Study in Environmental Science **Credit(s): 1-12 (Credit(s): 3)**
- ENV 3010 - Land Use Planning **Credit(s): 3**
- ENV 3020 - Environmental Law **Credit(s): 3**
- ENV 3130 - Environmental Geology **Credit(s): 4**
- ENV 3150 - Toxic & Solid Waste Management **Credit(s): 3**
- ENV 3230 - National Parks & Wilderness Management **Credit(s): 3**
- ENV 3260 - Global Climate Change **Credit(s): 3**
- ENV 3310 - Applications in GIS **Credit(s): 4**
- ENV 3400 - Advanced GIS: Spatial Modeling **Credit(s): 4**
- ENV 4810 - Internship in Environmental Science **Credit(s): 1-12 (Credit(s): 3)**
- GEY 3120 - Field Geology **Credit(s): 4**

Total: 58-60 credits

Secondary Teaching License in Science

Students pursuing licensure endorsement to teach science in grades 7-12 must successfully complete one of the approved majors for this endorsement (the Biology: Field Naturalist (B.A.) - J, Biology (B.S.): Pre-Medical concentration - J, Health Sciences (B.S.): Health & Wellness Coaching Concentration - J, Environmental Science (B.S.): Environmental Analysis & Assessment concentration - J, or Environmental Science (B.S.): Environmental Policy & Advocacy concentration - J), as well as specific teacher-education coursework and requirements. Please refer to the Secondary Teacher License Endorsement - J section for details.

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* meet all other Degree Requirements, including the General Education Core Curriculum and NVU Graduation Standards.

Environmental Science Minor - J

The minor in environmental science provides sufficient background knowledge for students to comprehend the fundamentals of the science that frames the discussion for policy decisions and social action. The minor is appropriate for students who choose to major in business, economics, political science, biology, outdoor education or other majors offered at NVU-Johnson.

Required Courses

- ENV 1050 - Introduction to Earth Science **Credit(s): 4**
- ENV 1110 - Introduction to Environmental Problems **Credit(s): 3**
- ENV 3030 - Water Resources **Credit(s): 3**
- ENV 3040 - Energy & Mineral Resources **Credit(s): 3**
- ENV-3XXX/4XXX Two additional upper-level ENV courses **Credit(s): 6**

Total: 19 credits

Health Sciences (B.S.): Health & Wellness Coaching Concentration - J

Students majoring in Health Sciences at NVU-Johnson choose one of two concentrations: Health Sciences (B.S.): Health & Wellness Coaching concentration or Health Sciences (B.S.): Pre-Professional Health Science concentration. Students graduate with a B.S. in Health Sciences with a concentration in one of these specialties.

The major is designed for students wishing to pursue careers in health and wellness and the allied health fields. It trains students in the basic sciences, including biology, chemistry, anatomy and physiology; assessment of health status; the disease process; nutrition and fitness; and the scientific method. Graduates are prepared for a variety of career options as well as graduate study (which is required for students pursuing careers as physical therapists, physician assistants, occupational therapists and similar fields). In addition, with the current increases in lifestyle-related disease and the growing elderly population, graduates will be poised to take advantage of new prospects in the health field.

Learning Outcomes

The B.S. in Health Sciences seeks to produce graduates who:

- Demonstrate through both speaking and writing an understanding of biological, physical and social sciences related to contemporary health issues.

- Use both qualitative and quantitative methods to appraise risk factors and health status in diverse populations, and then design safe and effective programs to target these factors in healthy and diseased populations.
- Possess in-depth understanding of the scientific method and the ability to accurately interpret and apply scientific findings related to the human body, health, and disease.

Learning outcomes specific to the Health & Wellness Coaching Concentration

- Students will possess the knowledge and skills necessary for careers in personal training, corporate health/wellness, community health education, and health/wellness counseling.
- Students will be well-prepared for examinations leading to nationally recognized Health & Wellness Coaching certifications.

Health Sciences Core Curriculum (NVU-J) (22 credits)

- AHS 1010 - Contemporary Health Issues **Credit(s): 3**
- AHS 1340 - First Aid and CPR **Credit(s): 1**
- AHS 2370 - Fundamentals of Nutrition **Credit(s): 3**
- BIO 2011 - Human Anatomy & Physiology I **Credit(s): 4**
- BIO 2012 - Human Anatomy and Physiology II **Credit(s): 4**
- PSY 1010 - Introduction to Psychology **Credit(s): 3**
- SCI 2270 - Student Knowledge Improvement and Leadership Learning Seminar (SKILLS) **Credit(s): 1** (Taken twice)
- ENV 2210 - Current Topics in Science **Credit(s): 1** (Taken twice)

Health & Wellness Coaching Concentration

Required Concentration Courses

- AHS 2350 - Physical Activity in Health and Disease **Credit(s): 3**
- AHS 2360 - Introduction to Food Science **Credit(s): 3**
- AHS 2480 - Introduction to Wellness Coaching **Credit(s): 3**
- AHS 4025 - Health Behavior: Change & Adherence **Credit(s): 3**
- AHS 4110 - Psychophysiology of Stress **Credit(s): 3**
- BIO 1210 - Introduction to Biology **Credit(s): 4**
- BIO 3180 - Nutrition **Credit(s): 3**
- CHE 1055 - General, Organic and Biochemistry **Credit(s): 4**
- SOC 1010 - Introduction to Sociology (J) **Credit(s): 3**
- AHS 4810 - Internship in Allied Health Science **Credit(s): 1-12** (Credit(s): 3) **OR**
- AHS 4911 - Senior Research **Credit(s): 3**

Electives (6-8 credits):

- AHS 1080 - Lifetime Fitness **Credit(s): 1**
- AHS 3043 - Care & Prevention of Athletic Injuries **Credit(s): 4**
- AHS 3050 - Introduction to Pharmacology **Credit(s): 3**
- AHS 3230 - Physiology of Exercise **Credit(s): 4**
- BIO 3125 - Biological Chemistry **Credit(s): 4**

- BIO 3130 - Cellular Biology: A Molecular Approach **Credit(s): 4**
- BIO 3140 - Introduction to Microbiology **Credit(s): 4**
- CHE 1032 - General Chemistry II **Credit(s): 4**
- CHE 3111 - Organic Chemistry I **Credit(s): 4**
- PHY 2031 - Fundamental Physics I **Credit(s): 4**
- PHY 2032 - Fundamental Physics II **Credit(s): 4**
- PSY 2070 - Developmental Psychology **Credit(s): 3**
- PSY 3070 - Abnormal Psychology **Credit(s): 3**

Total: 57-59 credits

Important Note: To remain in this program, students must achieve a minimum cumulative GPA of 3.0 after completion of four semesters, plus at least a 3.0 GPA in the following courses:

BIO 2011 Anatomy & Physiology I (4 cr.)

BIO 2012 Anatomy & Physiology II (4 cr.)

BIO 1211 Introduction to Biology: Ecology & Evolution (4 cr.)

BIO 1212 Introduction to Biology: Cells and Genetic Basis of Life (4 cr.)

Graduate Study Advisory

Some graduate programs may have admission requirements as noted below that are not included in this program of study (e.g., see below). Electives should be identified early in the degree program and in discussion with an advisor about academic and career goals.

- **Doctor of Physical Therapy (DPT) programs sometimes require the following additional prerequisites:**
 - One additional psychology course (PSY 2070 or PSY 3070 recommended)
- **Doctor of Chiropractic programs often require the following additional prerequisite:**
 - CHE 3111 - Organic Chemistry I
- **Physician's Assistant (PA) graduate programs often require the following prerequisites:**
 - Two semesters of 4-credit advanced biology courses (3000- or 4000-level). Replacement of PHY 2031 - Fundamentals Physics I and PHY 2032 - Fundamentals Physics II with these courses is recommended for those interested in PA programs.

Secondary Teaching License in Science

Students pursuing licensure endorsement to teach science in grades 7-12 must successfully complete one of the approved majors for this endorsement (the Biology: Field Naturalist (B.A.) - J, Biology (B.S.): Pre-Medical concentration - J, Health Sciences (B.S.): Health & Wellness Coaching Concentration - J, Environmental Science (B.S.): Environmental Analysis & Assessment concentration - J, or Environmental Science (B.S.): Environmental Policy & Advocacy concentration - J), as well as specific teacher-education coursework and requirements. Please refer to the Secondary Teacher License Endorsement - J section for details.

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* meet all other Degree Requirements, including the General Education Core Curriculum and NVU Graduation Standards.

Health Sciences (B.S.): Pre-Professional Health Studies - J

Students majoring in Health Sciences at NVU-Johnson choose one of two concentrations: Health Sciences (B.S.): Health & Wellness Coaching concentration or Health Sciences (B.S.): Pre-Professional Health Science concentration. Students graduate with a B.S. in Health Sciences with a concentration in one of these specialties.

The major is designed for students wishing to pursue careers in health and wellness and the allied health fields. It trains students in the basic sciences, including biology, chemistry, anatomy and physiology; assessment of health status; the disease process; nutrition and fitness; and the scientific method. Graduates are prepared for a variety of career options as well as graduate study (which is required for students pursuing careers as physical therapists, physician assistants, occupational therapists and similar fields). In addition, with the current increases in lifestyle-related disease and the growing elderly population, graduates will be poised to take advantage of new prospects in the health field.

Learning Outcomes

The B.S. in Health Sciences seeks to produce graduates who:

- Demonstrate through both speaking and writing an understanding of biological, physical and social sciences related to contemporary health issues.
- Use both qualitative and quantitative methods to appraise risk factors and health status in diverse populations, and then design safe and effective programs to target these factors in healthy and diseased populations.
- Possess in-depth understanding of the scientific method and the ability to accurately interpret and apply scientific findings related to the human body, health, and disease.

Learning outcomes specific to the Pre-Professional Health Studies Concentration

- Students will have the knowledge and skills for entry into graduate programs in nutrition, nursing, occupational therapy, physical therapy, and physician assistance, and related allied health disciplines.

Health Sciences Core Curriculum (NVU-J) (22 credits)

- AHS 1010 - Contemporary Health Issues **Credit(s): 3**
- AHS 1340 - First Aid and CPR **Credit(s): 1**
- AHS 2370 - Fundamentals of Nutrition **Credit(s): 3**
- BIO 2011 - Human Anatomy & Physiology I **Credit(s): 4**
- BIO 2012 - Human Anatomy and Physiology II **Credit(s): 4**
- PSY 1010 - Introduction to Psychology **Credit(s): 3**
- SCI 2270 - Student Knowledge Improvement and Leadership Learning Seminar (SKILLS) **Credit(s): 1** (Taken twice)
- ENV 2210 - Current Topics in Science **Credit(s): 1** (Taken twice)

Pre-Professional Health Studies Concentration (36 Credits)

Required Concentration Courses

- AHS 4025 - Health Behavior: Change & Adherence **Credit(s): 3**
- AHS 4110 - Psychophysiology of Stress **Credit(s): 3**
- CHE 1031 - General Chemistry I **Credit(s): 4**
- BIO 1212 - Introduction to Biology: Cells and Genetic Basis **Credit(s): 4**
- BIO 1211 - Introduction to Biology: Ecology and Evolution **Credit(s): 4**

- CHE 1032 - General Chemistry II **Credit(s): 4**
- MAT 2021 - Statistics **Credit(s): 3**
- PHY 2031 - Fundamental Physics I **Credit(s): 4**
- PHY 2032 - Fundamental Physics II **Credit(s): 4**

- AHS 4810 - Internship in Allied Health Science **Credit(s): 1-12 (Credit(s): 3) OR**
- AHS 4911 - Senior Research **Credit(s): 3**

Electives (6-8 credits)

(Complete 6 to 8 credits)

- AHS 2130 - Strength & Conditioning **Credit(s): 3**
- AHS 3043 - Care & Prevention of Athletic Injuries **Credit(s): 4**
- AHS 3050 - Introduction to Pharmacology **Credit(s): 3**
- AHS 3230 - Physiology of Exercise **Credit(s): 4**
- BIO 3125 - Biological Chemistry **Credit(s): 4**
- BIO 3130 - Cellular Biology: A Molecular Approach **Credit(s): 4** (offered every 3 years)
- BIO 3140 - Introduction to Microbiology **Credit(s): 4** (offered every 3 years)
- CHE 3111 - Organic Chemistry I **Credit(s): 4**
- PSY 2070 - Developmental Psychology **Credit(s): 3**
- PSY 3070 - Abnormal Psychology **Credit(s): 3**

Total: 64-66 credits

Medical School Admission Requirements (NVU-J)

Students who intend to apply to medical school after completing their B.S. in Health Sciences at NVU-Johnson should take these standard prerequisite courses as well:

- BIO 1210 - Introduction to Biology **Credit(s): 4**
- BIO 1211 - Introduction to Biology: Ecology and Evolution **Credit(s): 4**
- BIO 1212 - Introduction to Biology: Cells and Genetic Basis **Credit(s): 4**
- CHE 1031 - General Chemistry I **Credit(s): 4**
- CHE 1032 - General Chemistry II **Credit(s): 4**
- CHE 3111 - Organic Chemistry I **Credit(s): 4**
- CHE 3112 - Organic Chemistry II **Credit(s): 4**
- PHY 2031 - Fundamental Physics I **Credit(s): 4**
- PHY 2032 - Fundamental Physics II **Credit(s): 4**

Some medical schools also require or recommend the following:

- BIO 3125 - Biological Chemistry **Credit(s): 4**
- BIO 3220 - Genetics **Credit(s): 4**
- MAT 1531 - Calculus I **Credit(s): 4**

Secondary Teaching License in Science

Students pursuing licensure endorsement to teach science in grades 7-12 must successfully complete one of the approved majors for this endorsement (the Biology: Field Naturalist (B.A.) - J, Biology (B.S.): Pre-Medical concentration - J, Health Sciences (B.S.): Health & Wellness Coaching Concentration - J, Environmental Science (B.S.): Environmental Analysis & Assessment concentration - J, or Environmental Science (B.S.): Environmental Policy & Advocacy concentration - J), as well as specific teacher-education coursework and requirements. Please refer to the Secondary Teacher License Endorsement - J section for details.

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* meet all other Degree Requirements, including the General Education Core Curriculum and NVU Graduation Standards.

Outdoor Education, Leadership, and Tourism (B.S.): Adventure Education Concentration - J

NVU OELT Core Courses

31-33 Credits

- ENV 1110 - Introduction to Environmental Problems **Credit(s): 3 OR**
- ENV 2090 - Sustainable Living **Credit(s): 3**

- OEL 1010 - Leisure and Tourism in Society **Credit(s): 3**
- OEL 1080 - Leadership and Small Group Dynamics **Credit(s): 3**
- OEL 1810 - Outdoor Education Practicum **Credit(s): 3**
- OEL 2720 - OELT Internship Seminar **Credit(s): 1**

- OEL 3010 - Learning in the Outdoors **Credit(s): 4 OR**
- OEL 3020 - Program and Event Planning **Credit(s): 3**

- OEL 3030 - Outdoor Program Planning & Administration **Credit(s): 3 OR**
- OEL 4020 - Management in Mountain Recreation Services **Credit(s): 3**

- OEL 4740 - Research and Evaluation Capstone **Credit(s): 4**
- OEL 4810 - Internship in Outdoor Education, Leadership, and Tourism **Credit(s): 6-15**
- PSY 1010 - Introduction to Psychology **Credit(s): 3**

Adventure Education Concentration

- BUS 1210 - Business Software and Spreadsheets **Credit(s): 3**
- OEL 1000 - Introduction to Outdoor Education **Credit(s): 3**
- OEL 2060 - Wilderness First Responder **Credit(s): 3**
- OEL 2900 - Outdoor Expedition **Credit(s): 1-4**
- OEL 3070 - Adventure Education Theory and Practice **Credit(s): 3**
- OEL 3240 - Backcountry Leadership **Credit(s): 3**
- OEL 3850 - Adventure Programming **Credit(s): 4**

Outdoor Skills Courses

Take 8 credits from the following Outdoor Skills Courses:

- OEL 1121 - Fundamentals of Rock Climbing **Credit(s): 2**
- OEL 1122 - Fundamentals of Mountain Biking **Credit(s): 1**
- OEL 1123 - Fundamentals of Canoeing **Credit(s): 1**
- OEL 1125 - Fundamentals of Kayaking **Credit(s): 1**
- OEL 1126 - Fundamentals of Ice Climbing **Credit(s): 1**
- OEL 1127 - Fundamentals of Alpine Climbing **Credit(s): 1**
- OEL 1128 - Level I Avalanche and Companion Rescue **Credit(s): 2**
- OEL 2121 - Advanced Single Pitch Rock Climbing **Credit(s): 3**
- OEL 2122 - Advanced Mountain Biking **Credit(s): 2**
- OEL 2123 - Advanced Canoeing **Credit(s): 2**
- OEL 2125 - Advanced Kayaking **Credit(s): 2**
- OEL 2126 - Advanced Ice Climbing **Credit(s): 2**
- OEL 2127 - Advanced Alpine Climbing **Credit(s): 2**
- OEL 2128 - Level II Avalanche **Credit(s): 2**
- OEL 3121 - Advanced Rock Climbing and Rescue **Credit(s): 3**

Outdoor Education, Leadership, and Tourism (B.S.): Environmental Education Concentration - J

NVU OELT Core Courses

31-33 Credits

- ENV 1110 - Introduction to Environmental Problems **Credit(s): 3 OR**
- ENV 2090 - Sustainable Living **Credit(s): 3**

- OEL 1010 - Leisure and Tourism in Society **Credit(s): 3**
- OEL 1080 - Leadership and Small Group Dynamics **Credit(s): 3**
- OEL 1810 - Outdoor Education Practicum **Credit(s): 3**
- OEL 2720 - OELT Internship Seminar **Credit(s): 1**

- OEL 3010 - Learning in the Outdoors **Credit(s): 4 OR**
- OEL 3020 - Program and Event Planning **Credit(s): 3**

- OEL 3030 - Outdoor Program Planning & Administration **Credit(s): 3 OR**
- OEL 4020 - Management in Mountain Recreation Services **Credit(s): 3**

- OEL 4740 - Research and Evaluation Capstone **Credit(s): 4**
- OEL 4810 - Internship in Outdoor Education, Leadership, and Tourism **Credit(s): 6-15**
- PSY 1010 - Introduction to Psychology **Credit(s): 3**

Environmental Education Concentration

- OEL 1000 - Introduction to Outdoor Education **Credit(s): 3**
- ENV 2050 - The Natural History of Vermont **Credit(s): 3 OR**
- BIO 2130 - Natural History of the Yellowstone Plateau **Credit(s): 3**
- PSY 2070 - Developmental Psychology **Credit(s): 3**
- BIO 1210 - Introduction to Biology **Credit(s): 4 OR**
- BIO 1211 - Introduction to Biology: Ecology and Evolution **Credit(s): 4**
- BIO 2340 - Fundamentals of Ecology **Credit(s): 4**
- ENV 1050 - Introduction to Earth Science **Credit(s): 4**
- ENV 3230 - National Parks & Wilderness Management **Credit(s): 3 OR**
- ENV 4010 - Global Environmental Issues **Credit(s): 3**

Field Course

Select one of the following courses:

- BIO 2145 - Plant Biology **Credit(s): 4**
- BIO 3320 - Ornithology **Credit(s): 4**
- BIO 4220 - Wildlife Ecology & Management **Credit(s): 4**
- GEY 3120 - Field Geology **Credit(s): 4**

Outdoor Education, Leadership, and Tourism (B.S.): Outdoor Program Management & Administration - J

NVU OELT Core Courses

31-33 Credits

- ENV 1110 - Introduction to Environmental Problems **Credit(s): 3 OR**
- ENV 2090 - Sustainable Living **Credit(s): 3**
- OEL 1010 - Leisure and Tourism in Society **Credit(s): 3**
- OEL 1080 - Leadership and Small Group Dynamics **Credit(s): 3**
- OEL 1810 - Outdoor Education Practicum **Credit(s): 3**
- OEL 2720 - OELT Internship Seminar **Credit(s): 1**
- OEL 3010 - Learning in the Outdoors **Credit(s): 4 OR**
- OEL 3020 - Program and Event Planning **Credit(s): 3**
- OEL 3030 - Outdoor Program Planning & Administration **Credit(s): 3 OR**
- OEL 4020 - Management in Mountain Recreation Services **Credit(s): 3**
- OEL 4740 - Research and Evaluation Capstone **Credit(s): 4**

- OEL 4810 - Internship in Outdoor Education, Leadership, and Tourism **Credit(s): 6-15**
- PSY 1010 - Introduction to Psychology **Credit(s): 3**

Outdoor Program Management & Administration Concentration

- OEL 1000 - Introduction to Outdoor Education **Credit(s): 3**
- BUS 1210 - Business Software and Spreadsheets **Credit(s): 3**
- BUS 2015 - Fundamentals of Management in Business **Credit(s): 3**
- BUS 2210 - Small Business Management **Credit(s): 3**
- BUS 2230 - Principles of Marketing **Credit(s): 3**
- BUS 2410 - Human Resource Management **Credit(s): 3 OR**
- BUS 3250 - Organizational Behavior & Management **Credit(s): 3**
- BUS 2280 - Introduction to Business Ethics **Credit(s): 3 OR**
- POS 3050 - Environmental Ethics & Politics **Credit(s): 3**
- OEL 2140 - Ropes Course Leadership **Credit(s): 3**
- OEL 3070 - Adventure Education Theory and Practice **Credit(s): 3**

Select one of the following courses:

- ACC 2121 - Financial Accounting **Credit(s): 4**
- BUS 3110 - Ski Area Management & Design **Credit(s): 3**
- BUS 3131 - Business Law I **Credit(s): 3**
- BUS 3440 - Ecotourism and Sustainability **Credit(s): 3**

Outdoor Skills Courses

Select two of the following Outdoor Skills Courses:

- OEL 1121 - Fundamentals of Rock Climbing **Credit(s): 2**
- OEL 1122 - Fundamentals of Mountain Biking **Credit(s): 1**
- OEL 1123 - Fundamentals of Canoeing **Credit(s): 1**
- OEL 1125 - Fundamentals of Kayaking **Credit(s): 1**
- OEL 1126 - Fundamentals of Ice Climbing **Credit(s): 1**
- OEL 1127 - Fundamentals of Alpine Climbing **Credit(s): 1**
- OEL 1128 - Level I Avalanche and Companion Rescue **Credit(s): 2**
- OEL 2121 - Advanced Single Pitch Rock Climbing **Credit(s): 3**
- OEL 2122 - Advanced Mountain Biking **Credit(s): 2**
- OEL 2123 - Advanced Canoeing **Credit(s): 2**
- OEL 2125 - Advanced Kayaking **Credit(s): 2**
- OEL 2126 - Advanced Ice Climbing **Credit(s): 2**
- OEL 2127 - Advanced Alpine Climbing **Credit(s): 2**
- OEL 2128 - Level II Avalanche **Credit(s): 2**
- OEL 3121 - Advanced Rock Climbing and Rescue **Credit(s): 3**

Outdoor Education, Leadership, and Tourism (B.S.): Therapeutic Wilderness & Adventure Programming - J

NVU OELT Core Courses

31-33 Credits

- ENV 1110 - Introduction to Environmental Problems **Credit(s): 3 OR**
- ENV 2090 - Sustainable Living **Credit(s): 3**

- OEL 1010 - Leisure and Tourism in Society **Credit(s): 3**
- OEL 1080 - Leadership and Small Group Dynamics **Credit(s): 3**
- OEL 1810 - Outdoor Education Practicum **Credit(s): 3**
- OEL 2720 - OELT Internship Seminar **Credit(s): 1**

- OEL 3010 - Learning in the Outdoors **Credit(s): 4 OR**
- OEL 3020 - Program and Event Planning **Credit(s): 3**

- OEL 3030 - Outdoor Program Planning & Administration **Credit(s): 3 OR**
- OEL 4020 - Management in Mountain Recreation Services **Credit(s): 3**

- OEL 4740 - Research and Evaluation Capstone **Credit(s): 4**
- OEL 4810 - Internship in Outdoor Education, Leadership, and Tourism **Credit(s): 6-15**
- PSY 1010 - Introduction to Psychology **Credit(s): 3**

Therapeutic Wilderness & Adventure Programming Concentration

- OEL 1000 - Introduction to Outdoor Education **Credit(s): 3**
- OEL 2060 - Wilderness First Responder **Credit(s): 3**
- OEL 2140 - Ropes Course Leadership **Credit(s): 3**
- OEL 2900 - Outdoor Expedition **Credit(s): 1-4**
- OEL 3070 - Adventure Education Theory and Practice **Credit(s): 3**
- OEL 3240 - Backcountry Leadership **Credit(s): 3**
- OEL 3850 - Adventure Programming **Credit(s): 4**
- PSY 2070 - Developmental Psychology **Credit(s): 3**
- PSY 2040 - Social Psychology **Credit(s): 3**

Upper Level Psychology Course

Select one of the following upper-level Psychology course:

- PSY 3010 - Theories of Personality **Credit(s): 3**
- PSY 3070 - Abnormal Psychology **Credit(s): 3**
- PSY 3330 - Psychology of Addictions **Credit(s): 3**

Wilderness Leadership Minor - J

Required Courses (20 credits)

- OEL 1000 - Introduction to Outdoor Education **Credit(s): 3**
 - OEL 1810 - Outdoor Education Practicum **Credit(s): 3**
 - OEL 2060 - Wilderness First Responder **Credit(s): 3**
 - OEL 2900 - Outdoor Expedition **Credit(s): 1-4**
 - OEL 3240 - Backcountry Leadership **Credit(s): 3**
 - OEL 3850 - Adventure Programming **Credit(s): 4**
- OEL 2060, OEL 2900, OEL 3240, and OEL 3850 are taken within a one semester immersion format.*

1 Credit of Skills Courses

Choice of:

- OEL 1121 - Fundamentals of Rock Climbing **Credit(s): 2**
- OEL 1122 - Fundamentals of Mountain Biking **Credit(s): 1**
- OEL 1123 - Fundamentals of Canoeing **Credit(s): 1**
- OEL 1125 - Fundamentals of Kayaking **Credit(s): 1**
- OEL 1126 - Fundamentals of Ice Climbing **Credit(s): 1**
- OEL 1127 - Fundamentals of Alpine Climbing **Credit(s): 1**
- OEL 1128 - Level I Avalanche and Companion Rescue **Credit(s): 2**
- OEL 1150 - Fundamentals of Backcountry Skiing and Riding **Credit(s): 1**
- OEL 2121 - Advanced Single Pitch Rock Climbing **Credit(s): 3**
- OEL 2122 - Advanced Mountain Biking **Credit(s): 2**
- OEL 2123 - Advanced Canoeing **Credit(s): 2**
- OEL 2125 - Advanced Kayaking **Credit(s): 2**
- OEL 2126 - Advanced Ice Climbing **Credit(s): 2**
- OEL 2127 - Advanced Alpine Climbing **Credit(s): 2**
- OEL 2128 - Level II Avalanche **Credit(s): 2**
- OEL 2140 - Ropes Course Leadership **Credit(s): 3**
- OEL 2150 - Advanced Backcountry Skiing and Riding **Credit(s): 2**

Total: 21 credits

Exercise Science - Lyndon

Katie Bouley, *Associate Professor*

Gregory Ledoux, *Associate Professor*

Aimee Pascale, *Assistant Professor*

Bachelor of Science in Exercise Science:

- Health Fitness - Strength and Conditioning
 - ACSM-EP
 - CSCS, NSCA-CPT
- Pre-Professional Athletic Training
- Pre-Professional Physical Therapy
- Individualized Program of Study (OT, PA, etc.)

National Accreditation and Recognition:

The Northern Vermont University-Lyndon (formally Lyndon State College) Department of Exercise Science holds national distinction as the 24th institution in the country to receive accreditation by the Commission on Accreditation of Allied Health Education Programs (2009-present) in coordination with the American College of Sports Medicine. The department is also recognized by the National Strength and Conditioning Association's Education Recognition Program (2005-present). NVU-Lyndon's Exercise Science program is one of very few institutions in the country to be both CAAHEP accredited and NSCA recognized, and is the only accredited Exercise Science program in Vermont or New Hampshire.

Program Mission Statement

The degree program in exercise science combines fundamental interdisciplinary study in the natural sciences and liberal arts with extensive laboratory, experiential, and professional internship practices. The mission of the department is to provide exceptional academic and professional preparation for careers in exercise science. Emphasis is placed upon the development of academic, practical, and critical skills needed for lifelong learning as advocates of health promotion, strength and conditioning, and disease/injury prevention and treatment.

Program Goals

Students completing undergraduate studies in the department of exercise science will emerge with the following outcomes:

- a foundation of knowledge in the natural sciences
- an understanding of the behavior of the human organism in causing, controlling and responding to movement
- a variety of career or post-secondary educational opportunities in exercise science
- the technological and practical skills to access and read scholarly materials in exercise science
- a demonstration of independent research

Program Assessment

Career tracks in exercise science offer strong experiential components via laboratory, practicum, and internship experience. The effectiveness of the departmental and program preparation and the objectives of completed internships are evaluated by faculty, student and internship supervisor.

An internship manual (pre-professional) outlines specific and detailed policies, procedures, and objectives for the student, the internship site coordinator, and the experience. An appendix of this manual includes documentation for the intern to self-evaluate and for the internship site coordinator to evaluate the readiness and professional preparation of the student intern for future professional experience.

Program of Study

Bachelor's degrees in exercise science consist of a core of primary courses, which all students in the department must complete. Career tracks allow students to select an area of concentration (see below). The core provides a solid foundation of knowledge in the natural and exercise sciences, while career track concentrations promote professional or personal career goals.

Concentrations

Health Fitness/Strength and Conditioning: Students prepare for careers involving (but not limited to) personal training, group fitness instruction, strength and conditioning of athletes, health and fitness education, disease prevention and rehabilitation, and fitness facility operation. Students in this concentration also prepare for national certification examinations to include the American College of Sports Medicine Certified Exercise Physiologist (ACSM-EP), National Strength and Conditioning Association Certified Strength and Conditioning Specialist (CSCS), and Certified Personal Trainer (NSCA-CPT). In addition, students may choose to apply for graduate study.

Pre-Professional Athletic Training: Students pursue a Bachelor's Degree in Exercise Science from Northern Vermont University-Lyndon and then make application to an athletic training graduate school of choice. Students who are accepted into a graduate program pursue a Master's degree in approximately 2 additional years of study, and are eligible for certification as an Athletic Trainer (ATC). Students in this concentration also prepare national certification examinations to include the National Strength and Conditioning Association Certified Strength and Conditioning Specialist (CSCS).

Pre-Professional Physical Therapy: Students pursue a Bachelor's Degree in Exercise Science from Northern Vermont University-Lyndon and then make application to a physical therapy graduate program of choice. Students who are accepted into a graduate program pursue a clinical doctorate in physical therapy (DPT) in approximately 3 additional years of study, and are eligible for licensure as a Physical Therapist. Students in this concentration also prepare for national certification examinations to include the American College of Sports Medicine Certified Exercise Physiologist (ACSM-EP).

Individualized Program of Study: This unique concentration area is reserved for students seeking advanced study in the field of Exercise Science, such as pre-professional occupational therapy*, pre-professional physician assistant, pre-professional nursing, and pre-professional dietetics. Students pursue a Bachelor's Degree in Exercise Science from Northern Vermont University-Lyndon and then make application to a graduate program of choice. Students who are accepted into a graduate program pursue an applicable graduate degree and licensure. Students in the individualized program of study concentration also prepare for one or more national certification examinations to include the American College of Sports Medicine Certified Exercise Physiologist (ACSM-EP), National Strength and Conditioning Association Certified Strength and Conditioning Specialist (CSCS), and/or Certified Personal Trainer (NSCA-CPT). Students work closely with their faculty advisor to create a proposed individualized program of study, which must be approved via department faculty vote prior to entering this concentration area.

**Doctor of Physical Therapy/Masters of Occupational Therapy Articulation Agreement: The NVU-Lyndon Department of Exercise Science is thrilled to announce our articulation agreement with Methodist University of North Carolina. In this regard, the top two graduating students, as voted by department faculty, in both pre-professional physical therapy and the individualized program of study (pre-professional occupational therapy) will be granted admission to the respective graduate programs at Methodist University (pending meeting all admissions criteria and a successful on-campus interview).*

It is important to note that graduate programs are highly competitive and obtaining an applicable undergraduate degree does not guarantee acceptance.

Exercise Science (XSC) concentration courses can only be transferred from other CAAHEP accredited Exercise Science programs (with matching course descriptions and credit load).

Requirements for the Bachelor of Science in Exercise Science

Computer Literacy Requirement: All students must demonstrate computer literacy in word processing, computer presentations, and spreadsheets. Demonstration of computer literacy may be accomplished by successful completion of classroom assignments.

Note: All students must have current First Aid and CPR certification before enrolling in practicum (XSC 3810, XSC 4130, XSC 4820) and internship (XSC 4810).

Exercise Science (B.S.) - L

Minimum required credits for the program: 64-70

Requirements for program (Core plus a Concentration)

Core: (41 credits)

Students majoring in Exercise Science are required to take MAT 1020 and MAT 2021 for the Mathematics and Computing in the World (NMCW) GECC requirement, and BIO 1212 (preferred) or BIO 1210 for the Natural & Physical Worlds (NNPW) GECC requirement. **All students in the B.S. in Exercise Science program must receive a grade of C- or higher in all program required courses to count toward the programmatic degree.**

- XSC 1090 - Introduction to Exercise Science **Credit(s): 3**
Advised Term 1st Year
- XSC 1255 - Fitness for Health and Performance **Credit(s): 3**
Advised Term 1st Year
- XSC 2050 - Human Gross Anatomy **Credit(s): 4**
Advised Term 2nd Year
- XSC 2055 - Human Physiology **Credit(s): 4**
Advised Term 2nd Year
- XSC 2111 - Care and Prevention of Injuries **Credit(s): 3**
Advised Term 2nd Year
- XSC 3120 - Kinesiology **Credit(s): 3**
Advised Term 3rd Year
- XSC 3150 - Physiology of Exercise **Credit(s): 4**
Advised Term 3rd Year
- XSC 4010 - Motor Learning and Control **Credit(s): 3**
Advised Term 3rd/4th Year
- XSC 4071 - Assessment of Exercise Science **Credit(s): 3**
Advised Term 3rd/4th Year
- XSC 4072 - Research Methods in Exercise Science **Credit(s): 3**
Advised Term 3rd/4th Year
- CHE 1031 - General Chemistry I **Credit(s): 4**
Advised Term 1st/2nd Year
- PHY 2031 - Fundamental Physics I **Credit(s): 4**
Advised Term 1st/2nd Year

Health Fitness - Strength and Conditioning Concentration: (28-29 credits)

Only 3 credits of XSC 4810 or XSC 4820 may be used to fulfill this concentration. XSC 4130 must be taken twice for a total of 4 credits.

- XSC 2060 - Sport and Exercise Psychology **Credit(s): 3**

- Advised Term 2nd Year
- XSC 3080 - Fundamentals of Personal Training **Credit(s): 3**
Advised Term 3rd Year
- XSC 3810 - Practicum in Exercise Science **Credit(s): 2 to 6**
Advised Term 3rd Year
- XSC 4080 - Fundamentals of Strength and Conditioning **Credit(s): 4**
Advised Term 4th Year
- XSC 4090 - Exercise Testing and Prescription **Credit(s): 4**
Advised Term 4th Year
- XSC 4130 - Practical Applications in Exercise Science **Credit(s): 2 (Must take twice for total of 4 credits.)**
Advised Term 4th Year
- XSC 4150 - Clinical Exercise Prescription **Credit(s): 3**
Advised Term 4th Year
- BIO 2060 - Nutrition for Health and Fitness **Credit(s): 3**
Advised Term 2nd Year

- XSC 4810 - Internship In Exercise Science **Credit(s): 3 to 12**
OR
- XSC 4820 - Advanced Practicum in Exercise Science **Credit(s): 2 to 6**
Advised Term 4th Year

Pre-Professional Athletic Training Concentration: (23 credits)

Exercise Science students in the Pre-Professional Athletic Training concentration are required to take PSY 1010 for their Being in the World: Society & Behavior (NBEW) GECC requirement.

Only 3 credits of XSC 4810 may be used to fulfill this concentration.

- XSC 2060 - Sport and Exercise Psychology **Credit(s): 3**
Advised Term 2nd Year
- XSC 2121 - Taping and Wrapping **Credit(s): 2**
Advised Term 2nd Year
- XSC 3010 - Foundations of Orthopedic Evaluation **Credit(s): 4**
Advised Term 3rd Year
- XSC 3015 - Advanced Seminar in Exercise Science **Credit(s): 1**
Advised Term 3rd Year
- XSC 3020 - Foundations of Therapeutic Interventions **Credit(s): 3**
Advised Term 3rd Year
- XSC 4080 - Fundamentals of Strength and Conditioning **Credit(s): 4**
Advised Term 4th Year
- XSC 4810 - Internship In Exercise Science **Credit(s): 3 to 12**
Advised Term 4th Year
- BIO 2060 - Nutrition for Health and Fitness **Credit(s): 3**
Advised Term 2nd Year

Pre-Professional Physical Therapy Concentration: (30 credits)

*This concentration satisfies most application requirements for advanced graduate study in Physical Therapy. Some graduate programs require Pre-Calculus and 6 credits of Psychology as prerequisites.

Exercise Science students in the Pre-Professional Physical Therapy concentration are required to take PSY 1010 or PSY 2070 for their Being in the World: Society & Behavior (NBEW) GECC requirement.

Only 3 credits of XSC 4810 may be used to fulfill this concentration. XSC 4130 must be taken twice for a total of 4 credits.

- XSC 3010 - Foundations of Orthopedic Evaluation **Credit(s): 4**
Advised Term 3rd Year
- XSC 3015 - Advanced Seminar in Exercise Science **Credit(s): 1**
Advised Term 3rd Year
- XSC 3020 - Foundations of Therapeutic Interventions **Credit(s): 3**
Advised Term 3rd Year
- XSC 4090 - Exercise Testing and Prescription **Credit(s): 4**
Advised Term 4th Year
- XSC 4130 - Practical Applications in Exercise Science **Credit(s): 2** (Must be taken twice for a total of 4 credits)
Advised Term 4th Year
- XSC 4150 - Clinical Exercise Prescription **Credit(s): 3**
Advised Term 4th Year
- XSC 4810 - Internship In Exercise Science **Credit(s): 3 to 12**
Advised Term 4th Year
- PHY 2032 - Fundamental Physics II **Credit(s): 4**
Advised Term 3rd Year

Individualized Program of Study Concentration: (23-25 credits)

This unique concentration area is reserved for students seeking advanced study in the field of Exercise Science, such as pre-professional occupational therapy, pre-professional physician assistant, pre-professional nursing, and pre-professional dietetics.

*This concentration satisfies most application requirements for advanced graduate study. Some graduate programs require additional pre-requisites.

In addition to the required courses below, complete 18 credits in Exercise Science. Your faculty advisor must approve all course selections. Only 3 credits of XSC 3810 or XSC 4820 may be used to fulfill this concentration.

- XSC 3810 - Practicum in Exercise Science **Credit(s): 2 to 6**
OR
- XSC 4810 - Internship In Exercise Science **Credit(s): 3 to 12**

And a minimum of one of the following national certification preparation courses:

- XSC 3080 - Fundamentals of Personal Training **Credit(s): 3**
- XSC 4080 - Fundamentals of Strength and Conditioning **Credit(s): 4**
- XSC 4150 - Clinical Exercise Prescription **Credit(s): 3**

Exercise Science - Pre-Professional Athletic Training PSU Fast Track

Minimum required credits for the program: 62

Students majoring in Exercise Science are required to take MAT 1020 and MAT 2021 for the Mathematics and Computing in the World (NMCW) GECC requirement, and BIO 1212 (preferred) or BIO 1210 for the Natural & Physical Worlds (NNPW) GECC requirement. All students in the B.S. in Exercise Science program must receive a C- or higher in all program required courses to

count toward the programmatic degree. In addition, students must have a cumulative GPA of at least 3.0 after the completion of 45 college credits at NVU.

Exercise Science students in the Pre-Professional Athletic Training PSU Fast Track concentration are required to take PSY 1010 for the Being in the World: Society & Behavior (NBEW) GECC requirement. Before transfer to PSU, students are expected to complete the NVU GECC and a minimum total of 100 credits.

Core: (41 Credits)

- XSC 1090 - Introduction to Exercise Science **Credit(s): 3**
- XSC 1255 - Fitness for Health and Performance **Credit(s): 3**
- XSC 2050 - Human Gross Anatomy **Credit(s): 4**
- XSC 2055 - Human Physiology **Credit(s): 4**
- XSC 2111 - Care and Prevention of Injuries **Credit(s): 3**
(**Note: Students in Pre-Professional Athletic Training PSU Fast Track concentration will take AT 5400, Preventative Theory & Psychomotor Skills**)
- XSC 3120 - Kinesiology **Credit(s): 3**
- XSC 3150 - Physiology of Exercise **Credit(s): 4**
- XSC 4010 - Motor Learning and Control **Credit(s): 3**
- XSC 4071 - Assessment of Exercise Science **Credit(s): 3**
- XSC 4072 - Research Methods in Exercise Science **Credit(s): 3**
- CHE 1031 - General Chemistry I **Credit(s): 4**
- PHY 2031 - Fundamental Physics I **Credit(s): 4**

Concentration - Pre-Professional Athletic Training PSU Fast Track (21 Credits)

- XSC 2060 - Sport and Exercise Psychology **Credit(s): 3**
- XSC 2121 - Taping and Wrapping **Credit(s): 2**
- XSC 3010 - Foundations of Orthopedic Evaluation **Credit(s): 4**
- XSC 3015 - Advanced Seminar in Exercise Science **Credit(s): 1**
- XSC 3020 - Foundations of Therapeutic Interventions **Credit(s): 3**
- XSC 3080 - Fundamentals of Personal Training **Credit(s): 3**
- XSC 3810 - Practicum in Exercise Science **Credit(s): 2 to 6**
- BIO 2060 - Nutrition for Health and Fitness **Credit(s): 3**

Exercise Science Minor - L

Minimum required credits for the minor: 21

Requirements for the minor

- XSC 1090 - Introduction to Exercise Science **Credit(s): 3**
- XSC 1255 - Fitness for Health and Performance **Credit(s): 3**
- XSC 2050 - Human Gross Anatomy **Credit(s): 4**
- XSC 2055 - Human Physiology **Credit(s): 4**

- XSC 3120 - Kinesiology **Credit(s): 3**
- XSC 3150 - Physiology of Exercise **Credit(s): 4**

Fine & Performing Arts - Johnson

Faculty/Staff

Fine Arts

Sean Clute, *Associate Professor*

Kenneth Leslie, *Professor, Department Chair*

Mary Martin, *Associate Professor*

John Miller, *Professor*

Performing Arts

Isaac Eddy, *Assistant Professor, Department Chair (Spring 2019)*

Bethany Plissey, *Assistant Professor, Department Chair (Fall 2018)*

Justin Rito, *Assistant Professor*

Maris Wolff, *Professor*

Administrative Assistant: Loretta "Lori" Biamonte

The Northern Vermont University-Johnson Department of Fine & Performing Arts offers a variety of programs taught by talented, accomplished professionals. Fine arts programs are headquartered in the Visual Arts Center (fully renovated in 2012); performing arts programs are housed in the Dibden Center for the Arts.

Fine arts students work in a variety of disciplines, including drawing, painting, sculpture, printmaking, photography, digital media, ceramics and woodworking; art history courses provide a critical and historical perspective for assessing their work. Students in the B.F.A. programs must complete at least three semesters of studio work and present an exhibition and gallery talk during their final year of study.

Performing Arts students master their crafts under practicing professionals and have numerous opportunities to perform throughout the year in NVU-Johnson productions and ensembles. An audition is required for all students considering a major in music and/or musical theater; students must submit a recorded audition (or a link to an online recording of their work) with supporting materials in addition to the standard college application for admissions. (See northernvermont.edu/auditions-guidelines for details.) This process is specifically for music and musical theater majors and will not preclude a student from admission into NVU-Johnson.

In addition, all music, music education and musical theater majors must pass the keyboard proficiency exam specific to their major. The exam is held during the final weeks of each semester on the same day as end-of-semester juries, and students may sign up for the exam two weeks prior to that date. Students should contact their academic advisor for more information.

Proficiencies, Juries & Praxis Exam Schedule

Students must complete 6 to 10 credits, depending on their area of concentration, in one primary voice or instrument. This is the instrument utilized for juries and the senior recital.

First Year	Jury in spring only
Second Year	Jury in both fall and spring Piano proficiency exam at end of spring semester as part of keyboard courses Music education majors should take the Praxis exam as soon as they have finished the JSC math requirements (spring of year 2 is recommended)
Third Year	Jury in both fall and spring
Prior to Student Teaching (music education majors)	All course requirements, recitals, the pre-student teaching portfolio and the Praxis Core exam must be completed. In addition, students must have a total GPA of a 3.00 or higher or have received certification of academic competence from the Provost.

Programs

Majors & Concentrations

- Art (B.A.) - J
- Fine Woodworking and Furniture Design (A.A.) - J
- Fine Woodworking and Furniture Design (B.F.A.) - J
- Media Arts (B.A.) - J
- Media Arts (B.F.A.) - J
- Music (B.A.): Composition concentration - J
- Music (B.A.): Creative Pathways concentration - J
- Music (B.A.): Instrumental Performance concentration - J
- Music (B.A.): Vocal Performance concentration - J
- Music Education (B.M.E.) - J
- Musical Theater (B.A.) - J
- Studio Arts (B.F.A.) - J
- Technical Theater (A.A.) - J
- Theater & Drama (B.A.) - J

Minors

- Art History Minor - J
- Arts Management Minor (for Fine & Performing Arts majors) - J
- Dance Minor - J

- Music Minor - J
- Studio Arts Minor - J
- Theater Minor - J

The Northern Vermont University-Johnson Department of Fine & Performing Arts offers courses with the following designators: ARH (art history), ART (studio arts and art education), DAN (dance), MUS (music), and THA (theater arts). See full Course Descriptions. The department also offers a Master of Fine Arts Program in Studio Arts; refer to the NVU Graduate Catalog for more information.

Art (B.A.) - J

Within this program, students create work in a variety of disciplines, including drawing, painting, sculpture, printmaking, photography, digital media, ceramics and art history. The degree provides students with a critical and historical perspective for assessing their work.

Learning Outcomes for Art Majors

Graduating students should be able to:

1. Articulate informed and ideologically sound ideas about art, both historic and contemporary, and connect those ideas to the wider world.
2. Create artwork that is technically proficient and imbued with meaningful content.
3. Demonstrate a general understanding, ability and resourcefulness with a wide range of art media, as well as a deeper understanding of at least one medium such as drawing, painting, sculpture, photography, digital media or art history.
4. Have an openness to ideas other than their own and a willingness to take risks with their own work.
5. Have established regular studio practice, which will hopefully be lifelong, be aware of developing issues in their own work and know how to continue on their own in the pursuit of that vision, with strategies for maintaining self-awareness.

Required Core Courses (21 credits)

- ARH 2010 - Survey of Western Traditions in Art **Credit(s): 3**
- ARH 2060 - Survey of Non-Western Traditions in Art **Credit(s): 3**
- ART 1011 - Drawing I (L) **Credit(s): 3**
- ART 1140 - Design I **Credit(s): 3**
- ART 2110 - Introduction to Digital Media **Credit(s): 3**
- ART 2211 - Painting I (J) **Credit(s): 3**
- ART 2251 - Sculpture I (J) **Credit(s): 3**

Introductory Studio Electives (6 credits)

(Select two courses)

- ART 1231 - Ceramics I **Credit(s): 3**
- ART 2150 - Jewelry & Metalsmithing **Credit(s): 3**
- ART 2301 - Photography I (J) **Credit(s): 3**
- ART 2410 - Introduction to Printmaking **Credit(s): 3**

Advanced Art History & Studio* Electives (15 credits)

(Select five courses, including at least one from ARH and one from ART)

- ARH 3015 - Greek & Roman Art **Credit(s): 3**
- ARH 3020 - Art of the Renaissance **Credit(s): 3**
- ARH 3060 - Twentieth Century Art **Credit(s): 3**
- ARH 3110 - The Spiritual in Non-Western Art **Credit(s): 3**
- ARH 3120 - Art Criticism **Credit(s): 3**
- ARH 3130 - The History of Photography **Credit(s): 3**
- ARH 3140 - African Art **Credit(s): 3**
- ARH 3150 - Art of the Human Body **Credit(s): 3**
- ART 3031 - Life Drawing (J) **Credit(s): 3**
- ART 3032 - Advanced Drawing **Credit(s): 3**
- ART 3040 - Landscape Painting **Credit(s): 3**
- ART 3222 - Ceramics II **Credit(s): 3**
- ART 3314 - Advanced Printmaking **Credit(s): 3**
- ART 3320 - Monoprints **Credit(s): 3**
- ART 4007 - Graphic Novels **Credit(s): 3**
- ART 4020 - Advanced Digital Media **Credit(s): 3**
- ART 4040 - Advanced Photography **Credit(s): 3**
- ART 4050 - Advanced Painting **Credit(s): 3**
- ART 4060 - Advanced Digital: Graphic Design **Credit(s): 3**
- ART 4070 - Advanced Digital: Web Design for Artists **Credit(s): 3**
- ART 4110 - Visual Art & Performance **Credit(s): 3**
- ART 4130 - Advanced Sculpture **Credit(s): 3**

Required Capstone Course (3 credits)

- ARH 4720 - Seminar in Contemporary Art Issues **Credit(s): 3**

Total: 45 credits

Art Education (PreK-12) Teaching Endorsement at NVU-Johnson

Students pursuing a license to teach art in grades PreK-12 must complete either the Art (B.A.) - J or the Studio Arts (B.F.A.) - J as well as specific teacher-education coursework and requirements. Please refer to the Unified Arts Teacher License Endorsement - J section for details.

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* meet all other Degree Requirements, including the General Education Core Curriculum and NVU Graduation Standards.

Art History Minor - J

Required Courses (6 credits)

- ARH 2010 - Survey of Western Traditions in Art **Credit(s): 3**
- ARH 2060 - Survey of Non-Western Traditions in Art **Credit(s): 3**

Introductory Studio Electives (6 credits):

(Select two courses)

- ART 1011 - Drawing I (J) **Credit(s): 3**
- ART 1231 - Ceramics I **Credit(s): 3**
- ART 2110 - Introduction to Digital Media **Credit(s): 3**
- ART 2150 - Jewelry & Metalsmithing **Credit(s): 3**
- ART 2211 - Painting I (J) **Credit(s): 3**
- ART 2251 - Sculpture I (J) **Credit(s): 3**
- ART 2301 - Photography I (J) **Credit(s): 3**
- ART 2410 - Introduction to Printmaking **Credit(s): 3**

Advanced Art History Electives (9 credits):

(Select three courses)

- ARH 3015 - Greek & Roman Art **Credit(s): 3**
- ARH 3020 - Art of the Renaissance **Credit(s): 3**
- ARH 3060 - Twentieth Century Art **Credit(s): 3**
- ARH 3110 - The Spiritual in Non-Western Art **Credit(s): 3**
- ARH 3120 - Art Criticism **Credit(s): 3**
- ARH 3130 - The History of Photography **Credit(s): 3**
- ARH 3140 - African Art **Credit(s): 3**
- ARH 3210 - Women in Art **Credit(s): 3**
- ARH 4720 - Seminar in Contemporary Art Issues **Credit(s): 3**

Total: 21 credits

Arts Management Minor (for Fine & Performing Arts majors) - J

Required Courses

- ACC 2121 - Financial Accounting **Credit(s): 4**
- ACC 2122 - Managerial Accounting **Credit(s): 4**
- BUS 1210 - Business Software and Spreadsheets **Credit(s): 3**
- BUS 2015 - Fundamentals of Management in Business **Credit(s): 3**
- BUS 2230 - Principles of Marketing **Credit(s): 3**
- BUS 2410 - Human Resource Management **Credit(s): 3**
- ECO 2060 - Survey of Economics **Credit(s): 4**

Total: 24 credits

Dance Minor - J

The minor in dance exposes students to the vital aspects of the art as performers, creators and observers. Courses provide students with a conceptual, historical and technical background. Advanced students may become members of the NVU-Johnson Dance Ensemble, our student dance company or may have the opportunity to become an apprentice in the Vermont Dance Collective.

Required Courses

The dance minor consists of a minimum of 24 credits selected from the following courses:

- DAN 1010 - Fundamentals of Dance **Credit(s): 3**
- DAN 1111 - Modern Dance **Credit(s): 3**
- DAN 2010 - Folk Dance **Credit(s): 3**
- DAN 2030 - Improvisation/Composition: Intermediate/Advanced Level **Credit(s): 4**
- DAN 2131 - Ballet **Credit(s): 3**
- DAN 3020 - Intermediate Ballet: Technique & History **Credit(s): 3**
- DAN 3030 - Improvisation/Composition: Intermediate/Advanced Level **Credit(s): 4**
- DAN 3112 - Intermediate Modern Dance: Technique & History **Credit(s): 3**
- DAN 3130 - Jazz Dance **Credit(s): 3**
- DAN 4130 - Advanced Ballet/Modern Dance: Technique & History **Credit(s): 3**

Total: 24 credits

Fine Woodworking and Furniture Design (A.A.) - J

Fine Woodworking and Furniture Design Programs at NVU-Johnson

Students enrolled in NVU-Johnson's new Bachelor of Fine Arts or Associate of Arts in Fine Woodworking and Furniture Design take most of the courses in the major at the Vermont Woodworking School (VWS) in their 15,000 square foot, historic barn turned modern woodworking facility. The Vermont Woodworking School is located in Cambridge, about 20 minutes away from the NVU-Johnson campus, complete with state-of-the-art bench rooms, mill shops, a finish room, a 12-seat computer lab, a photo studio, common areas and galleries. Johnson students study in the same classes and with the same faculty as VWS's Immersion students. They are assigned a bench at the Vermont Woodworking School and participate in an average of 6 to 9 credits of their full 15-credit course load each semester. The remainder of their courses are completed at the NVU-Johnson campus.

Graduates of the A.A. and B.F.A. in Fine Woodworking and Furniture Design are prepared to go on to careers in the wood products industry including working for wood products manufacturers, small wood businesses, making and/or designing furniture, or in other fabrication industries. Both the A.A. and the B.F.A. equip students with skills using SolidWorks, CAD program, preparing graduates for design jobs in the wood industry and beyond. Graduates also go on to start their own furniture businesses.

Learning Outcomes for A.A. and B.F.A. Fine Woodworking and Furniture Design Majors:

1. Articulate informed and ideologically sound ideas about art, both historic and contemporary, and connect those ideas to the wider world.
2. Produce creative artwork that is technically proficient and imbued with meaningful content.

3. Demonstrate a general understanding, ability, and resourcefulness with a wide range of art media, as well as a deeper understanding of at least one medium such as drawing, painting, sculpture, photography, digital media, or art history.
4. Have an openness to ideas other than their own and a willingness to take risks with their own work.
5. Have established regular studio practice, which will hopefully be lifelong, be aware of developing issues in their own work, and know how to continue on their own in the pursuit of that vision, with strategies for maintaining self-awareness.
6. Be familiar with the professional art world, from the perspective of career options, including exhibition venues, graduate schools, and grant opportunities.
7. Assemble a professional portfolio.
8. Understand the mechanics of setting up a safe and functioning studio.
9. Know how to do a professional exhibition of their art, write about their art, and speak about their art at a public event.

Required Courses

Core Courses (30 credits)

- WFD 1010 - Foundations of Furniture Design I **Credit(s): 9**
- WFD 1020 - Design Studio I: Small Tables **Credit(s): 6**
- WFD 2010 - Foundations of Furniture Design II **Credit(s): 9**
- WFD 2020 - Design Studio II: Casework **Credit(s): 6**

Advanced Studio Courses (6 credits)

Students must take 6 credits of 3000/4000-level advanced NVU-Johnson studio courses.

Total: 36 credits

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* meet all other Degree Requirements, including the General Education Core Curriculum and NVU Graduation Standards.

Fine Woodworking and Furniture Design (B.F.A.) - J

Fine Woodworking and Furniture Design Programs at NVU-Johnson

Students enrolled in NVU-Johnson's new Bachelor of Fine Arts or Associate of Arts in Fine Woodworking and Furniture Design take most of the courses in the major at the Vermont Woodworking School (VWS) in their 15,000 square foot, historic barn turned modern woodworking facility. The Vermont Woodworking School is located in Cambridge, about 20 minutes away from the NVU-Johnson campus, complete with state-of-the-art bench rooms, mill shops, a finish room, a 12-seat computer lab, a photo studio, common areas and galleries. Johnson students study in the same classes and with the same faculty as VWS's Immersion students. They are assigned a bench at the Vermont Woodworking School and participate in an average of 6 to 9 credits of their full 15-credit course load each semester. The remainder of their courses are completed at the NVU-Johnson campus.

Graduates of the A.A. and B.F.A. in Fine Woodworking and Furniture Design are prepared to go on to careers in the wood products industry including working for wood products manufacturers, small wood businesses, making and/or designing furniture, or in other fabrication industries. Both the A.A. and the B.F.A. equip students with skills using SolidWorks, CAD

program, preparing graduates for design jobs in the wood industry and beyond. Graduates also go on to start their own furniture businesses.

Learning Outcomes for A.A. and B.F.A. Fine Woodworking and Furniture Design Majors:

1. Articulate informed and ideologically sound ideas about art, both historic and contemporary, and connect those ideas to the wider world.
2. Produce creative artwork that is technically proficient and imbued with meaningful content.
3. Demonstrate a general understanding, ability, and resourcefulness with a wide range of art media, as well as a deeper understanding of at least one medium such as drawing, painting, sculpture, photography, digital media, or art history.
4. Have an openness to ideas other than their own and a willingness to take risks with their own work.
5. Have established regular studio practice, which will hopefully be lifelong, be aware of developing issues in their own work, and know how to continue on their own in the pursuit of that vision, with strategies for maintaining self-awareness.
6. Be familiar with the professional art world, from the perspective of career options, including exhibition venues, graduate schools, and grant opportunities.
7. Assemble a professional portfolio.
8. Understand the mechanics of setting up a safe and functioning studio.
9. Know how to do a professional exhibition of their art, write about their art, and speak about their art at a public event.

Required Courses

Core Courses (63 credits)

- ARH 2010 - Survey of Western Traditions in Art **Credit(s): 3**
- ARH 2060 - Survey of Non-Western Traditions in Art **Credit(s): 3**
- ART 1011 - Drawing I (J) **Credit(s): 3**
- ART 1140 - Design I **Credit(s): 3**
- ART 2110 - Introduction to Digital Media **Credit(s): 3**
- ART 2211 - Painting I (J) **Credit(s): 3**
- ART 2251 - Sculpture I (J) **Credit(s): 3**
- WFD 1010 - Foundations of Furniture Design I **Credit(s): 9**
- WFD 1020 - Design Studio I: Small Tables **Credit(s): 6**
- WFD 2010 - Foundations of Furniture Design II **Credit(s): 9**
- WFD 2020 - Design Studio II: Casework **Credit(s): 6**
- WFD 2030 - Business Practice and Marketing for Artisans **Credit(s): 3**
- WFD 3010 - Thinking and Achieving Through Craft **Credit(s): 3**
- WFD 3020 - Design Studio III: Chairs **Credit(s): 6**

Advanced Studio Courses (6 credits)

Students must complete 6 credits of 3000/4000-level advanced studio electives at the NVU-Johnson campus.

Advanced Art History Courses (3 credits)

Students must complete 3 credits of 3000/4000-level advanced art history electives at the NVU-Johnson campus.

Senior Capstone Courses (12 credits)

- ARH 4720 - Seminar in Contemporary Art Issues **Credit(s): 3**
- WFD 4120 - Senior Project in Furniture Design **Credit(s): 6**
- WFD 4720 - Portfolio and Presentation **Credit(s): 3**

Total Credits: 84

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* meet all other Degree Requirements, including the General Education Core Curriculum and NVU Graduation Standards.

Media Arts (B.A.) - J

The B.A. in Media Arts will expose students to the full range of career opportunities through the media arts, with fewer credits than the B.F.A. in Media Arts. Students wanting to double-major might find this option more achievable. The B.A. in Media Arts will offer opportunities to explore the world of media and expression with emphases upon creative inquiry, collaboration, and adaptation to emerging technologies. Students will increase their familiarity with artistic and theoretical concepts associated with media and how it relates to many other academic disciplines.

Required Courses

Core Courses (18 credits)

- ARH 2010 - Survey of Western Traditions in Art **Credit(s): 3**
- ARH 2060 - Survey of Non-Western Traditions in Art **Credit(s): 3**
- ARH 3075 - History of Media Art **Credit(s): 3**
- ART 1011 - Drawing I (J) **Credit(s): 3**
- ART 1140 - Design I **Credit(s): 3**
- ART 2110 - Introduction to Digital Media **Credit(s): 3**

Studio Elective (3 credits)

(Choose one course)

- ART 2211 - Painting I (J) **Credit(s): 3**
- ART 2251 - Sculpture I (J) **Credit(s): 3**
- ART 2301 - Photography I (J) **Credit(s): 3**

Advanced Art History Elective (3 credits)

(Choose one course)

- ARH 3015 - Greek & Roman Art **Credit(s): 3**
- ARH 3020 - Art of the Renaissance **Credit(s): 3**
- ARH 3060 - Twentieth Century Art **Credit(s): 3**
- ARH 3110 - The Spiritual in Non-Western Art **Credit(s): 3**

- ARH 3120 - Art Criticism **Credit(s): 3**
- ARH 3130 - The History of Photography **Credit(s): 3**
- ARH 3140 - African Art **Credit(s): 3**
- ARH 3150 - Art of the Human Body **Credit(s): 3**
- ARH 3210 - Women in Art **Credit(s): 3**

Advanced Non-Media Studio Electives (3 credits)

(Choose one course)

- ART 3031 - Life Drawing (J) **Credit(s): 3**
- ART 3032 - Advanced Drawing **Credit(s): 3**
- ART 3040 - Landscape Painting **Credit(s): 3**
- ART 3222 - Ceramics II **Credit(s): 3**
- ART 3314 - Advanced Printmaking **Credit(s): 3**
- ART 3320 - Monoprints **Credit(s): 3**
- ART 4007 - Graphic Novels **Credit(s): 3**
- ART 4040 - Advanced Photography **Credit(s): 3**
- ART 4050 - Advanced Painting **Credit(s): 3**
- ART 4110 - Visual Art & Performance **Credit(s): 3**
- ART 4130 - Advanced Sculpture **Credit(s): 3**

Advanced Media Electives (12 credits)

(Choose four courses)

- ART 4020 - Advanced Digital Media **Credit(s): 3**
- ART 4025 - Advanced Digital Media: Documentary & Social Media **Credit(s): 3**
- ART 4060 - Advanced Digital: Graphic Design **Credit(s): 3**
- ART 4070 - Advanced Digital: Web Design for Artists **Credit(s): 3**
- ART 4075 - Advanced Digital: Animation & Motion Graphics **Credit(s): 3**
- ART 4080 - Advanced Digital Media: Intermedia **Credit(s): 3**
- ART 4150 - Advanced Digital: Video **Credit(s): 3**

Required Capstone Courses (6 credits)

- ARH 4720 - Seminar in Contemporary Art Issues **Credit(s): 3**
ART-XXXX Professional Skills for Media Artists (currently under development)

Total: 45 credits

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* meet all other Degree Requirements, including the General Education Core Curriculum and NVU Graduation Standards.

Media Arts (B.F.A.) - J

The B.F.A. in Media Arts offers opportunities to explore the expanding world of media and expression. Emphases include creative inquiry, collaboration and adaptation to emerging technologies. Courses include image processing, animation, video and new media. The program requires 60 credit hours in visual, performing or interdisciplinary-related coursework. Students begin with introductory courses intended to increase their familiarity with artistic and theoretical concepts associated with media and art. As students progress through the program, they are required to take more specialized courses. Seniors are required to create a B.F.A. thesis exhibition for public display. Once admitted into the B.F.A. program via their B.F.A. review, students must achieve grades of B- or higher in all ART and ARH courses.

This program includes lectures, lab hours, collaborative projects and public presentations. Students are immersed in the Media Arts Research Studio (MARS), which houses state-of-the-art hardware, software and printing services. Admission to the program (generally in the sophomore or junior year) must be followed by a minimum of three semesters of studio work before the thesis exhibition. A student is admitted into the program only upon recommendation by the studio arts faculty and approval by the chairperson, following a successful portfolio review. Once admitted into the B.F.A. program via their B.F.A. review, students must achieve grades of B- or higher in all ART and ARH courses. All majors must participate in the monthly B.F.A. critiques held in the Visual Arts Center Gallery on the NVU-Johnson campus.

Each candidate for the B.F.A. must present a senior thesis and talk during the final year of study. This thesis is prepared under the guidance and supervision of the art faculty and must demonstrate proficiency in the chosen area of concentration.

Learning Outcomes

Graduating students should be able to:

1. Develop language and techniques for creating and critiquing media.
2. Learn how to use computers and software for creative purposes.
3. Learn a variety of conceptual, design and experimental art-based principles.
4. Introduce the history and criticism surrounding new media.
5. Discover more about themselves and methods of self-expression through art and media.

Required Courses

Core Courses (21 credits)

- ARH 2010 - Survey of Western Traditions in Art **Credit(s): 3**
- ARH 2060 - Survey of Non-Western Traditions in Art **Credit(s): 3**
- ART 1011 - Drawing I (J) **Credit(s): 3**
- ART 2110 - Introduction to Digital Media **Credit(s): 3**
- ART 2211 - Painting I (J) **Credit(s): 3**
- ART 2251 - Sculpture I (J) **Credit(s): 3**
- ART 2301 - Photography I (J) **Credit(s): 3**

Advanced Art History Electives (6 credits)

(Take ARH-3075 and one additional course)

- ARH 3075 - History of Media Art **Credit(s): 3**

- ARH 3015 - Greek & Roman Art **Credit(s): 3**
- ARH 3020 - Art of the Renaissance **Credit(s): 3**
- ARH 3060 - Twentieth Century Art **Credit(s): 3**
- ARH 3110 - The Spiritual in Non-Western Art **Credit(s): 3**
- ARH 3120 - Art Criticism **Credit(s): 3**
- ARH 3130 - The History of Photography **Credit(s): 3**
- ARH 3140 - African Art **Credit(s): 3**
- ARH 3150 - Art of the Human Body **Credit(s): 3**
- ARH 3210 - Women in Art **Credit(s): 3**

Advanced Non-Media Studio Electives (6 credits)

(Select two different courses)

- ART 3031 - Life Drawing (J) **Credit(s): 3**
- ART 3032 - Advanced Drawing **Credit(s): 3**
- ART 3040 - Landscape Painting **Credit(s): 3**
- ART 3222 - Ceramics II **Credit(s): 3**
- ART 3314 - Advanced Printmaking **Credit(s): 3**
- ART 3320 - Monoprints **Credit(s): 3**
- ART 4007 - Graphic Novels **Credit(s): 3**
- ART 4040 - Advanced Photography **Credit(s): 3**
- ART 4050 - Advanced Painting **Credit(s): 3**
- ART 4110 - Visual Art & Performance **Credit(s): 3**
- ART 4130 - Advanced Sculpture **Credit(s): 3**

Advanced Media Electives (15 credits)

(Select five different courses)

- ART 4020 - Advanced Digital Media **Credit(s): 3**
- ART 4025 - Advanced Digital Media: Documentary & Social Media **Credit(s): 3**
- ART 4060 - Advanced Digital: Graphic Design **Credit(s): 3**
- ART 4070 - Advanced Digital: Web Design for Artists **Credit(s): 3**
- ART 4075 - Advanced Digital: Animation & Motion Graphics **Credit(s): 3**
- ART 4080 - Advanced Digital Media: Intermedia **Credit(s): 3**
- ART 4150 - Advanced Digital: Video **Credit(s): 3**

Extended Media Experience (3 credits)

(Select one ART 4110 - Visual Art & Performance course)

- ART 4810 - Internship in Art **Credit(s): 1-12**
- ENV 3310 - Applications in GIS **Credit(s): 4**
- MUS 2160 - Introduction to Technology in Music **Credit(s): 2**

Required Capstone Courses (9 credits)

- ARH 4720 - Seminar in Contemporary Art Issues **Credit(s): 3**
- ART 4120 - B.F.A. Project & Exhibit **Credit(s): 3**
- ART 4730 - B.F.A. Seminar **Credit(s): 3**

Total: 60 credits

- *Grades for ART 4120 - B.F.A. Project & Exhibit will be determined by the thesis advisor in consultation with the full department.*
- *Once admitted into the BFA program via their BFA Review, students must achieve grades of B- or higher in all ART and ARH courses.*

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* meet all other Degree Requirements, including the General Education Core Curriculum and NVU Graduation Standards.

Music Education (B.M.E.) - J

The Music Education major assists students with the application for State of Vermont Certification for all specializations in Music, grades PK-12. This program guides students through the licensure procedures from the earliest levels of their collegiate education through to the completion of the student teaching internship, and includes requirements in instrumental, choral, and general music methods. The hallmark of the program is the comprehensive nature of the major supported by strong curricular sequencing of the course work.

The Music Education Department of NVU-Johnson endeavors to create an inviting learning environment that provides a systematic, experience-based curriculum in the areas of self-reflection, curiosity, and enthusiasm in its future educators. Successful music educators exhibit personal qualities of leadership, intellectual curiosity, and social commitment. They approach life, music, and the teaching profession in a positive, creative, and enthusiastic way.

Musicians are most successful as teachers if they understand current structures, systems, and practices in education. The music educator in this age of educational change and accountability must be able to express knowledge of teaching and learning through verbal communication and through overt, demonstrable high-level musical and teaching skills. NVU-Johnson graduates plan and implement effective, developmentally-appropriate lessons and curricula based upon sound principles of content knowledge, skill development, and pedagogy. They employ the National Standards in Music Education and use appropriate materials and strategies to develop students' critical thinking, problem solving, and performance skills, all while conveying their deep love of music.

NVU-Johnson faculty are dedicated to preparing its candidates for careers as professional music educators and to emulate and convey the following principles: pursuing excellence in education; a commitment to diversity and cultural awareness; and excellence in musicianship, pedagogy, research and scholarship. Music educators from NVU-Johnson enter the field with the skills, knowledge, confidence, and enthusiasm to successfully provide their future students with a complete and fulfilling musical experience.

Learning Outcomes:

Music Education majors have student learning outcomes provided in the B.A. in Music program, the Department of Education, and those provided below specific to the Music Education major. These learning outcomes are consistent with guidelines from the National Associations of Schools of Music and licensure requirements for the State of Vermont.

1. Knowledge, performance ability, and pedagogical skills sufficient to teach students effective use of instruments and/or voice.
2. Knowledge of content, methodologies, philosophies, materials, technologies, and curriculum development in music education for the general music, instrumental, and vocal music settings in grades K-12.
3. Demonstrate the ability to teach technique and lead performance-based instruction in a variety of settings including individual and small group and large group ensembles for both instruments and voices.
4. Performance ability sufficient to use at least one instrument as a teaching tool and to provide, transpose, and improvise accompaniments.
5. Ability to teach music at various levels to different age groups and in a variety of classroom and ensemble settings in ways that develop knowledge of how music works syntactically as a communication medium and developmentally as an agent of civilization. This set of abilities includes effective classroom and rehearsal management.
6. An understanding of child growth and development and an understanding of principles of learning as they relate to music.
7. An understanding of evaluative techniques and ability to apply them in assessing both the musical progress of students and the objectives and procedures of the curriculum.

All students shall demonstrate these learning outcomes by:

1. Successfully completing the Praxis II exam for the Music Content area with a score that meets the Vermont Certification Guidelines,
2. Developing well-organized, standards-based lessons and unit plans in all content areas of certification (K-12 instrumental, choral & general music),
3. Demonstrating the teaching skills expected of a beginning music educator through required peer teaching activities, practicum, and student teaching experiences,
4. Successfully completing the licensure portfolio required by the College and for Vermont State Certification.

To earn a Bachelor of Music Education, students must complete the B.A. music performance core requirements, the music education requirements, and the Department of Education course requirements. In addition, students must complete the General Education requirements outlined below.

Music Performance Core Requirements (39-41 credits)

Required Courses

- MUS 1560 - Musical Skills I **Credit(s): 2**
- MUS 1231 - Music Theory I **Credit(s): 3**
The above courses should be taken concurrently.

- MUS 1760 - Musical Skills II **Credit(s): 2**
- MUS 1232 - Music Theory II **Credit(s): 3**
The above courses should be taken concurrently.

- MUS 2560 - Musical Skills III **Credit(s): 2**
- MUS 2313 - Music Theory III **Credit(s): 3**
The above courses should be taken concurrently.

- MUS 2760 - Musical Skills IV **Credit(s): 2**
- MUS 2314 - Music Theory IV **Credit(s): 3**
The above courses should be taken concurrently.

- MUS 2040 - Foreign Language Diction **Credit(s): 2** (Only required for voice primary students; recommended for others)

- MUS 2220 - Music Ensemble (J) **Credit(s):** 0 or 0.5 or 1 (Required every semester) (must complete 3 credits in total)
- MUS 3031 - History of Western Music I **Credit(s):** 3
- MUS 3032 - History of Western Music II **Credit(s):** 3
- MUS 3140 - Arranging/Orchestration **Credit(s):** 3
- MUS 3240 - Applied Music Lessons **Credit(s):** 1 (6 credits in one primary voice or instrument required)
- MUS 3510 - Junior Recital **Credit(s):** 1

Music Education Core Requirements

*Students must earn a B- or better in all the Music Education Core Requirement courses.

Required Music Education Tool Courses (9 credits)

- MUS 3215 - Technology for the Music Classroom **Credit(s):** 3
- MUS 3401 - Conducting I **Credit(s):** 3
- MUS 3402 - Conducting II **Credit(s):** 3

Required Instrumental Music Methods Courses (9 credits)

- MUS 2361 - Instrumental Techniques I **Credit(s):** 3
- MUS 2362 - Instrumental Techniques II **Credit(s):** 3
- MUS 3240 - Applied Music Lessons **Credit(s):** 1
- MUS 3310 - Band Methods **Credit(s):** 2

Required Vocal Music Methods Courses (7 credits)

- MUS 3060 - Vocal Pedagogy **Credit(s):** 2
- MUS 3080 - Choral Literature **Credit(s):** 2
- MUS 3270 - Choral Methods **Credit(s):** 3

Required General Music Methods Courses (8 credits)

- MUS 2250 - Introduction to Music Education **Credit(s):** 2
- MUS 3160 - Elementary School Music Methods **Credit(s):** 3
- MUS 3210 - Secondary School Music Methods **Credit(s):** 3

Department of Education Course Requirements (33 credits)

*Students must earn a B- or better in all the courses within the Department of Education Course Requirements.

*All Music Education majors are waived from taking the Department of Education "Perspectives on Learning" course.

- EDU 2365 - The Ecology of Human Experience: Development, Culture & Identity **Credit(s):** 3
- EDU 2370 - The Contemporary School **Credit(s):** 3

- EDU 3112 - Instructional Dynamics for the Elementary Educator: Curriculum, Instruction & Assessment for Integrated, Engaging & Creative Learners; Part III: Unified Arts for Diverse Learners **Credit(s): 3**
- EDU 3311 - Foundations of Inclusive Practices **Credit(s): 3**
- EDU 3440 - Teaching Toward Democracy **Credit(s): 3**
- EDU 4310 - The Art of Experience in Education: Designing for Engagement & Accomplishment through the Unified Arts **Credit(s): 3**
- EDU 4650 - Capstone & Thesis Seminar **Credit(s): 3**
- EDU 4812 - Unified Arts Student Teaching **Credit(s): 12**

In addition to the above courses, students must complete the following Teacher Education Workshops:

- EDU TEW1 - Teacher Education Workshop 1: Introduction to Teacher Education **Credit(s): 0**
- EDU TEW2 - Teacher Education Workshop 2: Application for Practicum I **Credit(s): 0**
- EDU TEW3 - Teacher Education Workshop 3: Application for Practicum II **Credit(s): 0**
- EDU TEW4 - Teacher Education Workshop 4: Application for student teaching **Credit(s): 0**
- EDU TEW5 - Teacher Education Workshop 5: Application for a Verification Check **Credit(s): 0**

General Education Requirements (21-23 additional credits)

Foundation Skills (18-20 credits):

ENG-1071, College Writing (3 cr.)

ENG-1072, Exposition & Analysis (3 cr.)

Two math courses or Calculus (4-6 cr.)

First-Year Seminar (3 cr.)

Creative Audience (2 semesters at .5 cr. each semester)

A lab science course (4 cr.)

A "QE" (Quantitatively Enriched) course (3 cr.) [*MUS-3401, QE: Conducting I, meets this requirement.]

Integrative Perspectives (3 additional credits)

Aesthetic Perspective: Fulfilled by major requirements above.

Social & Historical Perspective: Fulfilled by major requirements above.

Global Perspective: 3 credits needed; Music Education majors are highly encouraged to take MUS-3330, Worlds of Music.

Civic Perspective: Fulfilled by student teaching internship requirement within the major.

Music Proficiencies, Juries, and Praxis Exam Schedule at NVU-Johnson

First Year

Jury: Spring only

Second Year

Jury: Both fall and spring semesters

Piano Proficiency: End of spring semester as part of Keyboard Harmony course.

Praxis I Exam: Should be completed as soon as student has finished the Johnson math requirements (recommended spring of Year 2)

Third Year

Jury: Both fall and spring semesters

Prior to Student Teaching

All course requirements, recitals, pre-student teaching portfolio, and the Praxis II Exam must be completed. Additionally, Music Education majors must have a total earned GPA of 3.00 or higher, or have received certification of academic competence by the Provost or his/her designee.

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* meet all other Degree Requirements, including the General Education Core Curriculum and NVU Graduation Standards.

Music Minor - J

The music minor exposes students to a broad overview of music and is an option for students who want to continue playing and studying music but are majoring in another field. Individual lessons and performance opportunities are offered in both traditional and jazz/contemporary settings.

Required Courses (19 credits)

- MUS 1015 - Meet the Masters **Credit(s): 3**
- MUS 1231 - Music Theory I **Credit(s): 3**
- MUS 1232 - Music Theory II **Credit(s): 3**
- Select any two additional MUS courses, at least one of which is at the 3000 level 6 credits

Applied Music Lessons & Ensemble (4 credits)

Select any combination of 4 credits.

- MUS 1120 - Applied Music Lessons **Credit(s): 0.5**
- MUS 2220 - Music Ensemble (J) **Credit(s): 0 or 0.5 or 1 (1 credits)**
- MUS 3240 - Applied Music Lessons **Credit(s): 1**

Total: 23 credits

Performance, Arts, & Technology (B.A.): Dance Concentration - J

Performance, Arts, & Technology Core Required Courses

- PAT 1111 - Performance Art Practicum: Collaborative Boot Camp **Credit(s): 3**
- PAT 2001 - Devised Performance Lab **Credit(s): 3**
- PAT 4001 - Devised Performance Lab **Credit(s): 3**
- PAT 4050 - History of Performance: Theatre, Music, Dance, and Design **Credit(s): 3**
- THA 1111 - Stagecraft **Credit(s): 3**
- THA 3130 - Introduction to Design: Costume, Scenic, and Stage Lighting **Credit(s): 3**
- THA 4720 - Senior Project in Theater **Credit(s): 3**
- THA 4730 - Seminar in Professional Preparation for the Actor **Credit(s): 3**

Dance Concentration Courses

- DAN 1010 - Fundamentals of Dance **Credit(s): 3**
- DAN 1111 - Modern Dance **Credit(s): 3**
- DAN 2030 - Improvisation/Composition: Intermediate/Advanced Level **Credit(s): 4**
- DAN 3112 - Intermediate Modern Dance: Technique & History **Credit(s): 3**

Take two of the following:

- DAN 2040 - Beginning Tap Dance **Credit(s): 2**
- DAN 2131 - Ballet **Credit(s): 3**
- DAN 3130 - Jazz Dance **Credit(s): 3**

Performance, Arts, & Technology Core Elective Courses

Take one of the following:

- MBI 2510 - Pro Tools 101: Introduction to Pro Tools **Credit(s): 2**
- MBI 2511 - Pro Tools 110: Pro Tools Production **Credit(s): 2**
- MUS 3140 - Arranging/Orchestration **Credit(s): 3**
- MUS 3230 - Survey of American Musical Theater **Credit(s): 3**
- MUS 3260 - Music Theater Workshop **Credit(s): 3**
- PAT 3050 - Podcast Storytelling **Credit(s): 3**
- PAT 3150 - Hitchcock's Smartphone: The Making of Psychologically Engaging Short Videos **Credit(s): 3**
- THA 2040 - Performance & Production Lab **Credit(s): 0 or 3**
OR THA 4010 (Performance & Production Lab)
OR MUS 2350 (Music Theater Production)
OR MUS 4010 (Music Theater Production)
- THA 3010 - Shakespeare: On the Stage & On the Page **Credit(s): 3**
- THA 3040 - Improvisation for Actors **Credit(s): 3**
- THA 3123 - Acting III **Credit(s): 3**

Performance, Arts, & Technology (B.A.): Immersive Design Concentration - J

Performance, Arts, & Technology Core Required Courses

- PAT 1111 - Performance Art Practicum: Collaborative Boot Camp **Credit(s): 3**
- PAT 2001 - Devised Performance Lab **Credit(s): 3**
- PAT 4001 - Devised Performance Lab **Credit(s): 3**
- PAT 4050 - History of Performance: Theatre, Music, Dance, and Design **Credit(s): 3**
- THA 1111 - Stagecraft **Credit(s): 3**
- THA 3130 - Introduction to Design: Costume, Scenic, and Stage Lighting **Credit(s): 3**
- THA 4720 - Senior Project in Theater **Credit(s): 3**
- THA 4730 - Seminar in Professional Preparation for the Actor **Credit(s): 3**

Immersive Design Concentration Courses

- THA 1040 - Interpreting Contemporary Dramatic Literature (J) **Credit(s): 3**
- THA 1041 - Introduction to Theater Arts (J) **Credit(s): 3**
- THA 1111 - Stagecraft **Credit(s): 3**
- THA 2020 - Theater Lab **Credit(s): 3**
- THA 2040 - Performance & Production Lab **Credit(s): 0 or 3**
OR THA 4010 (Performance & Production Lab)
OR MUS 2350 (Music Theater Production)
OR MUS 4010 (Music Theater Production)
- PAT 3010 - Sound and Light Design for Contemporary Performance **Credit(s): 3**

Performance, Arts, & Technology Core Elective Courses

Take one of the following:

- MBI 2510 - Pro Tools 101: Introduction to Pro Tools **Credit(s): 2**
- MBI 2511 - Pro Tools 110: Pro Tools Production **Credit(s): 2**
- MUS 3140 - Arranging/Orchestration **Credit(s): 3**
- MUS 3230 - Survey of American Musical Theater **Credit(s): 3**
- MUS 3260 - Music Theater Workshop **Credit(s): 3**
- PAT 3050 - Podcast Storytelling **Credit(s): 3**
- PAT 3150 - Hitchcock's Smartphone: The Making of Psychologically Engaging Short Videos **Credit(s): 3**
- THA 2040 - Performance & Production Lab **Credit(s): 0 or 3**
OR THA 4010 (Performance & Production Lab)
OR MUS 2350 (Music Theater Production)
OR MUS 4010 (Music Theater Production)
- THA 3010 - Shakespeare: On the Stage & On the Page **Credit(s): 3**
- THA 3040 - Improvisation for Actors **Credit(s): 3**
- THA 3123 - Acting III **Credit(s): 3**

Performance, Arts, & Technology (B.A.): Music Concentration - J

Student Learning Outcomes

1. Students will develop the communication skills required for leadership and collaboration in the performing arts. These skills include: engaged listening to others, learning to place seemingly random ideas into organized categories, and the ability to

verbally articulate one's own ideas clearly and with confidence.

2. Students will identify and analyze historical moments that had an impact on performance and performance art globally and domestically in order to incorporate elements of them into their own work.
3. Students will analyze, critic, and interpret classical and contemporary performance pieces related to their concentration.
4. Students will be able to manage a long-term project relevant to their concentration.
5. Through resume building, portfolio building, audition assessments, drafting budgets and technical riders, and internship opportunities, students will demonstrate professionalism.

Performance, Arts, & Technology Core Required Courses

- PAT 1111 - Performance Art Practicum: Collaborative Boot Camp **Credit(s): 3**
- PAT 2001 - Devised Performance Lab **Credit(s): 3**
- PAT 4001 - Devised Performance Lab **Credit(s): 3**
- PAT 4050 - History of Performance: Theatre, Music, Dance, and Design **Credit(s): 3**
- THA 1111 - Stagecraft **Credit(s): 3**
- THA 3130 - Introduction to Design: Costume, Scenic, and Stage Lighting **Credit(s): 3**
- THA 4720 - Senior Project in Theater **Credit(s): 3**
- THA 4730 - Seminar in Professional Preparation for the Actor **Credit(s): 3**

Music Concentration Courses

- MUS 1231 - Music Theory I **Credit(s): 3**
- MUS 1560 - Musical Skills I **Credit(s): 2**
- MUS 1232 - Music Theory II **Credit(s): 3**
- MUS 1760 - Musical Skills II **Credit(s): 2**
- MUS 3401 - Conducting I **Credit(s): 3**
- PAT 3010 - Sound and Light Design for Contemporary Performance **Credit(s): 3**
- MUS 1120 - Applied Music Lessons **Credit(s): 0.5 (take 6 times, for a total of 3 credits)**
- MUS 2220 - Music Ensemble (J) **Credit(s): 0 or 0.5 or 1 (take 8 times, for a total of 4 credits)**
- MUS 3240 - Applied Music Lessons **Credit(s): 1 (take 4 times, for a total of 2 credits)**

Performance, Arts, & Technology Core Elective Courses

Take one of the following:

- MBI 2510 - Pro Tools 101: Introduction to Pro Tools **Credit(s): 2**
- MBI 2511 - Pro Tools 110: Pro Tools Production **Credit(s): 2**
- MUS 3140 - Arranging/Orchestration **Credit(s): 3**
- MUS 3230 - Survey of American Musical Theater **Credit(s): 3**
- MUS 3260 - Music Theater Workshop **Credit(s): 3**
- PAT 3050 - Podcast Storytelling **Credit(s): 3**
- PAT 3150 - Hitchcock's Smartphone: The Making of Psychologically Engaging Short Videos **Credit(s): 3**
- THA 2040 - Performance & Production Lab **Credit(s): 0 or 3**

OR THA 4010 (Performance & Production Lab)

OR MUS 2350 (Music Theater Production)

OR MUS 4010 (Music Theater Production)

- THA 3010 - Shakespeare: On the Stage & On the Page **Credit(s): 3**
- THA 3040 - Improvisation for Actors **Credit(s): 3**
- THA 3123 - Acting III **Credit(s): 3**

Performance, Arts, & Technology (B.A.): Theater & Musical Theater Concentration - J

Student Learning Outcomes

Students will develop the communication skills required for leadership and collaboration in the performing arts. These skills include: engaged listening to others, learning to place seemingly random ideas into organized categories, and the ability to verbally articulate one's own ideas clearly and with confidence.

2. Students will identify and analyze historical moments that had an impact on performance and performance art globally and domestically in order to incorporate elements of them into their own work.
3. Students will analyze, critic, and interpret classical and contemporary performance pieces related to their concentration.
4. Students will be able to manage a long-term project relevant to their concentration.
5. Through resume building, portfolio building, audition assessments, drafting budgets and technical riders, and internship opportunities, students will demonstrate professionalism.

Performance, Arts, & Technology Core Required Courses

- PAT 1111 - Performance Art Practicum: Collaborative Boot Camp **Credit(s): 3**
- PAT 2001 - Devised Performance Lab **Credit(s): 3**
- PAT 4001 - Devised Performance Lab **Credit(s): 3**
- PAT 4050 - History of Performance: Theatre, Music, Dance, and Design **Credit(s): 3**
- THA 1111 - Stagecraft **Credit(s): 3**
- THA 3130 - Introduction to Design: Costume, Scenic, and Stage Lighting **Credit(s): 3**
- THA 4720 - Senior Project in Theater **Credit(s): 3**
- THA 4730 - Seminar in Professional Preparation for the Actor **Credit(s): 3**

Theatre and Musical Theatre Concentration Courses

- THA 1040 - Interpreting Contemporary Dramatic Literature (J) **Credit(s): 3**
- THA 1041 - Introduction to Theater Arts (J) **Credit(s): 3**
- THA 2121 - Acting I (J) **Credit(s): 3**
- THA 2121L - Acting I Lab **Credit(s): 1**
- THA 2122 - Acting II (J) **Credit(s): 3**
- THA 3210 - Introduction to Directing **Credit(s): 4**

- THA 2040 - Performance & Production Lab **Credit(s): 0 or 3**
OR THA 4010 Performance & Production Lab
OR MUS 2350 Music Theater Production
OR MUS 4010 Music Theater Production

Performance, Arts, & Technology Core Elective Courses

Take one of the following:

- MBI 2510 - Pro Tools 101: Introduction to Pro Tools **Credit(s): 2**
- MBI 2511 - Pro Tools 110: Pro Tools Production **Credit(s): 2**
- MUS 3140 - Arranging/Orchestration **Credit(s): 3**
- MUS 3230 - Survey of American Musical Theater **Credit(s): 3**
- MUS 3260 - Music Theater Workshop **Credit(s): 3**
- PAT 3050 - Podcast Storytelling **Credit(s): 3**
- PAT 3150 - Hitchcock's Smartphone: The Making of Psychologically Engaging Short Videos **Credit(s): 3**
- THA 2040 - Performance & Production Lab **Credit(s): 0 or 3**
OR THA 4010 (Performance & Production Lab)
OR MUS 2350 (Music Theater Production)
OR MUS 4010 (Music Theater Production)
- THA 3010 - Shakespeare: On the Stage & On the Page **Credit(s): 3**
- THA 3040 - Improvisation for Actors **Credit(s): 3**
- THA 3123 - Acting III **Credit(s): 3**

Studio Arts (B.F.A.) - J

The BFA in Studio Arts degree offers a solid background in traditional studio media while at the same time entering the latest in digital art technology. Students get a firm foundation in drawing, painting, sculpture, digital media and art history, with additional electives in photography, printmaking and ceramics. Students go on to create their own self-designed concentration. Admission to the program (generally in the sophomore or junior year) must be followed by a minimum of three semesters of studio work before the thesis exhibition. A student is admitted into the program only upon recommendation by the studio arts faculty and approval by the chairperson, following a successful portfolio review. All majors must participate in the monthly BFA critiques held in the Visual Arts Center Gallery. Each candidate for the BFA must present an exhibition and gallery talk during the final year of study. This exhibit is prepared under the guidance and supervision of the art faculty and must demonstrate proficiency in a chosen area of concentration. Once admitted into the BFA program via their BFA review, students must achieve grades of B- or higher in all ART and ARH courses.

Learning Outcomes for Studio Arts Majors

In addition to the outcomes for the B.A. in art, students with a B.F.A. in studio arts should also be able to:

1. Be familiar with the professional art world, from the perspective of career options, including exhibition venues, graduate school and grant opportunities.
2. Assemble a professional portfolio.
3. Understand the mechanics of setting up a safe and functioning studio.
4. Know how to do a professional exhibition of their art, write about their art and speak about their art at a public event.

Studio Arts Requirements

Required Courses (21 credits)

- ARH 2010 - Survey of Western Traditions in Art **Credit(s): 3**
- ARH 2060 - Survey of Non-Western Traditions in Art **Credit(s): 3**
- ART 1011 - Drawing I (J) **Credit(s): 3**
- ART 1140 - Design I **Credit(s): 3**
- ART 2110 - Introduction to Digital Media **Credit(s): 3**
- ART 2211 - Painting I (J) **Credit(s): 3**
- ART 2251 - Sculpture I (J) **Credit(s): 3**

Introductory Studio Electives (6 credits)

(Select two courses)

- ART 1231 - Ceramics I **Credit(s): 3**
- ART 2150 - Jewelry & Metalsmithing **Credit(s): 3**
- ART 2301 - Photography I (J) **Credit(s): 3**
- ART 2410 - Introduction to Printmaking **Credit(s): 3**

Advanced Art History Electives (6 credits)

(Select two courses)

- ARH 3015 - Greek & Roman Art **Credit(s): 3**
- ARH 3020 - Art of the Renaissance **Credit(s): 3**
- ARH 3060 - Twentieth Century Art **Credit(s): 3**
- ARH 3110 - The Spiritual in Non-Western Art **Credit(s): 3**
- ARH 3120 - Art Criticism **Credit(s): 3**
- ARH 3130 - The History of Photography **Credit(s): 3**
- ARH 3140 - African Art **Credit(s): 3**
- ARH 3150 - Art of the Human Body **Credit(s): 3**
- ARH 3210 - Women in Art **Credit(s): 3**

Advanced Studio Electives (18 credits)

(Select 6 courses)

(All advanced studio courses may be repeated for credit. See below.)

- ART 3031 - Life Drawing (J) **Credit(s): 3**
- ART 3032 - Advanced Drawing **Credit(s): 3**
- ART 3040 - Landscape Painting **Credit(s): 3**
- ART 3222 - Ceramics II **Credit(s): 3**
- ART 3314 - Advanced Printmaking **Credit(s): 3**
- ART 3320 - Monoprints **Credit(s): 3**
- ART 4007 - Graphic Novels **Credit(s): 3**
- ART 4020 - Advanced Digital Media **Credit(s): 3**
- ART 4040 - Advanced Photography **Credit(s): 3**

- ART 4050 - Advanced Painting **Credit(s): 3**
- ART 4060 - Advanced Digital: Graphic Design **Credit(s): 3**
- ART 4070 - Advanced Digital: Web Design for Artists **Credit(s): 3**
- ART 4110 - Visual Art & Performance **Credit(s): 3**
- ART 4130 - Advanced Sculpture **Credit(s): 3**

Required Capstone Courses (9 credits)

- ART 4120 - B.F.A. Project & Exhibit **Credit(s): 3**
- ARH 4720 - Seminar in Contemporary Art Issues **Credit(s): 3**
- ART 4730 - B.F.A. Seminar **Credit(s): 3**

Total: 60 credits

- Students may take the same Advanced Studio course more than once, but no more than twice with the SAME professor unless given special permission by the department chair.
- Grades for BFA Thesis Exhibition will be determined by the thesis advisor in consultation with the full department.
- Once admitted into the BFA program via their BFA Review, students must achieve grades of B- or higher in all ART and ARH courses.

Art Education (PreK-12) Teaching Endorsement at NVU-Johnson

Students pursuing a license to teach art in grades PreK-12 must complete either the Art (B.A.) - J or the Studio Arts (B.F.A.) - J as well as specific teacher-education coursework and requirements. Please refer to the Unified Arts Teacher License Endorsement - J section for details.

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* meet all other Degree Requirements, including the General Education Core Curriculum and NVU Graduation Standards.

Studio Arts Minor - J

The minor in studio arts combines foundation work in drawing and art history with study in the student's choice of four studio areas.

Required Courses

Core Courses (9 credits)

- ARH 2010 - Survey of Western Traditions in Art **Credit(s): 3**
- ARH 2060 - Survey of Non-Western Traditions in Art **Credit(s): 3**
- ART 1011 - Drawing I (J) **Credit(s): 3**

Introductory Studio Electives (12 credits)

(Choose four courses)

- ART 1231 - Ceramics I **Credit(s): 3**
- ART 2110 - Introduction to Digital Media **Credit(s): 3**
- ART 2150 - Jewelry & Metalsmithing **Credit(s): 3**
- ART 2211 - Painting I (J) **Credit(s): 3**
- ART 2251 - Sculpture I (J) **Credit(s): 3**
- ART 2301 - Photography I (J) **Credit(s): 3**
- ART 2410 - Introduction to Printmaking **Credit(s): 3**

Total: 21 credits

Note: Upper-level studio courses may be substituted for up to two of the introductory studio electives.

Technical Theater (A.A.) - J

This career-oriented program includes course work in technical theater skills (stagecraft, lighting and design, music and audio engineering), studio and performing arts, and general management; an internship is required.

Learning Outcomes for Technical Theater Majors

Competency #1: Awareness of and Competency in 21st Century Literacies

Students will:

1. Be able to produce an electronic portfolio of their learning journey, specifically focused on the degree program, in hopes it will become a lifelong process.
2. Demonstrate creativity and collaboration.
3. Expand their global awareness and exposure to diversity and communities.
4. Be able to use information and computer technology.
5. Have an increased civic and economic awareness.
6. Demonstrate basic quantitative reasoning and skills, especially geospatial literacy.
7. Have opportunities to develop leadership.
8. Develop their personal learning network.
9. Be employable in a 21st-century work environment.
10. Be aware of the environmental implications of their discipline.

Competency #2: General Backstage Knowledge and Aptitude

Students will:

1. Demonstrate knowledge of stage etiquette, correct communication and nomenclature.
2. Demonstrate safety and hazard awareness.
3. Understand the organization structure of the theater, related job descriptions, and fulfilling their position(s) within.
4. Consistently exhibit professional attitude, attendance and behavior.
5. Students will collaborate and communicate productively with the crew.

Competency #3: Basic Stage Carpentry Skills

Students will:

1. Demonstrate knowledge of the fly system: loading, mechanics, safety and flying.
2. Understand sight lines, trims, proper handling of masking and drops.
3. Understand basic rigging: knots, shackles, slings, wire clamps, etc.
4. Understand basic set assembly: basic tools and safety, flats and platform, construction, jacks, pipe structures, etc.
5. Load-in, set-up and load-out road shows of all types.
6. Collaborate and communicate productively with a diversity of visions.

Competency #4: Basic Knowledge of Stage Lighting and Set Design and Implementation for Theater, Music and Dance

Students will:

1. Analyze a script, present a storyboard or creative interpretation and concept of the design.
2. Draft a lighting plot, with all related paper work: patch, instrument schedule, cut list, focus chart, etc.
3. Understand WYSIWYG and Emphasis software.
4. Operate, design with and understand intelligent fixtures and other DMX accessories.
5. Understand stage electrics: safety, loads, instruments, maintenance, read, hang, circuit, focus, color and trouble shoot a plot.
6. Demonstrate basic board skills: load a plot, patch, record Q's, Subs and operate.
7. Design a show: document collaboration from concept to actualization.

Competency #5: Basic Knowledge of Sound Systems, Be Able to Set Up, Understand Components, Operate for Theater, Music and Dance

Students will:

1. Understand and use Digital Performer software and other Audio programs.
2. Have a basic understanding of sound theory including EQ, decibels, frequencies, etc.
3. Understand basic system set-ups: Diben, Performance Space and Andy Shapiro Recording Studio, including: power, tie-ins, FOH, Monitors, Amps, crossover and drive rack configurations.
4. Design sound plots with speaker and mic placement, theory and practice, in each genre.
5. Mix live and for recording when possible for all genres: rock, classical, jazz, folk, pop, theater and musical theater.
6. Be able to set up headsets, hard of hearing systems, lectures, etc., independently.
7. Load-in, set-up and load-out different road shows.
8. Collaborate and communicate productively with a diversity of visitors.

Required Courses

Core Courses (27 credits)

- THA 1041 - Introduction to Theater Arts (J) **Credit(s): 3**
- THA 1111 - Stagecraft **Credit(s): 3**

- THA 2020 - Theater Lab **Credit(s): 3** (12 credits) (4 times; 2 upper-level, 2 lower-level)
 - THA 2040 - Performance & Production Lab **Credit(s): 0 or 3 ***
 - THA 3130 - Introduction to Design: Costume, Scenic, and Stage Lighting **Credit(s): 3**
 - THA 4010 - Performance & Production Lab **Credit(s): 0 or 3 ***
- *Students must complete two semesters of THA 2040 and/or THA 4010 for a total of 6 credits.

Career Concentration Component

This component permits students to customize and focus their studies. Students must complete all course work listed within at least one of the following clusters and must complete 12 credits in all:

Performing Arts (10 credits)

- THA 1040 - Interpreting Contemporary Dramatic Literature (J) **Credit(s): 3**
 - THA 2035 - Costume Construction & Stage Makeup **Credit(s): 3**
 - THA 2121 - Acting I (J) **Credit(s): 3 AND**
 - THA 2121L - Acting I Lab **Credit(s): 1 ***
- *Students registering for THA 2121 - Acting I (J) must also register for the THA 2121L - Acting I Lab for 1 credit.*

Business Management (9 credits)

- BUS 2015 - Fundamentals of Management in Business **Credit(s): 3**
- BUS 2140 - Personal Finance **Credit(s): 3**
- BUS 2410 - Human Resource Management **Credit(s): 3**

Computer Information Systems (6 credits)

- CIS 3040 - Johnson - Database **Credit(s): 3**

Music & Audio Technology (8 credits)

- MUS 2160 - Introduction to Technology in Music **Credit(s): 2**
- MUS 2231 - Studio Recording I **Credit(s): 3**
- MUS 3272 - Studio Recording II **Credit(s): 3**

Fine & Studio Arts (9 credits)

- ARH 2010 - Survey of Western Traditions in Art **Credit(s): 3**
- ART 1011 - Drawing I (J) **Credit(s): 3**
- ART 1140 - Design I **Credit(s): 3**

Total: 39 credits

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* meet all other Degree Requirements, including the General Education Core Curriculum and NVU Graduation Standards.

Theater Minor - J

The minor in theater provides both a conceptual and practical study of performance and production, as well as a basic historical and literary background.

Required Courses

- THA 1041 - Introduction to Theater Arts (J) **Credit(s): 3**
- THA 1111 - Stagecraft **Credit(s): 3**
- THA 3140 - Theater History **Credit(s): 3**

Select three courses from the following:

- THA 2121 - Acting I (J) **Credit(s): 3 AND**
- THA 2121L - Acting I Lab **Credit(s): 1 ***

- THA 2122 - Acting II (J) **Credit(s): 3**
- THA 3030 - Theater for Young Audiences **Credit(s): 3**
- THA 3123 - Acting III **Credit(s): 3**
- THA 3130 - Introduction to Design: Costume, Scenic, and Stage Lighting **Credit(s): 3**
- THA 3210 - Introduction to Directing **Credit(s): 4 (Credit(s): 3)**

Select one course from the following:

(Complete THA 3140 before taking these courses):

- THA 3010 - Shakespeare: On the Stage & On the Page **Credit(s): 3**
- THA 3110 - Dramatic Literature: Classical/Modern **Credit(s): 3**

Total: 21-22 credits

**Students registering for THA 2121 - Acting I (J) must also register for the THA 2121L - Acting I Lab for 1 credit.*

Humanities - Johnson

Faculty/Staff

N.E. Bou-Nacklie, *Professor*

Sharon Cline, *Associate Professor*, Department Chair

David Plazek, *Professor*

Paul Silver, *Professor*
Staff Assistant: Sandra Noyes

The Northern Vermont University-Johnson Department of Humanities offers programs designed to provide a deep understanding of human culture, traditions and languages while developing the critical thinking skills necessary for any career or graduate pursuit. History graduates are well suited for careers in teaching, public service, museum work, historical preservation and the law, while political science graduates leave prepared for positions of responsibility in public and civic organizations. Students seeking a broad education and a solid foundation for future study at the bachelor or professional level may choose to major in the two-year General Studies program.

Programs

Majors & Concentrations

- General Studies (A.A.) - J, O
- History (B.A.) - J
- Political Science (B.A.) - J, O
- Political Science (B.A.): Criminal Justice concentration - J

Minors

- French Minor - J
- Global Studies Minor - J
- History Minor - J
- Political Science Minor - J
- Pre-Law Minor - J
- Spanish Minor - J

The Northern Vermont University-Johnson Department of Humanities offers courses with the following designators: FRE (French), GEO (Geography), HIS (history), HUM (humanities), INT (interdisciplinary), PHI (philosophy), POS (political science) and SPA (Spanish). See full Course Descriptions.

Criminal Justice (B.S.): Restorative Justice Concentration - J (Hybrid)

Minimum required credits for this program: 48-51.

NVU Johnson students will take their CRJ courses via NVU Online offerings. There will not be campus-based CRJ offerings at NVU Johnson.

Criminal Justice Core (27 Credits)

- SOC 1010 - Introduction to Sociology (J) **Credit(s): 3**
(or PSY 1010)
- CRJ 1010 - Introduction to Criminal Justice (J) **Credit(s): 3**
- CRJ 2050 - Criminology **Credit(s): 3**
- CRJ 2170 - Ethics and Professionalism in Criminal Justice **Credit(s): 3**

- CRJ 2510 - Criminal Law **Credit(s): 3**
(or POS 3170)
- CRJ 3085 - Research Design and Analysis **Credit(s): 3**
- CRJ 4810 - Internship in Criminal Justice (J) **Credit(s): 1-12**
- SSC 4720 - Senior Thesis/Capstone **Credit(s): 3**

Concentration in Restorative Justice (24 Credits)

Criminal Justice System Courses

- CRJ 2030 - Victimology **Credit(s): 3**
- CRJ 2150 - Community and Restorative Justice (L) **Credit(s): 3**
- CRJ 3210 - Punishment and Corrections **Credit(s): 3**

Issues in Criminal Justice Courses

- CRJ 2410 - Race, Class, Gender, and Crime **Credit(s): 3**
- CRJ 3410 - Peace Making **Credit(s): 3**
Take one of the following:
- CRJ 2210 - Death Penalty **Credit(s): 3**
- CRJ 2220 - Environmental Justice **Credit(s): 3**
- CRJ 3070 - Media and Crime **Credit(s): 3**
- CRJ 3120 - White-Collar Crime **Credit(s): 3**
- CRJ 3130 - Wrongful Convictions **Credit(s): 3**
- CRJ 3250 - Terrorism **Credit(s): 3**
- CRJ 4710 - Special Topics in Criminal Justice **Credit(s): Variable**

Professional Development in Criminal Justice Courses

- CRJ 3310 - Applying Restorative Justice Methods **Credit(s): 3**
Take one of the following:
- CRJ 3145 - Criminal Justice Administration **Credit(s): 3**
- CRJ 3155 - Investigation Sciences **Credit(s): 3**
- CRJ 3165 - GIS Applications in Criminal Justice **Credit(s): 3**

General Studies (A.A.) - J, O

This two-year program exposes students to a range of disciplines and provides a sound educational base for future studies at the bachelor's or professional level.

Core: 40 Credits

Completion of General Education Core Curriculum for Four-Year Programs.

Elective courses: 20 Credits

Elective courses must be in addition to, and distinct from, the courses included in the General Education Core Curriculum. Courses cannot be counted in both areas.

Global Studies Minor - J

The global studies minor is designed to address the demands brought on by the processes of globalization for students pursuing careers and/or graduate study in business, education, history, politics, public service and many other fields.

Required Courses

Core Courses (9 credits)

- HIS 1112 - World History II **Credit(s): 3**
- POS 1010 - Introduction to Political Science **Credit(s): 3 OR**
- POS 1020 - American Politics and Government **Credit(s): 3**
- POS 1030 - Comparative Government **Credit(s): 3 OR**
- POS 2040 - International Relations **Credit(s): 3**

Non-Western Course (3 credits)

(Choose one course)

- HIS 3225 - Latin America: Mexico to Chile; History, Politics, Cultures **Credit(s): 3**
- HIS 3510 - Chinese History & Culture **Credit(s): 3**
- HIS 3520 - Japanese History & Culture **Credit(s): 3**
- HUM 3125 - Religions of the World **Credit(s): 3**
- HUM 3150 - People & Cultures of the Middle East & North Africa **Credit(s): 3**
- HUM 3160 - African Culture **Credit(s): 3**

Electives (Minimum of 9 credits)

(Choose at least nine credits)

- FRE 1111 - French I **Credit(s): 3 AND**
- FRE 1111L - French I Lab **Credit(s): 1**
- FRE 1112 - Intermediate French **Credit(s): 3 AND**
- FRE 1112L - French II Lab **Credit(s): 1**
- FRE 2011 - French III **Credit(s): 3 AND**
- FRE 2011L - French III Lab **Credit(s): 1**
- FRE 2012 - French IV **Credit(s): 3 AND**
- FRE 2012L - French IV Lab **Credit(s): 1**

- FRE 3010 - Culture & Civilization through Correspondence & Conversation **Credit(s): 3**
- HIS 3020 - Greek & Roman History **Credit(s): 3**
- HIS 3040 - Ancient Civilizations of the New World **Credit(s): 3**
- HIS 3090 - Modern German History **Credit(s): 3**
- HIS 3225 - Latin America: Mexico to Chile; History, Politics, Cultures **Credit(s): 3**
- HIS 3312 - Europe in the 20th Century **Credit(s): 3**
- HIS 3350 - Struggle for Democracy **Credit(s): 3**
- HIS 3352 - Britain in the Age of Empire **Credit(s): 3**
- HIS 3355 - The European Enlightenment **Credit(s): 3**
- HIS 3370 - Nationalism & Rebellion in Irish History **Credit(s): 3**
- HIS 3400 - Modern French History **Credit(s): 3**
- HIS 3420 - French Revolution **Credit(s): 3**
- HIS 3430 - History of the Soviet Union **Credit(s): 3**
- HIS 3450 - Women in European History **Credit(s): 3**
- HIS 3510 - Chinese History & Culture **Credit(s): 3**
- HIS 3520 - Japanese History & Culture **Credit(s): 3**
- HUM 3125 - Religions of the World **Credit(s): 3**
- HUM 3150 - People & Cultures of the Middle East & North Africa **Credit(s): 3**
- HUM 3160 - African Culture **Credit(s): 3**
- POS 1030 - Comparative Government **Credit(s): 3** (if not taken as a required course above)
- POS 2040 - International Relations **Credit(s): 3**
- POS 2050 - International Economics & Politics **Credit(s): 3**
- POS 3010 - Survey of Western Political Thought **Credit(s): 3**
- POS 3040 - The Politics of Gender **Credit(s): 3**
- POS 3050 - Environmental Ethics & Politics **Credit(s): 3**
- POS 3070 - Terrorism, Religion & the Nation-State **Credit(s): 3**
- POS 3180 - Politics in Film **Credit(s): 3**
- POS 3210 - Canadian Politics **Credit(s): 3**
- POS 3220 - Genocide: Inhumanity Across the Ages **Credit(s): 3**
- POS 3270 - Revolutions, Transformed Economics & Social Change **Credit(s): 3**
- POS 4010 - American Foreign Policy **Credit(s): 3**
- POS 4020 - International Relations **Credit(s): 3**

- SPA 1011 - Spanish I **Credit(s): 3 AND**
- SPA 1011L - Spanish I Lab **Credit(s): 1**

- SPA 1012 - Spanish II **Credit(s): 3 AND**
- SPA 1012L - Spanish II Lab **Credit(s): 1**

- SPA 2011 - Spanish III **Credit(s): 3 AND**
- SPA 2011L - Spanish III Lab **Credit(s): 1**

- SPA 2012 - Spanish IV **Credit(s): 3 AND**
- SPA 2012L - Spanish IV Lab **Credit(s): 1**

Total: 21 credits

History (B.A.) - J

History is recognized as a field central to the liberal arts tradition. Its study of the variety and diversity of human experience through time is vital to developing an educated perspective on the world today.

A history major is an appropriate and useful one for students planning to enter the fields of teaching, public service, museum work, historical preservation and law, as well as those intending to study at the graduate level.

Learning Outcomes for History Majors

Each graduate will:

1. Have a general knowledge of the human past and geographical literacy, including events, ideas and individuals that have shaped the world through time.
2. Have an understanding of the economic, political, social, cultural and religious historical forces and the complexity of events that reflect the diversity of human experience.
3. Have specific regional and temporal knowledge of "Western" and "non-Western" cultures.
4. Be competent in locating, evaluating, synthesizing and analyzing historical evidence from primary sources and/or documents.
5. Be capable of understanding, defending, critiquing and developing historical interpretations.
6. Successfully communicate, in oral and written form, his or her findings and interpretations, using proper documentations and scholarly conventions.

Required Courses

Category I (18 credits)

- HIS 1111 - World History I **Credit(s): 3**
- HIS 1112 - World History II **Credit(s): 3**
- HIS 1211 - American History I **Credit(s): 3**
- HIS 1212 - American History II **Credit(s): 3**
- HIS 4730 - Seminar in Historical Communication **Credit(s): 3**
- HIS 4740 - Seminar in Historical Investigation **Credit(s): 3**

Electives (24 credits)

Take eight upper-level elective courses from Categories II and III below. Electives must include at least two courses from Category II and a minimum of 5 must be HIS designated.

Category II

- HIS 3040 - Ancient Civilizations of the New World **Credit(s): 3**
- HIS 3225 - Latin America: Mexico to Chile; History, Politics, Cultures **Credit(s): 3**
- HIS 3510 - Chinese History & Culture **Credit(s): 3**
- HIS 3520 - Japanese History & Culture **Credit(s): 3**
- HUM 3110 - Native American History & Culture **Credit(s): 3**
- HUM 3120 - The Abenaki & Their Neighbors **Credit(s): 3**

- HUM 3150 - People & Cultures of the Middle East & North Africa **Credit(s): 3**
- HUM 3160 - African Culture **Credit(s): 3**

Category III

- HIS 3020 - Greek & Roman History **Credit(s): 3**
- HIS 3050 - Community in America **Credit(s): 3**
- HIS 3060 - Church & State in America **Credit(s): 3** (offered through NVU Online)
- HIS 3080 - Colonial America: History & Life **Credit(s): 3**
- HIS 3090 - Modern German History **Credit(s): 3**
- HIS 3141 - History of the United States in the 20th Century I **Credit(s): 3**
- HIS 3142 - History of the United States in the 20th Century II **Credit(s): 3**
- HIS 3160 - Vermont's Coastal Regions **Credit(s): 3**
- HIS 3312 - Europe in the 20th Century **Credit(s): 3**
- HIS 3350 - Struggle for Democracy **Credit(s): 3** (offered through NVU Online)
- HIS 3352 - Britain in the Age of Empire **Credit(s): 3**
- HIS 3355 - The European Enlightenment **Credit(s): 3**
- HIS 3370 - Nationalism & Rebellion in Irish History **Credit(s): 3** (offered through NVU Online)
- HIS 3420 - French Revolution **Credit(s): 3**
- HIS 3430 - History of the Soviet Union **Credit(s): 3**
- HIS 3450 - Women in European History **Credit(s): 3**
- INT 3210 - The Holocaust: An Interdisciplinary Approach **Credit(s): 3**
- POS 4010 - American Foreign Policy **Credit(s): 3**

Total: 42 credits

Secondary Teaching License in Social Studies

Students pursuing licensure endorsement to teach Social Studies in grades 7-12 must successfully complete either the History (B.A.) - J or the Political Science (B.A.) - J, O, as well as specific teacher-education coursework and requirements. Please refer to the Secondary Teacher License Endorsement - J section for details.

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* meet all other Degree Requirements, including the General Education Core Curriculum and NVU Graduation Standards.

History Minor - J

The history minor is appropriate for students pursuing careers in teaching, public service, museum work, historic preservation, law and many other fields, as well as those planning graduate study in politics, history, English, anthropology and sociology.

Required Courses (12 credits)

- HIS 1111 - World History I **Credit(s): 3**
- HIS 1112 - World History II **Credit(s): 3**

- HIS 1211 - American History I **Credit(s): 3**
- HIS 1212 - American History II **Credit(s): 3**

Electives (9 credits)

- Upper-level European History Credit(s): 3
- Upper-level American History Credit(s): 3
- Upper-level history: Africa, Asia, Latin America, or the Middle East Credit(s): 3

Total: 21 credits

Political Science (B.A.) - J, O

The B.A. in Political Science is designed to develop understanding of the theoretical and practical relationship between political culture and governmental structures at the four traditional levels of political organization: local, state, national and international. Students develop the ability to compare alternative systems and to understand the political process at various levels. Writing and research skills are also developed, especially in seminar and independent research courses. Graduates of the program are prepared for graduate and professional study and for positions of responsibility in public and civic organizations.

Learning Outcomes

Graduates will:

1. Possess content knowledge of a broad array of political phenomenon, concepts, and theory as well as basic historical and geographic factors that influence political behavior.
2. Develop the ability to analyze and interpret the influence social, economic, cultural, and environmental variables have on political behavior and outputs.
3. Understand how individual and global cultures can impact political beliefs and actions.
4. Be able to comprehend, interpret, and apply scientific methodology to the study of political behavior.
5. Be able to apply critical thinking, limit bias, and explore all potential causal relations.
6. Successfully communicate, in oral and written form, his or her findings and interpretations, using proper documentations and scholarly conventions.

Political Science Curriculum at NVU-Johnson

Political science faculty strongly recommend a semester-long internship with such agencies or organizations as the Vermont General Assembly or Legislative Council, state and federal agencies, newspapers and wire services, U.S. Congress, international organizations, law offices, legal aid programs, public-interest groups, public affairs foundations, election campaigns, etc. Such experiences often lead directly to career opportunities in these fields. Internships enable students to meet many decision-makers and are particularly valuable when integrated with seminars in political science.

Required Core Courses (18 credits)

- POS 1010 - Introduction to Political Science **Credit(s): 3**
- POS 1020 - American Politics and Government **Credit(s): 3**
- POS 2050 - International Economics & Politics **Credit(s): 3**

- POS 1040 - African-American History & Politics **Credit(s): 3 OR**
- POS 3070 - Terrorism, Religion & the Nation-State **Credit(s): 3**
- POS 3010 - Survey of Western Political Thought **Credit(s): 3 OR**
- POS 3025 - Research Design & Analysis **Credit(s): 3**
- POS 4730 - Senior Seminar in Political Science **Credit(s): 3 OR**
- POS 4740 - Senior Thesis **Credit(s): 3**

Electives (21 credits)

Choose 2 of the following:

- POS 1030 - Comparative Government **Credit(s): 3**
- POS 2010 - Observation of the Legislative Process **Credit(s): 3**
- POS 2040 - International Relations **Credit(s): 3**
- POS 2810 - Internship in Political Science **Credit(s): 1-12**

Choose 5 of the following:

- POS 3040 - The Politics of Gender **Credit(s): 3**
- POS 3050 - Environmental Ethics & Politics **Credit(s): 3**
- POS 3060 - Vermont Politics **Credit(s): 3**
- POS 3130 - Church & State Separation: The First Amendment to the U.S. Constitution **Credit(s): 3**
- POS 3150 - Campaigns & Elections **Credit(s): 3**
- POS 3170 - U.S. Constitutional Law **Credit(s): 3**
- POS 3180 - Politics in Film **Credit(s): 3**
- POS 3210 - Canadian Politics **Credit(s): 3**
- POS 3220 - Genocide: Inhumanity Across the Ages **Credit(s): 3**
- POS 3270 - Revolutions, Transformed Economics & Social Change **Credit(s): 3**
- POS 4010 - American Foreign Policy **Credit(s): 3**
- POS 4020 - International Relations **Credit(s): 3**
- POS 4810 - Internship in Political Science **Credit(s): 1-12 (Johnson); 1-6 (Lyndon)**
- HIS-2410 Latin American History & Culture, Credit(s): 3 (CSC course)
- HIS 3165 - Vermont History **Credit(s): 3**
- HIS 3312 - Europe in the 20th Century **Credit(s): 3**

Total: 37-39 credits

Secondary Teaching License in Social Studies

Students pursuing licensure endorsement to teach Social Studies in grades 7-12 must successfully complete either the History (B.A.) - J or the Political Science (B.A.) - J, O, as well as specific teacher-education coursework and requirements. Please refer to the Secondary Teacher License Endorsement - J section for details.

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* meet all other Degree Requirements, including the General Education Core Curriculum and NVU Graduation Standards.

Political Science Minor - J

Required Courses

Core Courses (15 credits)

- POS 1010 - Introduction to Political Science **Credit(s): 3**
- POS 1020 - American Politics and Government **Credit(s): 3**
- POS 2050 - International Economics & Politics **Credit(s): 3**
- POS 2110 - State & Local Government **Credit(s): 3**

- POS 3010 - Survey of Western Political Thought **Credit(s): 3 OR**
- POS 3040 - The Politics of Gender **Credit(s): 3**

Electives (6 credits)

- POS-3000/4000 (2 courses) **Credit(s): 6**

Total: 21 credits

Pre-Law Minor - J

Required Courses

Core Courses (15 credits)

- PHI 1040 - Introduction to Ethics **Credit(s): 3**

- POS 1020 - American Politics and Government **Credit(s): 3 OR**
- POS 1010 - Introduction to Political Science **Credit(s): 3**

- POS 2050 - International Economics & Politics **Credit(s): 3 OR**
- POS 3010 - Survey of Western Political Thought **Credit(s): 3**

- POS 2110 - State & Local Government **Credit(s): 3**
- POS 3170 - U.S. Constitutional Law **Credit(s): 3**

Electives

- HUM-3000/4000 (2 courses) **Credit(s): 6**

Total: 21 credits

Interdepartmental Programs - Johnson

Interdisciplinary Studies Committee

Kathleen Brinegar, *Associate Professor, Department of Education*
David Cavanagh, *Distance Education Programs*
Lisa Cline, *Associate Professor, Department of Humanities*
Julie Theoret, *Professor, Department of Mathematics*
Sharon Twigg, *Associate Professor, Department of Writing & Literature*

Distance Learning (DL) Academic Review Board

Amy Beattie, *Coordinator of Online Learning and Services*
James Black, *Professor of Business & Economics*
David Cavanagh, *Distance Education Programs*
Marianne DiMascio, *Distance Education Student Advisor*
Bobbi Jo Carter, *Associate Dean of Distance Education Programs*
Lisa Kent, *Access Services Librarian*

Majoring in Northern Vermont University-Johnson's Interdisciplinary Studies gives students the opportunity to design an individualized program that provides a strong foundation for any number of careers and graduate pursuits. With their advisor's assistance and support, students design a program that incorporates three areas of study that they want to pursue. Students explore connections within and among disciplines and cultures and learn how leaders in various fields have applied their knowledge and creativity to pressing social, political and scientific problems.

Gender Studies Minor - J

The gender studies minor combines courses in various departments in order to consider the issue of gender from different perspectives. It is designed to engage men and women students in a wide-ranging level of inquiry that combines historical and contemporary analysis of issues and problems.

Required Courses

Core Courses (6 credits)

- POS 3040 - The Politics of Gender **Credit(s): 3**
- SOC 3050 - Gender and Society (J) **Credit(s): 3**

Electives (12 credits)

(Select four courses):

- ENG 2510 - Women & Literature **Credit(s): 3**
- HIS 2210 - Women in U.S. History **Credit(s): 3**
- HIS 3450 - Women in European History **Credit(s): 3**
- SOC 2040 - Race, Ethnicity, Class, and Gender (J) **Credit(s): 3**
- SOC 3060 - Sexuality & Intimacy **Credit(s): 3**
- SOC 3170 - Power, Politics & Inequality **Credit(s): 3**
- POS 3050 - Environmental Ethics & Politics **Credit(s): 3**

Total: 18 credits

Interdisciplinary Studies (B.A.) - J, O

The Interdisciplinary Studies major offers students the opportunity and challenge to create their own individually designed interdisciplinary programs. It gives students the tools to explore and understand connections and patterns: within and among disciplines; between self and the world; among different cultures. It seeks to give students knowledge of how great thinkers in various fields have tried to understand experience and use their learning to address problems and engage fully with life.

Learning Outcomes for Interdisciplinary Studies Majors

Students will be able to:	Evidence:
Connect their academic plan to their personal history and long-term goals.	Plan of Study narrative; reflection papers in capstone course.
Articulate a rationale for their three areas of study and justify the selection of courses in each of those areas.	Plan of Study narrative; plan of study.
Understand the nature and value of interdisciplinary study.	Capstone project; discussion and writing assignments in capstone course.
Demonstrate meaningful connections between their chosen areas of study.	Plan of Study narrative; capstone project; final reflection paper in capstone course.
Demonstrate depth of knowledge in the primary and secondary areas of study.	Completion of capstone course; capstone project; 21 upper-level credits in the major.
Experience and articulate meaningful connections between learning in the major and life outside the classroom.	Extended Classroom Experience (ECE); ECE reflection paper; career exploration assignment.

Requirements

Students must successfully complete a total of 42 credits, at least 21 of which must be upper-division, as follows:

- 18 credits in a primary area of study;
- 12 credits in a secondary, supporting area of study;

- 9 credits in a tertiary area of study; and
- 3-credit capstone course: INT 4610 - Senior Seminar in Interdisciplinary Studies
- An extended classroom experience, which may be credit or non-credit bearing, must be at least 20 hours in length. It can be completed through an existing course, internship, student teaching or service-learning experience.

Additional Stipulations

- At least 12 of the 42 credits required within the Interdisciplinary Studies major must be taken in the semester(s) after the Plan of Study has been approved.
- Education majors seeking licensure who are using Interdisciplinary Studies as their second major will need to choose their primary and secondary areas of study in a fashion that meets state licensure requirements.
- A grade of C- or higher must be earned in all courses counted toward the 42 credits for the major.
- In general, courses such as Student Teaching in Education, which are specifically aimed at career preparation, are not appropriate for inclusion in the 42 credits for the Interdisciplinary Studies degree.

Becoming an Interdisciplinary Studies Major

A student interested in becoming an Interdisciplinary Studies major on campus will first contact the Advising & Registration Center and be assigned an advisor on the Interdisciplinary Studies Committee (ISC). In the case of the NVU Online (EDP/DL), the student will be assigned an advisor in his or her community upon entering EDP/DL. The student and advisor will initially explore together the student's interests and identify relationships between different disciplines or clusters of disciplines which the student would like to explore more deeply. With the advisor's assistance and support, the student will write a program proposal that describes in detail the relationships between two or more areas of study. Members of the ISC, who may recommend clarifications or changes, will review the written program proposal, together with the student's transcript and a completed Plan of Study. Once the program proposal has been approved, the student is officially an Interdisciplinary Studies major. The advisor and/or other members of the ISC or EDP/DL staff will continue to work with the student during her/his progress toward a degree.

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* meet all other Degree Requirements, including the General Education Core Curriculum and NVU Graduation Standards.

Professional Studies (B.A.) - O

The B.A. in Professional Studies is available to students who are completing their bachelor's degree through NVU Online. This major allows adult learners to design a plan of study around a particular career interest while weaving together the threads of their prior learning into a coherent degree program. Upon declaring an area of special emphasis, students work with their advisor to develop a degree plan that meets their objectives as well as the college's general education and other requirements for a bachelor's degree.

Learning Outcomes for Professional Studies Majors

Students will be able to:

- Plan a coherent, individualized program of study with a clear focus and in keeping with their personal goals.
- Demonstrate bachelor's-level knowledge in one or more fields of interest.
- Demonstrate connections between theoretical learning and practical experience in relation to the field of interest.

- Demonstrate an ability to reflect upon and synthesize key aspects of the learning experience in the program.

Requirements

- For students matriculating through NVU Online, no college credits are required before admittance into the major.
- Completion of the NVU General Education Core Curriculum.
- During the student's first semester, development and submission of a degree plan, including a narrative that declares a focus of study and demonstrates integration of prior learning and proposed courses
- Completion of at least 30 credits in a focus area of study, including INT 4950, Senior Seminar in Professional Studies
- Completion of at least 15 upper-level credits (3000- or 4000-level) within the 30-credit focus area

Note: It is not possible to do a minor along with the major in professional studies unless the credits for the minor are in addition to the 120 credits required for a bachelor's degree.

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* meet all other Degree Requirements, including the General Education Core Curriculum and NVU Graduation Standards.

Liberal Studies - Lyndon

Liberal Studies Coordinator: Kristi Castleberry, *Assistant Professor*

Program Mission Statement

This degree program recognizes the creative possibilities of the traditional liberal arts and sciences. Its purpose is to assist a student of vision to arrange a course of study designed to illuminate a particular interdisciplinary topic, theme, or concept. In this way, a student may design a major that fits his or her academic and career goals.

The program consists of a total of 47 - 48 credits with 32 credits in a broad multidisciplinary core and 15 - 16 credits in a more focused concentration area.

Program Goals/Learning Outcomes

In providing students with the essential foundation of a liberal arts education across a variety of disciplines, the Liberal Studies program seeks:

- to provide students the opportunity to design a broad-based course of study that focuses on more than one of the traditional Liberal Arts and Sciences disciplines;
- to train students in analytical, interpretive, communicative, and critical thinking skills that are valuable not only in graduate study, but also across a wide spectrum of career fields;
- to serve Education students by providing a Liberal Arts and Sciences background.

Upon completion of the degree requirements, Liberal Studies majors will be able to:

- articulate an appropriate research issue or topic and use appropriate methods and materials to address it;
- demonstrate an understanding of the range and limits of the issue or topic through written work;

- present effectively the findings of that research, including appropriate conclusions;
- demonstrate an understanding of the research project's relevance to the student's overall course of study;
- demonstrate an understanding of the social relevance and broader application of the student's research project.

Program Assessment

Since the Liberal Studies curriculum draws upon courses from many different departments, program assessment will occur primarily through the evaluation of students' LIB 4810 Liberal Studies Thesis projects and through their timely completion of the Vermont State College Graduation Standards. These standards are embedded in selected courses across the curriculum. It is the student's responsibility to make arrangements to complete these standards within his or her concentration area if not met elsewhere.

Associate of Applied Science (A.A.S.) - L

Total required credits for program - 67

This program is unique because it was designed as a template in which to incorporate technical/professional training within the framework of an associate's degree. This program was created to expand NVU-Lyndon's ability "to prepare every student." This program responds to the VSCS strategic plan, specifically providing workforce education for our regional community and the state.

The degree is designed to meet the educational needs in multiple technical/professional fields, e.g., Computer Numerical Control (CNC) training, medical records, banking, etc. The degree requires 28 credits of General Education Core Curriculum, electives, and a flexible number of professional credits (depending on the scope of the professional training required by the organization/technical area). In this degree, the college partners with different organizations, e.g., VTC, VMEC, North Country Career Center, St. Johnsbury Academy, American Banking Association, etc. These organizations provide the technical/professional training, which is independently evaluated to ensure that college-level learning outcomes are met. Thus, the professional education/training components will not be delivered through standard coursework at NVU-Lyndon.

General Education: (28 credits)

These requirements may also be satisfied by placement exams, CLEP examinations, Advanced Placement (AP) credits, suitable transfer credit, or departmental substitutions. Departmental substitutions given as a result of exam or for prior knowledge do not grant credit toward graduation.

English: (6 Credits)

Mathematics: (6 credits)

Choose courses from the following list totaling 6 credits. At least one of these courses must have a MAT designation, unless MAT 1020, Intermediate Algebra, is waived by placement test score. Students waiving Precalculus by placement test score are exempted from the GEU Mathematics requirement altogether. Make your choice keeping in mind requirements for your major and prerequisites for classes you plan to take in the future.

- MAT 1060 - Problem Solving with Mathematics **Credit(s): 3**
Advised Term 1st/2nd Year
- MAT 1410 - Pre-Calculus **Credit(s): 4**
Advised Term 1st/2nd Year
- MAT 2010 - Number Systems **Credit(s): 3**
Advised Term 1st/2nd Year

- MAT 2021 - Statistics **Credit(s): 3**
Advised Term 1st/2nd Year
- CIS 1090 - Problem Solving with Computers **Credit(s): 3**
Advised Term 1st/2nd Year
- CIS 2060 - Programming with FORTRAN **Credit(s): 3**
Advised Term 1st/2nd Year
- CIS 2271 - Java Programming **Credit(s): 3**
Advised Term 1st/2nd Year
3 Credits for Mathematics May Be Chosen From:
- CIS 1050 - Computer Operation Systems and Spreadsheets **Credit(s): 1**
Advised Term 1st/2nd Year
- CIS 1060 - Introduction to Databases **Credit(s): 1**
Advised Term 1st/2nd Year

Social Science: (6 Credits)

- PSY 1010 - Introduction to Psychology **Credit(s): 3**
Advised Term 1st/2nd Year
- SOC 1010 - Introduction to Sociology (L) **Credit(s): 3**
Advised Term 1st/2nd Year

Lab Science: (4 Credits)

Take 1 lab science (4 credits) from the General Education list of distribution courses in Natural Resources and Sustainability or Scientific and Empirical Reasoning.

Humanities: (3 Credits)

Take 3 credits from the General Education distribution list of courses in English, History, Humanities or Philosophy.

Arts: (3 Credits)

Take 3 credits from the General Education distribution list of courses in Art, Music, or Theater.

Professional Courses: (30 - 39 Credits)

Professional Studies Component - assessment by ETES - 21 to 30 credits.

- BUS 2015 - Fundamentals of Management in Business **Credit(s): 3**
Advised Term 1st/2nd Year
- BUS 1210 - Business Software and Spreadsheets **Credit(s): 3**
Advised Term 1st/2nd Year

Guided Electives: (Up To 9 Credits)

Students must complete up to 9 credits of additional course work (e.g., Business, Mathematics/Computer Science, or advisor approved area of study).

General Studies (A.A.) - L

Program Mission Statement

This program is intended to introduce students to the nature and benefits of collegiate level academic study.

Program Goals

This program is designed to provide the student with a firm and broad base in the liberal arts and sciences and an opportunity to pursue further study in areas of interest at an introductory or intermediate level. The Associate of Arts degree in General Studies is available to all qualified students upon filing a request to graduate prior to the final semester of study. This degree is intended to provide a diploma at the end of two years of college study.

Program Assessment

Students must successfully complete the Graduation Standards established by the Vermont State College System.

Requirements for the Associate of Arts in General Studies

Core: 40 Credits

Completion of General Education Core Curriculum for Four-Year Programs.

Elective courses: 20 Credits

Elective courses must be in addition to, and distinct from, the courses included in the General Education Core Curriculum. Courses cannot be counted in both areas.

Minimum required credits for the program: 60

Liberal Studies (B.A.) - L

Minimum required credits for the program: 47 - 48

Requirements for the program

- No more than a total of 6 credits can be taken as Independent Study.
- Co-op, field experience, and practicum credits may not be used for Liberal Studies.
- College Skills courses may not be double-counted for Liberal Studies.
- At most 10 credits may be double counted for General Education Distribution and program requirements.

Students taking Liberal Studies as a second major for Elementary Education should attend to the following points:

- Take MAT 1060 and MAT 2010 to fulfill (or in addition to) the College Skills Mathematics requirements.
- Include an additional MAT class in your course of study, especially if pursuing the Interdisciplinary concentration.

- Include both a literature and a writing class from ENG in your course of study (EDU 3110 may be counted as the literature class).
- Include geography, political science/government, and pre-WWII American history classes in your course of study.

All Liberal Studies students are encouraged to take foreign language courses and SSC 2020 Experience the World as electives to supplement the requirements of the program.

Core: (32 Credits)

- 3 credits from any 1000- or 2000- level CIS, MAT courses
- 6 credits from two different disciplines among any 1000- or 2000-level ARH, ART, FLM, MUS, THA courses (not including MUS 2220, THA 2840, or THA-2845).
- 6 credits from two different disciplines among ENG 1310, any 2000-level ENG, any 1000- or 2000-level HIS, PHI 1010, or any 2000-level PHI.
- 8 credits from two different disciplines among any 1000- or 2000-level lab science from ATM, BIO, CHE, ENV, GEY, and PHY courses.
- 6 credits from two different disciplines among ANT 1030, any 1000- or 2000-level POS, ECO, GEO, SOC or PSY courses (not including PSY 1040, PSY 2270, PSY 2811, and PSY 2812).
- LIB 4810 Liberal Studies Thesis or both EDU 4250 and EDU 4730

Concentrations: (15 - 16 credits)

Fine and Performing Arts

- 15 credits (must include at least nine credits at the 3000- or 4000-level) from ARH, ART, FLM, MUS, THA courses (not including MUS 2220, THA 2840, THA 2845, THA 4210, or THA 4810) or LIB 4801.

Humanities

- 15 credits (must include at least nine credits at the 3000- or 4000-level) from ENG, HIS, or PHI courses, or EDU 3110 (not including PHI-1050) or LIB 4801.

Mathematics and Computer Science

- 15 credits (must include at least nine credits at the 3000- or 4000-level) from CIS or MAT courses or LIB 4801.

Natural Science

- 12 credits (must include at least four credits at the 3000- or 4000-level) from ATM, BIO, CHE, ENV, GEY, PHY, or SCI courses or LIB 4801.
- SCI 4010

Social Science

- 15 credits (must include at least nine credits at the 3000- or 4000-level) from ANT, GEO, POS, SOC, ECO, PSY, or 3000- 4000-level SSC courses (not including PSY 1040, PSY 2270, PSY 2811, PSY 2812, PSY 3080, PSY 3811, PSY 4151, PSY 4720, PSY 4820, PSY 4921, PSY 4922, SSC 4720, or SSC 4740) or LIB 4801.

Interdisciplinary

- 15 - 16 credits (must include at least eight credits at the 3000- or 4000-level) from the concentrations listed above.

Mathematics - Johnson

Faculty/Staff

Chris Aubuchon, *Associate Professor*

Gregory Petrics, *Associate Professor*

Julie Theoret, *Professor, Department Chair*
Administrative Assistant: Shona Sladyk

The Northern Vermont University-Johnson Department of Mathematics offers academically challenging programs along with the personal attention and instruction to help students succeed. Faculty understand the power and the promise of mathematics, and they strive to instill that same sense of awe and enthusiasm in their students. We are living today in what some consider the golden age of mathematics, as the pace of advancements in math parallels the explosive growth in other sciences. Using data, statistics, modeling and analytics, it's possible to unlock many of life's secrets and solve real-world problems.

Faculty provide a context for the "numbers" by teaching the relationships between math and other disciplines, such as history, philosophy and music. Courses focus on class participation and challenge students to think creatively while developing strong critical-thinking and analytical skills.

Mathematics is one of western civilizations' oldest and richest disciplines, and mathematics literacy and competence is an essential skill to have in a global society. The B.S. in Mathematics provides a solid foundation for a variety of careers in business, science and related fields. Students interested in a high school teaching career may pursue secondary mathematics teaching licensure through this program.

Programs

Majors & Concentrations

- Mathematics (A.S.) - J
- Mathematics (B.S.) - J

Minors

- Mathematics Minor - J

The Northern Vermont University-Johnson Department of Mathematics offers courses with the following designator: MAT (mathematics). See full Course Descriptions.

Data Science (B.S.) - J, L

Data Science is an emerging field which uses statistical computation to make data-based decisions, inferences, and predictions. The Data Science skill set is highly sought after in the labor market.

This program takes an interdisciplinary approach to Data Science, drawing on the liberal arts tradition of the Johnson Campus and the technical focus of the Lyndon Campus, to produce graduates who are skilled consumers, creators, and communicators of data and statistical analyses. Foundational technical skills are developed in a sequence of existing courses in the Mathematics and Computer Science Department, career skills are honed by selecting electives from existing courses in the Business or Behavioral Sciences Department, liberal arts skills are acquired through the existing NVU General Education Core Curriculum, and data science-specific skills are developed through targeted coursework.

Student Learning Outcomes

Graduates of the Data Science program will be:

- proficient consumers, creators and communicators of data, including the ability to summarize and visualize data for both technical and general audiences.
- proficient in a computer programming language with extensibility.
- able to apply foundational mathematics and computer science knowledge to problems in data science.
- able to acquire, store and manage data in a variety of formats, and scale.

Bachelor of Science in Data Science (48-50 Credits)

Data Science Course Requirements

- BUS 1210 - Business Software and Spreadsheets **Credit(s): 3**
- CIS 2271 - Java Programming **Credit(s): 3**
- CIS 2330 - Database Systems **Credit(s): 3**
- CIS 3025 - Advanced Object Oriented Programming **Credit(s): 3**
- CIS 3050 - Algorithms and Data Structures **Credit(s): 3**
- CIS 3430 - Data Science I **Credit(s): 4**
- CIS 3440 - Data Science II **Credit(s): 4**
- MAT 1095 - FYS: The Visual Display of Quantitative Information **Credit(s): 3**
- MAT 1531 - Calculus I **Credit(s): 4**
- MAT 2021 - Statistics **Credit(s): 3**
- MAT 3210 - Linear Algebra **Credit(s): 3**
- MAT 3135 - Statistical Computing in R **Credit(s): 3**
- MAT 4930 - Senior Project in Mathematics **Credit(s): 3**

Electives (6-8 Credits)

- ACC 2121 - Financial Accounting **Credit(s): 4**
- BUS 2010 - Project Management **Credit(s): 3**
- BUS 2230 - Principles of Marketing **Credit(s): 3**
- BUS 4030 - Marketing Research **Credit(s): 3**
- CRJ 3085 - Research Design and Analysis **Credit(s): 3**
OR ANT 3120 Science, Research Methods & Ethics,
OR POS 3025 Research Design & Analysis
- MAT 2532 - Calculus II **Credit(s): 4**
OR MAT 2543 Calculus III
- MAT 3240 - Probability Theory with Statistics **Credit(s): 3**

Mathematics (A.S.) - J

This two-year program exposes students to the core principles of mathematics, mathematical thinking, and data driven decision making with statistics. It also provides a strong mathematical foundation for future studies at the bachelor's level.

Required Courses

Core Courses (17 credits)

- MAT 1080 - Introduction to Quantitative Reasoning **Credit(s): 3**
- MAT 1531 - Calculus I **Credit(s): 4**
- MAT 2020 - Mathematical Reasoning **Credit(s): 3**
- MAT 2021 - Statistics **Credit(s): 3**
- MAT 2532 - Calculus II **Credit(s): 4**

Electives (Minimum of 11 credits)

(Complete 11 or more credits)

See any of the mathematics faculty for guidance selecting courses aligned with your goals; note that some courses will incur additional credit requirements due to prerequisites, although these courses may fulfill General Education Requirements.

- MAT 1020 - Intermediate Algebra **Credit(s): 3**
- MAT 1221 - Finite Mathematics **Credit(s): 3**
- MAT 1410 - Pre-Calculus **Credit(s): 4**
- MAT 2810 - Internship in Mathematics **Credit(s): 1-12**
- MAT 2910 - Independent Study in Mathematics **Credit(s): 1-12**
- MAT 3040 - Geometrical Reasoning **Credit(s): 3**
- MAT 3210 - Linear Algebra **Credit(s): 3**
- MAT 3240 - Probability Theory with Statistics **Credit(s): 3**
- MAT 3310 - Differential Equations **Credit(s): 3**
- MAT 3533 - Calculus III **Credit(s): 4**
- MAT 4130 - Abstract Algebra **Credit(s): 3**
- MAT 4140 - Geometry **Credit(s): 3**
- MAT 4710 - Special Topics in Mathematics **Credit(s): Variable**
- CIS 2271 - Java Programming **Credit(s): 3**
- ECO 2060 - Survey of Economics **Credit(s): 4**
- POS 3025 - Research Design & Analysis **Credit(s): 3**
- PSY 2410 - Research Methods in Psychology **Credit(s): 3**

Total: 28 credits

General Education Curriculum Requirements (32 credits)

General Education Curriculum Requirements for an Associate's Degree in Mathematics include the following:

First Year Seminar (3 cr.)

Creative Audience (2 semesters at .5 cr. each semester)

Natural Science with a Lab (4 cr.)

Written Expressin (6 cr.)

Aesthetic Perspective (6 cr.)

Global Perspective (6 cr.)

Social & Historical Perspective (6 cr.)

Please refer to the links under "Important" below for more information.

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* meet all other Degree Requirements, including the General Education Core Curriculum and NVU Graduation Standards.

Mathematics (B.S.) - J

The B.S. in mathematics provides students with an opportunity to study one of western civilization's oldest and richest disciplines. In addition to the intrinsic value of the study of mathematics as a liberal art, the mathematics degree provides the foundation for a variety of careers in business, scientific and related fields. Students desiring preparation for a high school teaching career may also earn secondary mathematics teaching licensure.

Learning Outcomes for Mathematics Majors

The mathematics program aims to produce graduates who are knowledgeable and skillful users and communicators of mathematics. The learning outcomes are broken into two categories: content knowledge outcomes and capstone outcomes. The content knowledge outcomes are assessed by the Core Assessment Exam, which students take after they have completed the required core courses in the major. The capstone outcomes are assessed when students present their senior projects.

Content Knowledge Outcomes

Upon completion of the core requirements, students will be able to:

Calculus I:

- apply the limit definition of the derivative and use it to calculate the instantaneous rate of change of a function.
- calculate the derivative of any algebraic or transcendental function.
- use the derivative to solve real-world problems.
- apply the Fundamental Theorem of Calculus.

Calculus II:

- apply integration techniques to a variety of algebraic and transcendental functions.
- use the definite integral (and limits of sums) to solve real-world problems.
- determine whether an infinite series converges and, when possible, find its sum.

Linear Algebra:

- use matrices to solve real-world problems
- use the RREF form of a matrix in a variety of ways (including solving systems of linear equations; testing for linear independence, spanning, and to determine whether a set of vectors forms a basis; finding eigenvectors)
- prove some basic properties of matrices, vectors and linear transformations

Statistics:

- apply the normal or binomial distribution to solve certain probability problems.
- calculate probabilities and apply them to determine the unusualness of events.
- create and use descriptive statistics to summarize, analyze and compare data sets.
- explain the importance of random/probability sampling.

Mathematical Reasoning:

- apply the working tools of predicate logic.
- construct a lucid mathematical proof that demonstrates the logic while using proper grammar and precise mathematical notation.
- explore complex and unfamiliar mathematical ideas while effectively communicating these ideas both orally and in writing.

Capstone Outcomes:

Students will:

- be able to explain main ideas of mathematics clearly, in writing and orally.
- develop the ability to read mathematics independently.
- deepen their own mathematical knowledge by applying previous mathematical learning to new mathematical thinking, concepts and ideas.

Required Courses

Core Courses (17 credits)

Students must pass a core assessment examination upon completion of the core requirements.

- MAT 1531 - Calculus I **Credit(s): 4**
- MAT 2020 - Mathematical Reasoning **Credit(s): 3**
- MAT 2021 - Statistics **Credit(s): 3** (or MAT 2030 - Probability & Statistics, if taken and passed prior to Fall 2018)
- MAT 2532 - Calculus II **Credit(s): 4**
- MAT 3210 - Linear Algebra **Credit(s): 3**

Other Required Courses (6-7 credits)

- PHY 2031 - Fundamental Physics I **Credit(s): 4 OR**
- CIS 2271 - Java Programming **Credit(s): 3**

AND

- INT 3150 - Gödel, Escher, Bach: An Eternal Golden Braid **Credit(s): 3**
(Required for students seeking teaching endorsement in math)

Elective Courses (Minimum of 15 credits)

(Take at least 15 credits)

- MAT 3240 - Probability Theory with Statistics **Credit(s): 3 ***
- MAT 3310 - Differential Equations **Credit(s): 3**
- MAT 3533 - Calculus III **Credit(s): 4**
- MAT 4130 - Abstract Algebra **Credit(s): 3 ***
- MAT 4140 - Geometry **Credit(s): 3 ***
- MAT 4710 - Special Topics in Mathematics **Credit(s): Variable**

*The above courses with an asterisk are all required for Secondary Teaching Endorsement in Mathematics Education.

Capstone Requirement (3 credits)

- MAT 4930 - Senior Project in Mathematics **Credit(s): 3** (Required for students seeking teaching endorsement in math)

Total: 41-42 credits

Students must earn a grade of C or better in each of the required core courses and in each of the elective courses used to satisfy their degree program requirements.

Note: *It is also recommended that students take a course in economics.*

Secondary Teaching License in Mathematics

Students pursuing licensure endorsement to teach mathematics in grades 7-12 must successfully complete either the Mathematics (B.S.) - J as well as specific teacher-education coursework and requirements. Please refer to the Secondary Teacher License Endorsement - J section for details.

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* meet all other Degree Requirements, including the General Education Core Curriculum and NVU Graduation Standards.

Mathematics Minor - J

Students desiring a minor in mathematics must complete the following requirements:

Required Courses (17 credits)

- MAT 1531 - Calculus I **Credit(s): 4**
- MAT 2020 - Mathematical Reasoning **Credit(s): 3**
- MAT 2021 - Statistics **Credit(s): 3**
- MAT 2532 - Calculus II **Credit(s): 4**
- MAT 3210 - Linear Algebra **Credit(s): 3**

Elective (3-4 credits)

- MAT 3533 - Calculus III **Credit(s): 4** (or any mathematics course at the 3000/4000 level)

Total: 20-21 credits

Students must earn a grade of C or better in all courses for the minor in mathematics.

Mathematics and Computer Science - Lyndon

Daniel Daley, *Associate Professor*

Kevin Farrell, *Professor*

Daisy McCoy, *Professor*

Bachelor of Arts in Mathematics

Bachelor of Science in Computer Information Systems

- **Software Engineering**
- **Information Technology**

Associate of Science in Computing

Minor: Mathematics

Mission Statement

Mathematics prepares students for a wide range of positions in fields such as teaching, engineering, finance, insurance, investments, social services, government, industry, and higher education. Northern Vermont University-Lyndon Mathematics students benefit from the individual attention of professors as well as the program's combination of practical and theoretical knowledge. Another mission of the department is to provide quality service to the other academic units of the University.

The Computer Information Systems curriculum prepares students for a diverse ranges of employment in the computing field. Students are exposed to many aspects of the computing field including systems analysis, software development, and computer networking and security. Students learn to use computers to solve problems in a laboratory environment while working both independently and as part of a team.

Bachelor of Art in Mathematics

Program Goals & Description

The department prepares students for a large variety of career opportunities. This goal is supplemented by a curriculum that ensures that each student graduates with both theoretical and applied knowledge in their field. This is accomplished, in part, by the use of technology, which is integrated throughout the curriculum. Graphing calculators and computer software are employed to help introduce concepts and as an aid in understanding the subject matter. The use of these tools also enables students to learn independently which is an important asset in any future career.

Student Learning Outcomes

Students majoring in mathematics

- will be able to communicate mathematics to others.
- will be able to apply mathematics to any area of study by modeling and solving problems using mathematical tools and technology and will be able to interpret the results.
- will be able to evaluate the accuracy and appropriate use of mathematical statements in the media and in statistical reports.
- will be able to write a convincing proof.
- will be able to recognize a correct proof.

Assessing Student Learning Outcomes

The department's primary method of measuring student achievement levels is through the Senior Seminar. A rubric is used to measure the effectiveness of the department's efforts to enhance student achievement levels on each Student Learning Outcome as presented in the Seminar.

Bachelor of Science in Computer Information Systems and Associate of Science in Computing

Program Goals

The department offers computer science course work leading to a Bachelor's Degree in Computer Information Systems and an Associate's Degree in Computing. Recipients of the A.S. degree might seek employment immediately or they might continue their education. Graduates may seek employment as computer programmers, software engineers, or information technology professionals. The A.S. Degree in Computing can be used to complement a Bachelor's Degree in another major at Northern Vermont University. Typical majors making this choice are in Business, Mathematics, and Atmospheric Sciences.

Student Learning Outcomes

Graduates of the Computer Sciences programs will be able to:

- Demonstrate competency in understanding and working with computer hardware, computer networks, and computer security
- Demonstrate proficiency in designing and developing websites and/or related web application programs
- Demonstrate capability to design, build, and utilize databases in software solutions
- Demonstrate fluency in multiple high-level programming languages and paradigms, and exhibit this knowledge when building computer software solutions

- Demonstrate capability to meet the computer technology needs of an organization; including troubleshooting technical issues, maintaining the infrastructure, storing data, and securing proprietary information (Information Technology concentration only)

Assessing Student Learning Outcomes

All CIS majors will be assessed as part of their CIS coursework. Rubrics are used to measure the effectiveness of the department's efforts to enhance student achievement levels on each Student Learning Outcome.

Computer Information Systems (B.S.) - L

Minimum required credits required for the program: 56 - 61

In addition to the requirements below, students majoring in Computer Information Systems are required to complete MAT 2021, Statistics, as part of their General Education Core Curriculum Mathematics and Computing in the World (NMCW) requirement.

Core (41 Credits)

- CIS 1050 - Computer Operation Systems and Spreadsheets **Credit(s): 1**
Advised Term 1st Year
- CIS 1060 - Introduction to Databases **Credit(s): 1**
Advised Term 1st Year
- CIS 1090 - Problem Solving with Computers **Credit(s): 3**
Advised Term 1st Year
- CIS 2112 - Computer Hardware & Organization **Credit(s): 3**
Advised Term 2nd or 3rd Year
- CIS 2141 - Programming Internet and Web Applications Part I **Credit(s): 3**
Advised Term 1st or 2nd year
- CIS 2271 - Java Programming **Credit(s): 3**
Advised Term 2nd Year
- CIS 2330 - Database Systems **Credit(s): 3**
Advised Term 2nd Year
- CIS 3025 - Advanced Object Oriented Programming **Credit(s): 3**
Advanced Term 2nd or 3rd Year
- CIS 3110 - Networking **Credit(s): 3**
Advised Term 2nd or 3rd Year
- CIS 3120 - Programming Internet and Web Applications Part II **Credit(s): 3**
Advised Term 2nd or 3rd Year **Credits / Units: 3**
- CIS 3240 - Computer Security **Credit(s): 3**
Advised Term 2nd or 3rd Year
- CIS 4120 - Systems Analysis and Design **Credit(s): 3**
Advised Term 3rd or 4th Year
- CIS 4810 - Internship in Computer Science **Credit(s): 3**
Advised Term 3rd or 4th Year
- MAT 2210 - Sets, Logic, and Proof **Credit(s): 3**
Advised Term 3rd or 4th Year
- CIS 4950 - CIS Capstone **Credit(s): 3**
Advised Term 4th Year

Software Engineering Concentration (15 Credits)

- CIS 3050 - Algorithms and Data Structures **Credit(s): 3**
Advised Term 2nd or 3rd Year
- BUS 2015 - Fundamentals of Management in Business **Credit(s): 3**
Advised Term 2nd Year
- CIS 4520 - Advanced Software Technologies **Credit(s): 3**
Advised Term 4th Year

Electives

Choose at least 3 credits from the following:

- CIS 2060 - Programming with FORTRAN **Credit(s): 3**
Advised Term 2nd or 3rd Year
- CIS 2101 - Introduction to Unix **Credit(s): 1**
Advised Term 3rd or 4th Year
- CIS 2142 - Advanced Visual Basic **Credit(s): 3**
Advised Term 2nd or 3rd Year
- CIS 2279 - Introduction to Perl Programming **Credit(s): 1**
Advised Term 3rd or 4th Year
- CIS 2290 - Introduction to Python **Credit(s): 1**
Advised Term 3rd or 4th Year

Information Technology Concentration (20 Credits)

- CIS 2101 - Introduction to Unix **Credit(s): 1**
Advised Term 2nd or 3rd Year
- CIS 2370 - Help Desk Support **Credit(s): 3**
Advised Term 2nd or 3rd Year
- CIS 2850 - System Administration Essentials **Credit(s): 4**
Advised Term 2nd or 3rd Year
- CIS 3750 - Cloud Computing **Credit(s): 4**
Advised Term 3rd or 4th Year
- CIS 4330 - Advanced Networking **Credit(s): 4**
Advised Term 3rd or 4th Year
- CIS 4350 - Advanced Computer Security **Credit(s): 4**
Advised Term 3rd or 4th Year

Computing (A.S.) - L

Minimum required credits for the program: 25

Requirements for the program

- CIS 1090 - Problem Solving with Computers **Credit(s): 3**
Advised Term 1st Year
- CIS 2141 - Programming Internet and Web Applications Part I **Credit(s): 3**

- Advised Term 2nd Year
- CIS 2142 - Advanced Visual Basic **Credit(s): 3**
Advised Term 2nd Year
- CIS 2330 - Database Systems **Credit(s): 3**
Advised Term 1st/2nd Year
- CIS 2271 - Java Programming **Credit(s): 3**
Advised Term 1st Year
- CIS 2990 - Portfolio **Credit(s): 1**
Advised Term 2nd Year
- CIS 3050 - Algorithms and Data Structures **Credit(s): 3**
Advised Term 2nd Year
- CIS 3110 - Networking **Credit(s): 3**
Advised Term 2nd Year
- MAT 2021 - Statistics **Credit(s): 3**
Advised Term 2nd Year

Mathematics (B.A.) - L

Minimum required credits for the program: 40

Mathematics majors are encouraged to complete a minor in another discipline or have a supportive area approved by the department.

Requirements for the program

Core Courses (34-37 Credits)

- MAT 1430 - Trigonometry for Calculus **Credit(s): 1**
Advised Term 1st Year
- MAT 2021 - Statistics **Credit(s): 3**
Advised Term 1st Year
- MAT 2544 - Vector Calculus **Credit(s): 1**
Advised Term 2nd Year
- MAT 2820 - Mathematics Tutoring Practicum **Credit(s): 2-4**
Advised Term 2nd Year
- MAT 3210 - Linear Algebra **Credit(s): 3**
Advised Term 2nd Year
- MAT 3310 - Differential Equations **Credit(s): 3**
Advised Term 3rd Year
- MAT 3533 - Calculus III **Credit(s): 4**
Advised Term 3rd Year
- MAT 3730 - Topics in Differential Equations **Credit(s): 3**
Advised Term 3rd Year
- MAT 4040 - Complex Analysis **Credit(s): 3**
Advised Term 4th Year
- MAT 4120 - Numerical Analysis **Credit(s): 3**
Advised Term 4th Year
- MAT 4990 - Senior Seminar **Credit(s): 1**
Advised Term 4th Year

Elective Courses (6 Credits)

Students must take at least 6 credits from MAT, CIS, ATM, PHY, and/or other courses approved by the department. These could include practicum and/or internships. If MAT 2820, Mathematics Tutoring Practicum, is used to satisfy this requirement, at least 4 credits must involve tutoring courses at the 3000/4000 level.

Mathematics Minor - L

Minimum required credits for the minor: 20

Requirements for the Minor

- MAT 1430 - Trigonometry for Calculus **Credit(s): 1**
- MAT 2021 - Statistics **Credit(s): 3**
- MAT 2544 - Vector Calculus **Credit(s): 1**
- MAT 3310 - Differential Equations **Credit(s): 3**

Mountain Recreation Management - Lyndon

Sean Doll, *Associate Professor*

Benjamin Mirkin, *Assistant Professor*

James Noyes, *Assistant Professor*

Benjamin Rush, *Assistant Professor*

Bachelor of Science in Outdoor Education, Leadership, and Tourism

-Adventure Education

-Mountain Resort Management

Outdoor Education, Leadership, and Tourism (OELT) students have numerous opportunities to add value to their degrees and job opportunities through specialized program choices, including:

Minors/Associate Degree Programs in Other Departments:

- Business Marketing
- Business Administration
- Photography
- Criminal Justice
- Geology
- Psychology and Human Services, etc.

Certifications:

- Wilderness First Responder (WFR)
- Cardiopulmonary Resuscitation (CPR)
- Automated External Defibrillator (AED)
- Leave No Trace Master Education (LNT)
- Outdoor Emergency Care (OEC)
- State of Vermont Life Apprentice Level I
- American Canoe Association (ACA) Levels 1-4

Certificates of Completion:

- Avalanche Level I & II (AIARE)
- Geographic Information Systems (ESRI)
- American Mountain Guides Association (AMGA) Single pitch instructor (SPI) course

Mission Statement

The Northern Vermont University-Lyndon Outdoor Education, Leadership, and Tourism Department inspires critical thinking, personal growth, and professional development in future mountain recreation leaders through the mastery of both technical and interpersonal skills.

Program Goals

The program goals of the NVU-Lyndon Outdoor Education, Leadership, and Tourism Department bond the two concentrations of Adventure Education and Mountain Resort Management across a core curriculum. Students who graduate from the program will have:

- strong written and verbal communication skills as well as the ability to design, conduct, and analyze research
- an understanding of the leisure needs and behaviors of diverse populations along with a commitment to community service
- an environmental awareness and appreciation combined with sound resource management skills
- knowledge through applied experiences, problem solving, and the ability to think logically and critically
- individual, group, and organizational leadership skills
- an appreciation for the importance of a sound work ethic

Program Description

The Department offers two concentrations in the baccalaureate program: Adventure Education and Mountain Resort Management. The concentrations require 38-44 credits of core courses, which include content in: leisure history and philosophy; planning and development of programs and services; management principles and practices; research methods and implementation; recreation resource management policy and practice; leadership applications; and computer skills. As a part of the core, students participate in a common outdoor education practicum, as well as sophomore field practicum, research projects, and senior internship experiences specific to their concentration.

Student Learning Outcomes

- Upon graduation, recreation majors will be able to: plan, implement, and evaluate a program to meet diverse leisure needs served by the public and private sectors of the recreation industry
- apply appropriate use of current technology for recreation field related problems
- conduct research consistent with the scientific methods to objectively solve problems within the recreation profession

Concentration Requirements and Career Opportunities

The **Adventure Education** concentration prepares students for career opportunities as outdoor instructors, ski and climbing guides, expedition leaders, program directors and administrators in wilderness therapy, commercial adventure-based programs, outdoor environmental education centers, college outdoor programs, recreation departments, and other public and private organizations. Classroom experiences provide students with a theoretical understanding of adventure education, experiential learning, program development, risk management, environmental stewardship, and leadership. Field-based courses, practicum, and internship experiences provide students with opportunities to develop the personal characteristics and technical skills necessary for the practice of safe, high quality adventure programs. This program highlights integrated technology, mapping & planning, and adventure skills training in rock climbing, ice climbing, mountaineering, backcountry skiing/riding, mountain biking, canoeing, sea kayaking, whitewater kayaking, orienteering, ropes and challenge course facilitation, expedition planning and leadership. Expeditions travel both domestically and internationally as well as use the Green Mountains of Vermont and the White Mountains of New Hampshire as our local learning laboratories.

Mountain Resort Management students embark on their education through introductory courses orienting them to resort operations and functions. They learn about all facets of the mountain resort and how each department functions. As sophomores, students engage in more than 200 hours of field experiences at various resorts throughout Vermont and New Hampshire and begin applying the theories and lessons from their freshman year to real world, field-based applications. Students work side-by-side with industry professionals and attend resort seminars focused on industry trends and issues. During their second and third year, students are also honing their understanding of specifics in the mountain resort industry in courses such as Public Relations and Risk Management. An additional minimum of 450 hours is spent in a senior internship at a resort matching the student's career interests. Students may also choose to graduate with an Associate of Science degree in Business Administration or Marketing. Graduates find careers in diverse functions in both mountain services and mountain operations at resorts throughout the country. After sophomore year, students have the option of selecting courses from either the Mountain Operations or the Resort Management elective groups.

Adventure Education Minor - L

21 Credits

Adventure Education

- OEL 1000 - Introduction to Outdoor Education **Credit(s): 3**
- OEL 1080 - Leadership and Small Group Dynamics **Credit(s): 3**
- OEL 1810 - Outdoor Education Practicum **Credit(s): 3**
- OEL 2060 - Wilderness First Responder **Credit(s): 3**
- OEL 3070 - Adventure Education Theory and Practice **Credit(s): 3**

Take six credits of Skills courses (e.g. OEL 1121, Fundamentals of Rock Climbing)

Mountain Operations Minor - L

21 Credits

Mountain Operations

- BUS 1210 - Business Software and Spreadsheets **Credit(s): 3**
- OEL 1080 - Leadership and Small Group Dynamics **Credit(s): 3**
- OEL 1140 - Introduction to Mountain Resort Management **Credit(s): 3**
- OEL 2050 - Outdoor Emergency Care **Credit(s): 4**
- OEL 2060 - Wilderness First Responder **Credit(s): 3**
- OEL 2210 - Lift Functions and Maintenance **Credit(s): 3**
- OEL 2852 - Snow Maintenance **Credit(s): 3**
- OEL 2855 - Summer Mountain Operations **Credit(s): 3**
- OEL 3050 - Resort Law and Risk Management **Credit(s): 3**

Mountain Resort Management (A.S.) - L

Minimum Credits Required for Program: 30 Credits

Core (21 Credits)

- BUS 1210 - Business Software and Spreadsheets **Credit(s): 3**
- ENV 1080 - Introduction to Environmental Science **Credit(s): 4**
- OEL 1010 - Leisure and Tourism in Society **Credit(s): 3**
- OEL 1080 - Leadership and Small Group Dynamics **Credit(s): 3**
- OEL 1140 - Introduction to Mountain Resort Management **Credit(s): 3**
- OEL 1810 - Outdoor Education Practicum **Credit(s): 3**
- OEL 2230 - Mountain Resort Software Technologies **Credit(s): 3**

Elective Credits (9-10 Credits)

Choose 3 of the following:

- OEL 2050 - Outdoor Emergency Care **Credit(s): 4**
- OEL 2210 - Lift Functions and Maintenance **Credit(s): 3**
- OEL 2852 - Snow Maintenance **Credit(s): 3**
- OEL 2855 - Summer Mountain Operations **Credit(s): 3**

Outdoor Education, Leadership, and Tourism (B.S.): Adventure Education Concentration - L

Minimum required credits for the program: 62-64

NVU OELT Core Courses

31-33 Credits

- ENV 1110 - Introduction to Environmental Problems **Credit(s): 3 OR**

- ENV 2090 - Sustainable Living **Credit(s): 3**
- OEL 1010 - Leisure and Tourism in Society **Credit(s): 3**
- OEL 1080 - Leadership and Small Group Dynamics **Credit(s): 3**
- OEL 1810 - Outdoor Education Practicum **Credit(s): 3**
- OEL 2720 - OELT Internship Seminar **Credit(s): 1**
- OEL 3010 - Learning in the Outdoors **Credit(s): 4 OR**
- OEL 3020 - Program and Event Planning **Credit(s): 3**
- OEL 3030 - Outdoor Program Planning & Administration **Credit(s): 3 OR**
- OEL 4020 - Management in Mountain Recreation Services **Credit(s): 3**
- OEL 4740 - Research and Evaluation Capstone **Credit(s): 4**
- OEL 4810 - Internship in Outdoor Education, Leadership, and Tourism **Credit(s): 6-15**
- PSY 1010 - Introduction to Psychology **Credit(s): 3**

Adventure Education Concentration

31 Credits

- BUS 1210 - Business Software and Spreadsheets **Credit(s): 3**
- OEL 1000 - Introduction to Outdoor Education **Credit(s): 3**
- OEL 2060 - Wilderness First Responder **Credit(s): 3**
- OEL 2900 - Outdoor Expedition **Credit(s): 1-4**
- OEL 3070 - Adventure Education Theory and Practice **Credit(s): 3**
- OEL 3240 - Backcountry Leadership **Credit(s): 3**
- OEL 3850 - Adventure Programming **Credit(s): 4**

Outdoor Skills Courses

Take at least 8 credits from the following courses, with a minimum of 5 credits in one skills area.

- OEL 1121 - Fundamentals of Rock Climbing **Credit(s): 2**
- OEL 1122 - Fundamentals of Mountain Biking **Credit(s): 1**
- OEL 1123 - Fundamentals of Canoeing **Credit(s): 1**
- OEL 1125 - Fundamentals of Kayaking **Credit(s): 1**
- OEL 1126 - Fundamentals of Ice Climbing **Credit(s): 1**
- OEL 1127 - Fundamentals of Alpine Climbing **Credit(s): 1**
- OEL 1128 - Level I Avalanche and Companion Rescue **Credit(s): 2**
- OEL 2121 - Advanced Single Pitch Rock Climbing **Credit(s): 3**
- OEL 2122 - Advanced Mountain Biking **Credit(s): 2**
- OEL 2123 - Advanced Canoeing **Credit(s): 2**
- OEL 2125 - Advanced Kayaking **Credit(s): 2**
- OEL 2126 - Advanced Ice Climbing **Credit(s): 2**
- OEL 2127 - Advanced Alpine Climbing **Credit(s): 2**
- OEL 2128 - Level II Avalanche **Credit(s): 2**
- OEL 2150 - Advanced Backcountry Skiing and Riding **Credit(s): 2**

- OEL 3121 - Advanced Rock Climbing and Rescue **Credit(s): 3**

Outdoor Education, Leadership, and Tourism (B.S.): Mountain Resort Management Concentration - L

Minimum required credits for the program: 64

NVU OELT Core Courses

31-33 Credits

- ENV 1110 - Introduction to Environmental Problems **Credit(s): 3 OR**
- ENV 2090 - Sustainable Living **Credit(s): 3**

- OEL 1010 - Leisure and Tourism in Society **Credit(s): 3**
- OEL 1080 - Leadership and Small Group Dynamics **Credit(s): 3**
- OEL 1810 - Outdoor Education Practicum **Credit(s): 3**
- OEL 2720 - OELT Internship Seminar **Credit(s): 1**

- OEL 3010 - Learning in the Outdoors **Credit(s): 4 OR**
- OEL 3020 - Program and Event Planning **Credit(s): 3**

- OEL 3030 - Outdoor Program Planning & Administration **Credit(s): 3 OR**
- OEL 4020 - Management in Mountain Recreation Services **Credit(s): 3**

- OEL 4740 - Research and Evaluation Capstone **Credit(s): 4**
- OEL 4810 - Internship in Outdoor Education, Leadership, and Tourism **Credit(s): 6-15**
- PSY 1010 - Introduction to Psychology **Credit(s): 3**

Mountain Resort Mgmt Concentration Required Courses

23 Credits

- BUS 1210 - Business Software and Spreadsheets **Credit(s): 3**
- OEL 1140 - Introduction to Mountain Resort Management **Credit(s): 3**
- OEL 2230 - Mountain Resort Software Technologies **Credit(s): 3**
- OEL 2841 - Mountain Resort Management Practicum I **Credit(s): 4**
- OEL 2842 - Mountain Resort Management Practicum II **Credit(s): 4**
- OEL 3050 - Resort Law and Risk Management **Credit(s): 3**
- OEL 3110 - Public Relations **Credit(s): 3**
or COM 2085 (Public Relations, Advertising, and Marketing)

Choose Either Mountain Operations or Resort Management Group

Mountain Operations Group

Choose 3 courses from:

- OEL 2050 - Outdoor Emergency Care **Credit(s): 4**
- OEL 2210 - Lift Functions and Maintenance **Credit(s): 3**
- OEL 2852 - Snow Maintenance **Credit(s): 3**
- OEL 2855 - Summer Mountain Operations **Credit(s): 3**

Resort Management Group

Choose 3 courses from:

- ANT 3070 - Ecotourism **Credit(s): 3**
- COM 3080 - Strategic Media Communications **Credit(s): 3**
- MBI 3330 - Venue Management **Credit(s): 3**
- OEL 2050 - Outdoor Emergency Care **Credit(s): 4**
- OEL 2855 - Summer Mountain Operations **Credit(s): 3**

Resort Management Minor - L

21 Credits

Resort Management

- BUS 1210 - Business Software and Spreadsheets **Credit(s): 3**
- OEL 1080 - Leadership and Small Group Dynamics **Credit(s): 3**
- OEL 1140 - Introduction to Mountain Resort Management **Credit(s): 3**
- OEL 2230 - Mountain Resort Software Technologies **Credit(s): 3**
- OEL 2855 - Summer Mountain Operations **Credit(s): 3**
- OEL 3020 - Program and Event Planning **Credit(s): 3**
- OEL 3050 - Resort Law and Risk Management **Credit(s): 3**

Wilderness Leadership Minor - L

21 Credits

Wilderness Leadership

- OEL 1000 - Introduction to Outdoor Education **Credit(s): 3**
- OEL 1810 - Outdoor Education Practicum **Credit(s): 3**
- OEL 2060 - Wilderness First Responder **Credit(s): 3**
- OEL 2900 - Outdoor Expedition **Credit(s): 1-4**
- OEL 3240 - Backcountry Leadership **Credit(s): 3**
- OEL 3850 - Adventure Programming **Credit(s): 4**

Take a minimum of 1 credit of Skills courses (e.g. OEL 1121, Fundamentals of Rock Climbing).

Music and Performing Arts - Lyndon

Joseph Gittleman, *Associate Professor*

Timothy D. Saeed, *Assistant Professor*

Brian Warwick, *Assistant Professor*

Bachelor of Science in Music Business and Industry

- Audio Production
- Music Management
- Music and Self-Promotion

Associate of Science in **Music Business and Industry**

Minors: **Music, Theater**

Mission Statement

The Northern Vermont University-Lyndon Department of Music and Performing Arts provides students with the opportunities to explore a diverse network of the music industry and to foster high-standard professional ethics to successfully contribute to the development of the contemporary entertainment culture. The Department of Music and Performing Arts prioritizes students' creativity and professional flexibility. Through a wide range of courses, the department encourages students to explore their abilities and talents and to integrate them into the development of professional ethics and aesthetics. It is also our mission to prepare students for a changing job environment: working across the fields helps students realize their creativity and establish their professionalism.

Program Goals

The Department of Music and Performing Arts strives to:

- provide students with an essential understanding of the music and entertainment industry through a profound engagement with national and international experiences
- provide students with strategies to navigate music industry enterprises, employing a profound knowledge of music composition, production, and technology
- develop and maintain students' artistic creativity through the participation in a variety of music projects
- enhance students' awareness of professional ethics by introducing the vital principles of music production and performance
- develop students' ability to work across the fields, employing diverse experiences for professional improvements and self-development

Program Description

The NVU-Lyndon Department of Music and Performing Arts provides versatile programs of study that encourage students to acquire, develop, and improve knowledge, abilities, and skills vital for a successful cooperation in the sphere of the music and entertainment industry. Engaging in a variety of educational projects, students better their understanding of the mechanics and principles of the music and entertainment industry. Our multi- and interdisciplinary programs aim to provide diverse creative experiences, introducing students to professional multitasking, and preparing them for a successful performance in practical and academic spheres.

The NVU-Lyndon Department of Music and Performing Arts offers a Bachelor of Science in Music Business and Industry degree with concentrations in Audio Production, Music Management, and Music and Self-Promotion. Through these areas of study, students obtain knowledge and experience, laying a foundation for success in a variety of career paths in and outside the recording studio:

- Audio Engineering
- Music Production
- Live Sound Production
- Audio Post-Production
- Artist Management
- Concert Booking & Promotion
- Event Management
- Publishing & Music Supervision
- Songwriting & Performance

The knowledge and experience students receive through the programs offered by the department equip them for success and advancement, allowing them to effectively responding to the contemporary professional challenges.

The NVU-Lyndon Department of Music and Performing Arts also offers an Associate of Science in Music Business and Industry degree with three distinct programs, focusing on professional study and career preparation: Audio Engineering, Music Management, and Music and Self-Promotion. Students interested in two-year programs will benefit from this opportunity to diversify their education and qualifications; Associate of Science programs also serve as a supplement to a number of four-year programs offered at Northern Vermont University.

Student Learning Outcomes

Students in the Music Business and Industry program will demonstrate the ability to:

- critically engage with multiple sectors of the music and entertainment industry and productively respond to the latest music developments
- creatively design, produce, and market commercial products based on principles of event management, music production and technology
- effectively collaborate to achieve project goals while meeting music and entertainment industry standards

Program Assessment

The programs offered by the NVU-Lyndon Department of Music and Performing Arts are regularly revised on the basis of recommendations and feedback received through assessment gathering information tools. With participation of highly-qualified professionals working in the music and entertainment industry, recent alumni, representatives of NEASC (New England Association of Schools and Colleges), the program review process, based on reliable statistics, aims to provide students with the education which helps build competitive professional portfolios.

To develop programs, the department's faculty regularly review internship opportunities, monitor job placements and accomplishments of graduates, adjust curricula to include current trends in the music business. Faculty also demonstrate active involvement in the music and entertainment industry, which maintains the reputation of the department as a unit that offers up-to-

date education and qualifications, and which serves as a strong inspirational impetus for students' career ambitions. In addition, the faculty participate in academic and professional seminars, conferences, and workshops in order to stay informed about national and international standards in the music and entertainment industry.

The department's comprehensive assessment procedures are available on request. Outcomes are assessed through a variety of capstone projects and established rubrics.

Acceptance into the Music & Performing Arts Bachelor Degree Programs

Upon completion of the first year of study, students planning to major in Music Business and Industry (MBI) must formally request acceptance into the program. Requirements for acceptance include: successful completion of the first year of academic courses (good academic progress is expected), completion of MBI 1360 "Introduction to the Music Industry" with a minimum grade of C, submission of a current resume, and an endorsement of the full-time faculty in the department.

Music Business and Industry (A.S.) - L

Minimum required credits for the program: 31-32

Required Courses: (22 credits)

- BUS 2015 - Fundamentals of Management in Business **Credit(s): 3**
- BUS 2230 - Principles of Marketing **Credit(s): 3**
- MBI 1025 - First-Year Music Seminar **Credit(s): 3**
- MBI 1360 - Introduction to the Music Industry **Credit(s): 3**
- MBI 2420 - Artist Management and Development **Credit(s): 3**
- MUS 2410 - Collaborative Creativity in Music **Credit(s): 1**

Choose one of the following:

- MBI 3210 - Music Publishing **Credit(s): 3**
- MBI 4220 - Entrepreneurship in the Music Industry **Credit(s): 3**

Choose one of the following:

- MUS 1085 - Elements of Music **Credit(s): 3**
- MUS 1041 - Class Piano I **Credit(s): 3**

Choose one Focus Area:

Audio Engineering Focus

9 Credits

- MBI 2160 - Digital Recording Techniques **Credit(s): 3**
- MBI 2170 - Introduction to Audio Engineering **Credit(s): 3**

Choose one of the following:

- MBI 3180 - Live Sound Reinforcement **Credit(s): 3**

- MBI 3220 - Advanced Audio Production **Credit(s): 3**

Music & Self-Promotion Focus

10 Credits

- MUS 1431 - Music Theory I and Ear Training **Credit(s): 3**
 - MUS 2070 - Basic Songwriting **Credit(s): 3**
- Choose one of the following options:**
- MBI 2315 - Record Label Practicum: Production **Credit(s): 2**
AND
 - MBI 2325 - Record Label Practicum: Marketing **Credit(s): 2**
- OR
- MUS 3055 - Rock and Roll: Form and Style **Credit(s): 4**

Music Management Focus

9 Credits

- BUS 1210 - Business Software and Spreadsheets **Credit(s): 3**
 - BUS 3131 - Business Law I **Credit(s): 3**
- Choose one of the following:**
- MBI 3310 - Event Management and Promotion **Credit(s): 3**
 - MBI 3330 - Venue Management **Credit(s): 3**

Music Business and Industry (B.S.) - L

Minimum required credits for the program: 60-63

Requirements for the program: Core and a Concentration.

Core: (38 Credits)

- BUS 2015 - Fundamentals of Management in Business **Credit(s): 3**
- BUS 3131 - Business Law I **Credit(s): 3**
- MBI 1025 - First-Year Music Seminar **Credit(s): 3**
- MBI 1360 - Introduction to the Music Industry **Credit(s): 3**
- MBI 3210 - Music Publishing **Credit(s): 3**
- MBI 4220 - Entrepreneurship in the Music Industry **Credit(s): 3**
- MBI 4720 - Professional Development Seminar **Credit(s): 3**
- MBI 4810 - Music and Performing Arts Internship **Credit(s): 1-6 (6 credits of MBI 4810 are required)**
- MUS 1085 - Elements of Music **Credit(s): 3**

Note: If MUS 1085 is waived by evaluation, students must choose a replacement course from MUS 1041, MUS 1042, MUS 1431, MUS 2280, MUS 2341, MUS 2342, or MUS 3342. Students in the Music & Self-Promotion Concentration may not use MUS 1431 as a replacement for MUS 1085 in the core.

- MUS 2410 - Collaborative Creativity in Music **Credit(s): 1 (2 credits of MUS 2410 are required)**

Choose One of the Following:

- MUS 3330 - Worlds of Music **Credit(s): 3**
- MUS 3350 - Music of the Americas (L) **Credit(s): 3**

Concentrations

Music Management Concentration: (22-23 credits)

- ACC 2121 - Financial Accounting **Credit(s): 4**
- BUS 1210 - Business Software and Spreadsheets **Credit(s): 3**
- BUS 2140 - Personal Finance **Credit(s): 3**
- MBI 2420 - Artist Management and Development **Credit(s): 3**

Choose one of the following:

- MBI 3310 - Event Management and Promotion **Credit(s): 3**
- MBI 3330 - Venue Management **Credit(s): 3**

Choose one of the following options:

Take these two courses

- MBI 2315 - Record Label Practicum: Production **Credit(s): 2**
- MBI 2325 - Record Label Practicum: Marketing **Credit(s): 2**

OR

Take this course

- MBI 3420 - Contemporary Issues in Music Management **Credit(s): 3**

Choose one of the following:

- BUS 2230 - Principles of Marketing **Credit(s): 3**
- BUS 3240 - Global Business **Credit(s): 3**
- BUS 3250 - Organizational Behavior & Management **Credit(s): 3**

Music & Self-Promotion Concentration: (22-23 credits)

- BUS 2230 - Principles of Marketing **Credit(s): 3**
- MBI 2420 - Artist Management and Development **Credit(s): 3**
- MUS 1431 - Music Theory I and Ear Training **Credit(s): 3**
- MUS 2070 - Basic Songwriting **Credit(s): 3**

- MUS 2430 - Music Theory II and Ear Training **Credit(s): 3**
- MUS 3055 - Rock and Roll: Form and Style **Credit(s): 4**

Choose at least 3 credits from:

- MBI 2315 - Record Label Practicum: Production **Credit(s): 2**
- MBI 2325 - Record Label Practicum: Marketing **Credit(s): 2**
- MUS 1730 - Special Performance **Credit(s): 1**
- MUS 2220 - Music Ensembles **Credit(s): 1**
- MUS 2740 - Music Studies Seminar **Credit(s): 3**

Audio Production Concentration: (24-25 credits)

Students in this concentration must take MAT-1020 (Intermediate Algebra) and PHY 2010 (Introduction to Electricity and Electronics), and are encouraged to do so to fulfill General Education Core Curriculum requirements.

- MBI 2160 - Digital Recording Techniques **Credit(s): 3**
- MBI 2170 - Introduction to Audio Engineering **Credit(s): 3**
- MBI 2171 - Hybrid Mixing Techniques **Credit(s): 3**
- MBI 3170 - Recording and Post-Production Techniques **Credit(s): 3**
- MBI 3180 - Live Sound Reinforcement **Credit(s): 3**
- MBI 3220 - Advanced Audio Production **Credit(s): 3**
- MBI 4040 - Auditory Perception and Psychoacoustics **Credit(s): 3**

Choose one of the following options:

Take these two courses

- MBI 2315 - Record Label Practicum: Production **Credit(s): 2**
- MBI 2325 - Record Label Practicum: Marketing **Credit(s): 2**

OR

Take this course

- MBI 3430 - Contemporary Issues in Audio Production **Credit(s): 3**

In cooperation with NVU Lyndon's Business Department, and in addition to the BS in Music Business & Industry, students are encouraged to pursue one of the following:

Business Minor

Marketing Minor

AS in Business Administration

Music Minor - L

Minimum required credits for the minor: 18

Required Courses

- MUS 1085 - Elements of Music **Credit(s): 3**
- **Choose one of the following:**
- MUS 3330 - Worlds of Music **Credit(s): 3**
- MUS 3350 - Music of the Americas (L) **Credit(s): 3**

Electives

Choose 12 credits from the following list:

- MBI 1360 - Introduction to the Music Industry **Credit(s): 3**
- MBI 2160 - Digital Recording Techniques **Credit(s): 3**
- MBI 2170 - Introduction to Audio Engineering **Credit(s): 3**
- MBI 3180 - Live Sound Reinforcement **Credit(s): 3**
- MUS 1041 - Class Piano I **Credit(s): 3**
- MUS 1175 - History of Western Music: A Survey **Credit(s): 3**
- MUS 1431 - Music Theory I and Ear Training **Credit(s): 3**
- MUS 2070 - Basic Songwriting **Credit(s): 3**
- MUS 2190 - Electronic Music Composition **Credit(s): 3**
- MUS 2340 - Class Instruction in Voice **Credit(s): 3**
- MUS 2341 - Class Guitar I **Credit(s): 3**
- MUS 2430 - Music Theory II and Ear Training **Credit(s): 3**
- MUS 2740 - Music Studies Seminar **Credit(s): 3**

Theater Minor - L

Minimum required credits for the minor: 18

Required Courses

- THA 1040 - Interpreting Contemporary Dramatic Literature **Credit(s): 3**
- THA 1041 - Introduction to Theatre **Credit(s): 3**
- THA 2121 - Acting I (L) **Credit(s): 3**
- THA 2845 - Stagecraft and Tech Crew **Credit(s): 3**

Electives

Choose 6 credits from the following list:

- ENG 3385 - Genre Seminar **Credit(s): 3**
- ENG 3545 - Literature and Culture Seminar **Credit(s): 3**
- THA 2080 - Theatre Arts in The Dramatic Format **Credit(s): 3**
- THA 2122 - Acting II (L) **Credit(s): 3**
- THA 2840 - Theatre Performance and Production **Credit(s): 3**

- THA 3211 - Directing I Credit(s): 3

Natural Sciences - Lyndon

Ian Balcom, *Associate Professor* (Chemistry)

Alan Giese, *Professor* (Biology)

Alison S. Lathrop, *Professor* (Geology)

Benjamin Luce, *Associate Professor* (Physics)

Bachelor of Science in Environmental Science

Bachelor of Science in Natural Sciences

Bachelor of Science in Sustainability Studies

Pre-Health Professional Curricula

Pre-Nursing Curricula

Minors: Biology, Environmental Chemistry, Geology, Physics (Calculus-Based) and Physics (Non-Calculus Based)

Mission Statement

The Northern Vermont University-Lyndon Department of Natural Sciences offers students exciting opportunities to engage in hands-on learning about the natural world and sustainable technologies and practices. Our tight-knit community of faculty, staff, and students work collaboratively to produce degrees in Environmental Science, Natural Science and Sustainability Studies. The Department also offers minors in biology, chemistry, physics, and geology, and provides scientific instruction in support of other degree programs at NVU.

Our mission is to create highly effective environmental, community, and educational leaders through participatory learning about the natural world and our role in it.

Program Goals

The Northern Vermont University-Lyndon Department of Natural Sciences offers Bachelor of Science degree programs in Environmental Science, Natural Science, and Sustainability Studies. The goals of the department are to:

- Prepare students for successful careers in the natural and environmental sciences and the field of sustainability, including careers in biological assessment, advocacy, environmental preservation and restoration, bioremediation, renewable energy, sustainable agriculture, energy efficiency, recycling, and other green practices and initiatives.
- Prepare students intending to pursue graduate level studies in the sciences. In particular this means preparing our graduates with both a broad-based education in science, and specialized upper-division course work relevant to their specific area of graduate study interest.
- Prepare our science students with competency in all aspects of laboratory work and safety, and a strong background in the use of current laboratory technology and techniques.

- Provide training for secondary school science teachers by providing a curriculum that allows students to meet state requirements for licensure.
- Provide our students with an exciting, in-depth capstone experience in multidisciplinary, applied research, projects, or internships to deepen their preparation and better prepare them for successful careers in science and sustainability.

Program Description

The requirements set forth in each of the majors are designed to prepare graduates for a wide variety of potential career paths. Central to the design of each of our program's degree tracks is an emphasis on the versatility imparted by a liberal arts education. We strive to prepare students for employment and continued life-long learning. Therefore, the requirements for the science majors integrate direct, hands-on learning with critical and creative thinking oriented education.

Program Assessment

As is evident from our goals, our objective is to prepare our students for careers in the environmental sciences, natural sciences, sustainability, science education, and graduate school. In order to evaluate our success in meeting these objectives we invite annual peer review of our program by a panel of external scientists and professionals, and solicit feedback from our graduates. We pay particular attention to our assessment advisory panel's evaluation of our seniors' preparation for employment and/or graduate level programs.

Student Learning Outcomes by Degree Program

Upon graduation, all Natural Science, Environmental Science, and Sustainability Studies students shall be able to:

- Apply the scientific process and critical thinking in problem solving.
- Demonstrate the ability to safely and appropriately use current scientific technology/instrumentation in the lab and field.

In addition, *Natural Science* students will be able to:

- Demonstrate the application of fundamental natural science concepts in the analysis or resolution of a science-based question of interest.
- Conduct original research, organize that research into an original argument, and present that argument in oral and/or written forms.

In addition, *Environmental Science* students will be able to:

- Demonstrate the application of fundamental environmental science concepts in the analysis or resolution of a science-based question of interest.
- Apply appropriate techniques to the analysis of environmental problems.

In addition, *Sustainability Studies* students will be able to:

- Demonstrate knowledge of how ethical, cultural, and political considerations may affect the implementation of sustainability initiatives.
- Demonstrate the application of science-based knowledge in the design of a sustainability initiative.

Pre-Nursing Program

Students who are interested in the pre-nursing program must complete the Northern Vermont University application and submit it to the Admissions Office. A recommended course of study will be discussed upon meeting with an academic advisor during the registration process.

Biology Minor - L

Minimum required credits for the minor: 20

Core: (8 Credits)

Take two of the following:

- BIO 1210 - Introduction to Biology **Credit(s): 4**
- BIO 1211 - Introduction to Biology: Ecology and Evolution **Credit(s): 4**
- BIO 1212 - Introduction to Biology: Cells and Genetic Basis **Credit(s): 4**
- BIO 2011 - Human Anatomy & Physiology I **Credit(s): 4**
- BIO 2012 - Human Anatomy and Physiology II **Credit(s): 4**

Electives: (12 Credits)

Take three courses with a BIO designator at the 3000/4000 level.

Environmental Chemistry Minor - L

Minimum required credits for the minor: 20

Requirements for the minor

In addition to the courses below, choose at least 4 more credits from any 3000-4000 level CHE offering and/or BIO-3280 (Environmental Toxicology).

- CHE 3112 - Organic Chemistry II **Credit(s): 4**

Environmental Science (B.S.) - L

Minimum required credits for the program: 68

Requirements for the program

In addition to the following, students majoring in Environmental Science are required to complete MAT 1020 and MAT 2021 for their Mathematics General Education requirement.

Core: (52-53 Credits)

- SCI 1000 - First-Year Seminar in Science and Sustainability **Credit(s): 1**

- BIO 1211 - Introduction to Biology: Ecology and Evolution **Credit(s): 4**
 - BIO 1212 - Introduction to Biology: Cells and Genetic Basis **Credit(s): 4**
 - BIO 3280 - Environmental Toxicology **Credit(s): 4**
 - BIO 4040 - Ecology **Credit(s): 4**
 - CHE 1031 - General Chemistry I **Credit(s): 4**
 - CHE 1032 - General Chemistry II **Credit(s): 4**
 - ENV 1080 - Introduction to Environmental Science **Credit(s): 4**
 - ENV 3070 - Environmental Site Assessment **Credit(s): 2**
 - GEY 1111 - Introduction to Geology I **Credit(s): 4**
 - GEY 2112 - Introduction to Geology II **Credit(s): 4**
 - GEY 3110 - Hydrogeology **Credit(s): 4**
 - PHY 2031 - Fundamental Physics I **Credit(s): 4**
 - PHY 2032 - Fundamental Physics II **Credit(s): 4**
 - SCI 4610 - Senior Seminar **Credit(s): 1**
-
- SCI 4810 - Internship in Environmental Science **Credit(s): 3 to 4**
OR
 - SCI 4900 - Research in Science **Credit(s): 1 to 4**
Students must complete at least 4 credits of SCI 4900, preferably over at least two terms.

Electives: (16 credits)

Choose from among any 3000/4000 level science courses. Exceptions allowing up to 4 credits from 1000/2000 level science courses, or non-science courses, to be counted for program credit will be made on a case-by-case basis.

Environmental Science Minor - L

Minimum required credits for the program: 19-20

Core

8 Credits

- ENV 1080 - Introduction to Environmental Science **Credit(s): 4**
- Take one of the following:
- BIO 1211 - Introduction to Biology: Ecology and Evolution **Credit(s): 4**
 - ENV 2060 - Energy, Environment, and Society **Credit(s): 4**
 - ENV 3310 - Applications in GIS **Credit(s): 4**
 - CHE 3050 - Environmental Chemistry **Credit(s): 4**

Electives

11-12 Credits

At least 8 credits must be from BIO, CHE, ENV, GEY, PHY, or SCI designators at the 3000/4000 level. Up to 3 credits may be from other designators, with departmental approval.

Geology Minor - L

Minimum required credits for the minor: 20

Requirements for the minor

- In addition to the following, any three upper-level geology courses (4 credits each) Credits: 12
- GEY 1111 - Introduction to Geology I **Credit(s): 4**
- GEY 2112 - Introduction to Geology II **Credit(s): 4**

Natural Science (B.S.) - L

Minimum required credits for the program: 70

Requirements for the program

Students majoring in Natural Science are required to take MAT 1020 and MAT 2021 for their Mathematics General Education requirement.

Core: (42 Credits)

- SCI 1000 - First-Year Seminar in Science and Sustainability **Credit(s): 1**
- BIO 1211 - Introduction to Biology: Ecology and Evolution **Credit(s): 4**
- BIO 1212 - Introduction to Biology: Cells and Genetic Basis **Credit(s): 4**
- ENV 1080 - Introduction to Environmental Science **Credit(s): 4**
- GEY 1111 - Introduction to Geology I **Credit(s): 4**
- GEY 2112 - Introduction to Geology II **Credit(s): 4**
- PHY 2031 - Fundamental Physics I **Credit(s): 4**
- PHY 2032 - Fundamental Physics II **Credit(s): 4**
- SCI 4610 - Senior Seminar **Credit(s): 1**
- SCI 4900 - Research in Science **Credit(s): 1 to 4**
Students must complete at least 4 credits of SCI 4900, preferably over at least two terms.

Additional Courses: (28 credits)

Twenty-eight credits from Natural Science, of which twenty-four must be at 3000 or 4000 level. Up to eight credits may be taken from Atmospheric Sciences at 3000 or 4000 level.

Physics Minor (Calculus-Based) - L

Minimum required credits for the minor: 20

Requirements for the minor

- PHY 2010 - Introduction to Electricity and Electronics **Credit(s): 4**
OR
- PHY 2030 - The Universe **Credit(s): 4**
OR
- ATM 3140 - Physical Meteorology **Credit(s): 3**
- PHY 2061 - Classic Physics I **Credit(s): 4**
- PHY 2062 - Classic Physics II **Credit(s): 4**
- PHY 2063 - Classic Physics III **Credit(s): 4**
- PHY 3120 - Modern Physics **Credit(s): 4**

Physics Minor - L

Minimum required credits for the minor: 20

Requirements for minor

- PHY 2010 - Introduction to Electricity and Electronics **Credit(s): 4**
- PHY 2030 - The Universe **Credit(s): 4**
- PHY 2031 - Fundamental Physics I **Credit(s): 4**
- PHY 2032 - Fundamental Physics II **Credit(s): 4**
- PHY 4110 - Physics Modules **Credit(s): 1 to 4**

Pre-Health Professional Curricula - L

The department offers a pre-health professional curriculum for students who plan to apply to programs in medicine, dentistry, medical technology and related fields. This curriculum is not a degree program but includes courses typically required by medical and dental schools. Students are advised to find out the exact requirements from the institutions to which they are planning to apply. Admission to these schools is highly competitive and students may benefit from taking additional courses beyond the minimum curriculum suggested below. Although students may apply to professional health schools with a bachelor's degree in any field, it may be to the student's advantage to obtain a degree in the natural sciences. Interested students should consult with their advisors on this and related issues.

Students planning to apply to a medical school should also take two semesters of calculus.

Recommended Curriculum

The following curriculum is recommended for students interested in pre-health studies:

- BIO 1211 - Introduction to Biology: Ecology and Evolution **Credit(s): 4**
- BIO 1212 - Introduction to Biology: Cells and Genetic Basis **Credit(s): 4**
- CHE 3112 - Organic Chemistry II **Credit(s): 4**
- PHY 2031 - Fundamental Physics I **Credit(s): 4**
- PHY 2032 - Fundamental Physics II **Credit(s): 4**
- PHY 2061 - Classic Physics I **Credit(s): 4**
- PHY 2062 - Classic Physics II **Credit(s): 4**

- PHY 2063 - Classic Physics III **Credit(s): 4**

Sustainability Studies (B.S.) - L

Minimum required credits for the program: 59-60

Requirements for the program

Students majoring in Sustainability Studies are required to take MAT 1020 or MAT 1060 and MAT 2021 for their Mathematics General Education requirements. Students are strongly advised to complete a minor of their choice.

Core: (39-40 Credits)

- SCI 1000 - First-Year Seminar in Science and Sustainability **Credit(s): 1**
- BIO 1211 - Introduction to Biology: Ecology and Evolution **Credit(s): 4**
- ENV 1080 - Introduction to Environmental Science **Credit(s): 4**
- ENV 2090 - Sustainable Living **Credit(s): 3**
- ENV 2060 - Energy, Environment, and Society **Credit(s): 4**
- GEY 1111 - Introduction to Geology I **Credit(s): 4**
- GEY 2112 - Introduction to Geology II **Credit(s): 4**
- BIO 4330 - Sustainable Food Systems II **Credit(s): 4**
- SCI 4610 - Senior Seminar **Credit(s): 1**
- PHI 2050 - Nature, Science, and Technology **Credit(s): 3**

- SCI 4810 - Internship in Environmental Science **Credit(s): 3 to 4**
OR
- SCI 4900 - Research in Science **Credit(s): 1 to 4**
Students must complete at least 4 credits of SCI 4900, preferably over at least two terms.

Electives (20 Credits)

Choose at least 20 additional credits at the 3000/4000 level from ATM, BIO, CHE, ENV, GEY, PHY, or SCI.

Sustainability Studies Minor - L

Minimum required credits for the program: 20-21

Core

13 Credits

- ATM 1020 - Introduction to Climate Change **Credit(s): 4**
- ENV 2060 - Energy, Environment, and Society **Credit(s): 4**

- ENV 2090 - Sustainable Living **Credit(s): 3**
- SCI 1070 - Food for Thought **Credit(s): 3**

Electives

Take at least 7 credits at the 3000/4000 level. At least 4 credits must be from BIO, CHE, ENV, GEY, PHY, or SCI. Up to 3 credits may be from other designators, with departmental approval.

Psychology and Human Services - Lyndon

Margaret Sherrer, *Professor*

Patricia Shine, *Professor*

Lori Werdenschlag, *Professor*

Bachelor of Science in Applied Psychology and Human Services

Associate of Science in Human Services

Minors: Psychology, Human Services

Mission Statement

In the Northern Vermont University-Lyndon Psychology and Human Services Department, we provide students with the coursework and practical field experience that prepare graduates for entry-level human service and psychology positions as well as continued study at the graduate level.

Program Goals

Our program provides students with a solid foundation in psychological and developmental theory along with an emphasis on experiential learning. This is a flexible program which prepares graduates for entry-level human services positions and for success in a variety of graduate programs such as social work, psychology, or counseling.

Program Description

Career Opportunities

Upon graduation, students with a degree in Applied Psychology and Human Services are qualified for positions in a variety of settings including social services agencies, the correctional system, schools, hospitals, and research facilities. Graduates of our program are often employed as behavioral interventionists, substance abuse counselors, child protection case workers, or probation and parole officers. Students are well-prepared for graduate study to pursue careers as guidance counselors, social workers, psychologists, and in related fields such as medicine, nursing, public policy, law enforcement, and business administration.

Unique Program Features

This program emphasizes a strong foundation in theory. Students become well versed in the variety of psychological theories that help to explain human behavior in the social environment. They also develop analytic skills, problem-solving skills, professionalism, and ethical decision making which they can apply to "real-life" problems that arise in the field. Students are challenged to learn about themselves, their strengths, and their areas for continued growth and self-care. A systems perspective, how the larger society impacts their work, is also important. Particular attention is paid to issues of poverty, diversity, and oppression, and how to advocate for social justice in these areas. Students are encouraged to think of themselves as potential leaders in the fields of psychology and human services.

Experiential Learning

As early as sophomore year, students can be placed in the field where they complete 80 hours working in settings such as local elementary or high school guidance counselor offices, a teen drop-in center, or sexual and domestic violence prevention programs. During senior year, a 300-hour internship is completed. Internships take place locally and out-of-state and they have included work at the Department of Corrections, a Vermont Refugee Resettlement Program, camps for children with special needs, and a family outreach program for Vermont veterans. Students often have jobs when they graduate because of the contacts and the professional skills they develop at their internships.

Specialized Coursework

To prepare students for specific career paths, specialized coursework can be chosen in the junior and senior years. Students can select tracks in Child and Adolescent Development, Corrections, Community Mental Health and Substance Abuse, Elder Populations, or General Psychology. For students not ready to specialize, a Generalist Track is available.

Acceptance to the Major

Approval for field work placement is contingent upon the student's academic progress and potential for success in the fields of human services and psychology. Any student who has engaged in unprofessional or unethical practices may not be considered for field work placement, acceptance to the major, or continuation in the program. Prior to the completion of 60 credits students must successfully complete PSY 1040, PSY 2811, PSY 2812 and apply for acceptance to the major. Requirements for acceptance to the psychology major include a 2.3 GPA in Psychology/Human Services courses and a 2.0 GPA overall, satisfactory academic progress in the General Education Program, recommendation of two Psychology and Human Services Department faculty members as well as the development of interpersonal skills necessary for success in the profession.

Student Learning Outcomes

Graduates of the major in Applied Psychology and Human Services will be able to:

- A. Demonstrate an understanding of and be able to articulate the research principles, concepts, and theories of psychology and human services.
- B. Synthesize and apply research and theory to the practice of psychology and human services.
- C. Acquire skills and behaviors necessary for obtaining employment and succeeding in the professional world.
- D. Demonstrate knowledge of and adhere to the ethical and legal standards of the psychology and human services

professions.

Program Assessment

The NVU-Lyndon Psychology and Human Services Department assesses its programs in a variety of ways. Surveys are periodically sent to recent graduates, and the responses to the surveys guide program development and curricular change. Graduate school enrollment and job placement of alumni are also used as part of program assessment. Faculty members participate annually at national conferences for human services, psychology, and social work. Participation at such conferences allows faculty to stay informed about national standards and changes in respective fields. Faculty are also involved in research, private practice, and community service, all of which provide insights into the relationship between community needs and our program.

Applied Psychology and Human Services (B.S.) - L

Minimum required credits for the program: 54

Core: (42 Credits)

Core plus 12 elective credits are required for the program (see below for Focus Options):

- PSY 1010 - Introduction to Psychology **Credit(s): 3**
Advised Term - 1st Year
- PSY 1040 - Human Interaction **Credit(s): 3**
Advised Term - 1st Year
- PSY 2070 - Developmental Psychology **Credit(s): 3**
Advised Term - 1st Year
- PSY 2270 - Introduction to Human Services **Credit(s): 3**
Advised Term 2nd Year
- PSY 2410 - Research Methods in Psychology **Credit(s): 3**
Advised Term 2nd Year
- PSY 2811 - Field Work **Credit(s): 3**
Advised Term - 2nd Year
- PSY 2812 - Field Work Seminar **Credit(s): 3**
Advised Term - 2nd Year
- PSY 3050 - Child Development **Credit(s): 3**
OR PSY-3090 Lifespan Across Cultures, OR PSY-3110 Adulthood and Aging, OR PSY-3260 Adolescent Development
Advised Term 2nd or 3rd Year
- PSY 3070 - Abnormal Psychology **Credit(s): 3**
Advised Term 2nd or 3rd Year
- PSY 3080 - Macro Perspectives **Credit(s): 3**
Advised Term 3rd Year
- PSY 4151 - Counseling Theory & Practice **Credit(s): 3**
Advised Term 3rd Year
- PSY 4720 - Senior Seminar **Credit(s): 3**
Advised Term - 4th Year
- PSY 4820 - Internship **Credit(s): 6 to 9**
Six credits, taken in the same semester, are required for graduation.
Advised Term 4th Year

OR

- PSY 4921 - Senior Research I **Credit(s): 3**
And
- PSY 4922 - Senior Research II **Credit(s): 3**
Advised Term 4th Year

Tracks for Applied Psychology and Human Services Majors:

All Applied Psychology and Human Service majors are required to complete four upper-level courses (12 credits) as well as the core courses required for the major. Students must choose one of the following tracks. The upper-level elective(s) for each track should be selected from 3000/4000 level Psychology courses.

General Psychology

MAT 2021 Statistics

PSY 4010 Biopsychology

PSY 4020 Psychological Testing or PSY 3040 Theories of Personality

One additional upper level PSY elective (3 credits)

Child/Adolescent Development

PSY 3050 Child Development OR PSY 3260 Adolescent Development

PSY 4150 Understanding/Working with At-Risk Families

PSY 4170 Developmental Psychopathology

One additional upper level PSY elective (3 credits)

Community Mental Health/Substance Abuse

PSY 1130 Introduction to Substance Abuse

PSY 4215 Substance-Abuse Treatment

PSY 4145 Responding to Psychological Trauma

One additional upper level PSY elective (3 credits)

Elder Populations

PSY 3110 Aging and Older Adulthood

PSY 3210 Perspectives on Death and Dying

PSY 4150 Understanding & Working with At-Risk Families

One additional upper level PSY elective (3 credits)

Generalist

Select four upper level PSY electives. Students should work with their advisor to select courses consistent with individual career goals.

Human Services (A.S.) - L

Minimum required credits for the program: 27

Core: (21 credits)

- PSY 1010 - Introduction to Psychology **Credit(s): 3**
Advised Term 1st Year
- PSY 1040 - Human Interaction **Credit(s): 3**
Advised Term 1st Year
- PSY 2070 - Developmental Psychology **Credit(s): 3**

- Advised Term 1st Year
- PSY 2270 - Introduction to Human Services **Credit(s): 3**
Advised Term 2nd Year
- PSY 2410 - Research Methods in Psychology **Credit(s): 3**
Advised Term 2nd Year
- PSY 2811 - Field Work **Credit(s): 3**
Advised Term 2nd Year
- PSY 2812 - Field Work Seminar **Credit(s): 3**
Advised Term 2nd Year

Take 6 Credits From:

- PSY 1130 - Introduction to Substance Abuse **Credit(s): 3**
- PSY 3050 - Child Development **Credit(s): 3**
- PSY 3070 - Abnormal Psychology **Credit(s): 3**
- PSY 3080 - Macro Perspectives **Credit(s): 3**
- PSY 3090 - Lifespan Across Cultures **Credit(s): 3**
- PSY 3110 - Aging and Older Adulthood (L) **Credit(s): 3**
- PSY 3260 - Adolescent Development **Credit(s): 3**
- PSY 4145 - Responding to Psychological Trauma **Credit(s): 3**
- PSY 4150 - Understanding and Working with At-Risk Families **Credit(s): 3**
- PSY 4170 - Developmental Psychopathology **Credit(s): 3**
- PSY 4180 - Exploring Race & Challenging Racism in the US **Credit(s): 3**
- PSY 4215 - Substance-Abuse Treatment **Credit(s): 3**

Human Services Minor - L

(Available only for students who are not Applied Psychology and Human Services majors.)

Minimum required credits for the minor: 18

Requirements for the minor

- PSY - Three credits of Psychology courses - Credits: 3
(excluding PSY 1040, 2811, 2812, 4820, 4921, 4922, and 4720)
- PSY 1010 - Introduction to Psychology **Credit(s): 3**
- PSY 2070 - Developmental Psychology **Credit(s): 3**
- PSY 2270 - Introduction to Human Services **Credit(s): 3**
- PSY 3070 - Abnormal Psychology **Credit(s): 3**
- PSY 4151 - Counseling Theory & Practice **Credit(s): 3**

Psychology Minor - L

(Available only for students who are not Applied Psychology and Human Services majors)

Minimum required credits for the minor: 18

Requirements for the minor

- PSY - Twelve credit hours of PSY courses - Credits: 12
nine of which must be at the 3000-4000 level
(excluding PSY 2811, 2812, 4820, 4921, 4922, and 4720)
- PSY 1010 - Introduction to Psychology **Credit(s): 3**
- PSY 2070 - Developmental Psychology **Credit(s): 3**

Visual Arts - Lyndon

Robby Gilbert, *Assistant Professor*
Kelly Glentz Brush, *Professor*

David Johnston, *Professor*
Harry Mueller, *Associate Professor*
Philip Parisi, *Associate Professor*
Barclay Tucker, *Professor*

Bachelor of Fine Arts **in Animation and Illustration**

- Animation/Illustration
- Game Design

Bachelor of Fine Arts **in** Graphic Design

Bachelor of Arts **in Cinema Production**

Bachelor of Arts **in** Graphic Design

Associate of Arts in Cinema Production

Associate of Science **in Visual Arts**

Associate of Science **in** Visual Communications

Associate of Science in Photography

Minors: Cinema Production, Photography, and Visual Arts

Mission Statement

A spirited and engaging environment, the Northern Vermont University-Lyndon Visual Arts Department provides a venue for dynamic self-expression. Our programs challenge students to become adept problem-solvers and to not only expand the breadth of their design, communication, and artistic techniques, but also to enrich their own personal aesthetic. Through an awareness of art history and contemporary visual culture, students develop a context for their own innovative practice and developing visual literacy. Through hands-on coursework that demands original thought, our program stimulates critical thinking and instills a passion for the visual arts.

Program Goals

In the Visual Arts programs, students are prepared with:

- an entry-level portfolio specific to the major
- an ability to use design principles to communicate effectively
- expertise and professionalism in the development process for the visual arts
- competency and creative skills in using animation, graphic design, illustration, and/ or web design software
- an ability to work collaboratively and independently in solving specific design problems

Formal Acceptance into the Major

During the second year of study, students majoring in the B.F.A. in Animation/Illustration are required to submit an application to the department for formal acceptance into the Animation/Illustration degree. Students in the B.A. in Graphic Design can also submit an application to be formally accepted into the B.F.A. in Graphic Design. The student is granted formal acceptance into the B.F.A. major based on the faculties evaluation of the application. The B.A. in Cinema Production does not require formal acceptance into the major.

Student Learning Outcomes:

Bachelor of Fine Arts in Animation and Illustration - Students will demonstrate:

- an ability to work collaboratively and/or independently in solving advanced problems in animation and/or illustration
- an advanced ability to create effective, professional-level animation and/or illustration projects.
- a proficiency in the use of appropriate creative tools for specific animation and/or illustration projects

Bachelor of Fine Arts in Graphic Design - Students will demonstrate:

- an ability to work collaboratively and/or independently in solving advanced problems in graphic design
- an advanced ability to create effective, professional-level graphic design projects
- a proficiency in the use of appropriate creative tools for specific graphic design projects

Bachelor of Arts in Cinema Production - Students will demonstrate

- a proficiency in the skills and techniques of digital filmmaking
- an understanding of the process of filmmaking through pre-production, production, and post-production phases
- a sophisticated appreciation of the history of cinema as a context for original artworks

Bachelor of Arts in Graphic Design - Students will demonstrate:

- an ability to work collaboratively and/or independently in solving advanced problems in visual communications
- an ability to create effective, professional-level graphic design projects
- a proficiency in the use of appropriate creative tools for specific visual communications projects

Associate of Science in Photography - Students will demonstrate:

- an ability to express original ideas using photographic visual practices
- an ability to use a variety of techniques specific to the medium of photography
- a basic understanding of general aesthetic principles in the context of photography
- a knowledge of historical and/or contemporary photographers and photographic genres

Associate of Science in Visual Arts - Students will demonstrate:

- an ability to express original ideas in a visual fashion
- an ability to use a variety of techniques specific to the art medium
- an ability to exhibit artwork following standard conventions
- an awareness of historical and/or contemporary artists or art forms

Associate of Science in Visual Communications - Students will demonstrate:

- an ability to work collaboratively and/or independently in solving basic problems in visual communications
- a basic understanding of general aesthetic principles in the context of visual communications
- a basic ability in the use of appropriate creative tools for specific visual communications projects

Assessment of Student Learning Outcomes

The NVU-Lyndon Visual Arts Department assesses the Student Learning Outcomes in four primary ways. The methods of evaluation correspond to the Student Learning Outcomes for individual majors.

- course evaluations in DES 3111, DES 3112, VID 4060, ART 4170 and 2000/3000-level ART courses
- supervisor evaluations in Internship, Animation Illustration Workshop, and Design Studio
- senior portfolio presentations in DES 4950
- final project evaluations in DES 1045 and VID 3060

Animation and Illustration (B.F.A.) - L

Minimum required credits for the program: 78 credits

It is strongly recommended that Animation/Illustration students take BIO 2011, XSC 2050, PHY 2031, or PHY 2061 for the NNPW (Natural & Physical Worlds) GECC requirement, and take BUS 2230 for the NBEW (Being in the World: Society & Behavior) GECC requirement.

Requirements for the program (Core, and either the Game Design Concentration or the Animation & Illustration Concentration)

Core Required Courses: (45 credits)

- ARH 2011 - Survey of Western Art I **Credit(s): 3**
- ARH 2012 - Survey of Western Art II **Credit(s): 3**
- ARH 3080 - History of Animation and Illustration **Credit(s): 3**
- ART 1011 - Drawing I (L) **Credit(s): 3**
- ART 1035 - Visual Arts Seminar **Credit(s): 3**
- ART 1045 - Visual Narrative **Credit(s): 3**
- ART 2045 - 3D Modeling for Games and Animation **Credit(s): 3**
- ART 2070 - Introduction to Animation **Credit(s): 3**
- ART 2270 - Introduction to Illustration **Credit(s): 3**
- ART 3020 - Concept Art for Games and Animation **Credit(s): 3**
- DES 1020 - Design **Credit(s): 3**
- DES 1025 - Image Manipulation **Credit(s): 3**
- DES 2010 - Moving Image Fundamentals **Credit(s): 3**

Choose one:

- ART 2530 - Illustration: Concepts and Genres **Credit(s): 3**
OR
- ART 3085 - 3D Rigging and Animation **Credit(s): 3**

Choose one:

- ART 3070 - Illustration: Methods and Practice **Credit(s): 3**
OR
- ART 4175 - Advanced 3D Animation **Credit(s): 3**

English Choice Courses

Choose 3 credits from:

- ENG 2140 - Introduction to Writing Fiction **Credit(s): 3**
- ENG 2535 - Genre Survey **Credit(s): 3**
- ENG 2545 - Literature and Culture Survey **Credit(s): 3**

Core Studio Courses: (12 credits)

Choose 12 credits from:

- ART 3415 - Animation Illustration Workshop I **Credit(s): 3**
- ART 3515 - Animation Illustration Workshop II **Credit(s): 3**
- ART 4415 - Animation Illustration Workshop III **Credit(s): 3**
- ART 4515 - Animation Illustration Workshop IV **Credit(s): 3**
- ART 4820 - Animation Illustration Internship **Credit(s): 1-15**
Note: only 3 credits of ART 4820 may be used to satisfy program requirements

Core Capstone Course: (3 credits)

- DES 4950 - Design Portfolio **Credit(s): 3**

Game Design Concentration: (15 credits)

- CIS 1090 - Problem Solving with Computers **Credit(s): 3**
- CIS 2271 - Java Programming **Credit(s): 3**
- CIS 3025 - Advanced Object Oriented Programming **Credit(s): 3**
- ART 3031 - Life Drawing (L) **Credit(s): 3**

One of the following:

- ART 3160 - Character Design **Credit(s): 3**
- DES 3110 - Interactive Media Design **Credit(s): 3**

Illustration & Animation Concentration: (15 credits)

- ART 3031 - Life Drawing (L) **Credit(s): 3**
Note: ART 3031 must be taken twice for a total of 6 credits.

Choose 9 credits from:

- ART 2055 - Onsite Sketching **Credit(s): 3**
- ART 2241 - Painting I (L) **Credit(s): 3**
- ART 3160 - Character Design **Credit(s): 3**
- DES 1035 - Vector Graphics **Credit(s): 3**
- DES 3110 - Interactive Media Design **Credit(s): 3**
- ENG 3110 - Creative Writing Workshop **Credit(s): 3**

Animation Minor - L

Core

15 Credits

- ART 1011 - Drawing I (L) **Credit(s): 3**
- ART 1045 - Visual Narrative **Credit(s): 3**
- ART 2045 - 3D Modeling for Games and Animation **Credit(s): 3**
- ART 2070 - Introduction to Animation **Credit(s): 3**
- DES 2010 - Moving Image Fundamentals **Credit(s): 3**

Choice

3 Credits

Choose one course from the following:

- ARH 3080 - History of Animation and Illustration **Credit(s): 3**
- ART 3020 - Concept Art for Games and Animation **Credit(s): 3**
- ART 3031 - Life Drawing (L) **Credit(s): 3**
- ART 3415 - Animation Illustration Workshop I **Credit(s): 3**

Cinema Production (A.A.) - L

Minimum required credits for the program: 30-32

Cinema Production Core Courses (24 cr)

- CIN 1060 - Cinema Production I **Credit(s): 3**
- CIN 2060 - Cinema Production II **Credit(s): 3**
- CIN 2110 - Film Theory and Practice **Credit(s): 4**
- CIN 4060 - Cinema Production Workshop **Credit(s): 3**
- FLM 1055 - Film Analysis and Appreciation **Credit(s): 3**
- FLM 2015 - History of Cinema I **Credit(s): 4**
- FLM 2025 - History of Cinema II **Credit(s): 4**

Cinema Production Choice Courses (6-8 cr)

Choose two courses from below or selected courses with advisor approval:

- ARH 2070 - History of Photography **Credit(s): 3**
- ART 1045 - Visual Narrative **Credit(s): 3**
- ART 1410 - Digital Photography **Credit(s): 3**
- ART 2301 - Photography I (L) **Credit(s): 3**
- ART 3270 - Advanced Photography **Credit(s): 3**
- CIN 3060 - Directing **Credit(s): 3**
Note: CIN 3060 is highly recommended
- DES 2010 - Moving Image Fundamentals **Credit(s): 3**
- FLM 3010 - Auteur Filmmakers Seminar **Credit(s): 4**
- FLM 3320 - Film and Culture Seminar **Credit(s): 3**
- FLM 3610 - Film Studies Seminar **Credit(s): 4**
- JOU 3125 - Post Production I **Credit(s): 3**
- MBI 2160 - Digital Recording Techniques **Credit(s): 3**
- MBI 2170 - Introduction to Audio Engineering **Credit(s): 3**
- MBI 3170 - Recording and Post-Production Techniques **Credit(s): 3**
- PHI 3065 - Philosophy of Film and Television **Credit(s): 3**
- PHI 3140 - Art Theory and Criticism **Credit(s): 3**
- THA 1041 - Introduction to Theatre **Credit(s): 3**
- THA 2080 - Theatre Arts in The Dramatic Format **Credit(s): 3**
- THA 2121 - Acting I (L) **Credit(s): 3**
- THA 3211 - Directing I **Credit(s): 3**

Cinema Production (B.A.) - L

Minimum required credits for the program: 64

Core Courses (55 credits)

- ART 1035 - Visual Arts Seminar **Credit(s): 3**
- ART 1045 - Visual Narrative **Credit(s): 3**
- CIN 1060 - Cinema Production I **Credit(s): 3**
- CIN 2060 - Cinema Production II **Credit(s): 3**

- CIN 2110 - Film Theory and Practice **Credit(s): 4**
- CIN 3060 - Directing **Credit(s): 3**
- CIN 4060 - Cinema Production Workshop **Credit(s): 3**
- CIN 4070 - Cinema Production Seminar **Credit(s): 3**
- CIN 4080 - Advanced Cinema Workshop **Credit(s): 3**
- DES 1020 - Design **Credit(s): 3**
- DES 1025 - Image Manipulation **Credit(s): 3**
- DES 2010 - Moving Image Fundamentals **Credit(s): 3**
- FLM 1055 - Film Analysis and Appreciation **Credit(s): 3**
- FLM 2015 - History of Cinema I **Credit(s): 4**
- FLM 2025 - History of Cinema II **Credit(s): 4**
- JOU 3125 - Post Production I **Credit(s): 3**

Choose One:

- FLM 3010 - Auteur Filmmakers Seminar **Credit(s): 4**
- FLM 3610 - Film Studies Seminar **Credit(s): 4**

Choice Courses (9 credits)

Choose three courses from below or selected courses with advisor approval:

- ARH 2070 - History of Photography **Credit(s): 3**
- ARH 2012 - Survey of Western Art II **Credit(s): 3**
- ART 1410 - Digital Photography **Credit(s): 3**
- ART 2301 - Photography I (L) **Credit(s): 3**
- ART 3270 - Advanced Photography **Credit(s): 3**
- ENG 3110 - Creative Writing Workshop **Credit(s): 3**
- ENG 4080 - Advanced Creative Writing Workshop **Credit(s): 3**
- FLM 3320 - Film and Culture Seminar **Credit(s): 3**
- FLM 4810 - Internship in Film Studies **Credit(s): 2-15**
- JOU 1125 - Television Production and Editing **Credit(s): 3**
- JOU 2135 - Studio Production **Credit(s): 3**
- JOU 4125 - Post Production II **Credit(s): 3**
- MBI 2160 - Digital Recording Techniques **Credit(s): 3**
- MBI 2170 - Introduction to Audio Engineering **Credit(s): 3**
- MBI 3170 - Recording and Post-Production Techniques **Credit(s): 3**
- MBI 3210 - Music Publishing **Credit(s): 3**
- PHI 3065 - Philosophy of Film and Television **Credit(s): 3**
- PHI 3140 - Art Theory and Criticism **Credit(s): 3**
- THA 1040 - Interpreting Contemporary Dramatic Literature **Credit(s): 3**
- THA 1041 - Introduction to Theatre **Credit(s): 3**
- THA 2080 - Theatre Arts in The Dramatic Format **Credit(s): 3**
- THA 2121 - Acting I (L) **Credit(s): 3**
- THA 3211 - Directing I **Credit(s): 3**

Cinema Production Minor - L

Minimum required credits for the minor: 19-21

Core Courses (13 credits)

- FLM 1055 - Film Analysis and Appreciation **Credit(s): 3**
- CIN 1060 - Cinema Production I **Credit(s): 3**
- CIN 2060 - Cinema Production II **Credit(s): 3**
- CIN 2110 - Film Theory and Practice **Credit(s): 4**

Choice Courses (6-8 credits)

Choose two courses from:

- CIN 3060 - Directing **Credit(s): 3**
- CIN 4060 - Cinema Production Workshop **Credit(s): 3**
Note: CIN 3060 or CIN 4060 is highly recommended
- FLM 2015 - History of Cinema I **Credit(s): 4**
- FLM 2025 - History of Cinema II **Credit(s): 4**
- FLM 3010 - Auteur Filmmakers Seminar **Credit(s): 4**
- FLM 3320 - Film and Culture Seminar **Credit(s): 3**
- FLM 3610 - Film Studies Seminar **Credit(s): 4**
- JOU 3125 - Post Production I **Credit(s): 3**
- MBI 3170 - Recording and Post-Production Techniques **Credit(s): 3**
- PHI 3065 - Philosophy of Film and Television **Credit(s): 3**
- PHI 3140 - Art Theory and Criticism **Credit(s): 3**
- THA 1041 - Introduction to Theatre **Credit(s): 3**
- THA 2080 - Theatre Arts in The Dramatic Format **Credit(s): 3**

Game Design Minor - L

Minimum required credits for the minor: 18

Requirements for the minor

- ART 1045 - Visual Narrative **Credit(s): 3**
- ART 2045 - 3D Modeling for Games and Animation **Credit(s): 3**
- CIS 1090 - Problem Solving with Computers **Credit(s): 3**
- CIS 2271 - Java Programming **Credit(s): 3**
- CIS 3025 - Advanced Object Oriented Programming **Credit(s): 3**
- DES 2010 - Moving Image Fundamentals **Credit(s): 3**

Graphic Design (A.A.) - L

Minimum required credits for the program: 27

Foundation Courses: (18 credits)

- DES 1020 - Design **Credit(s): 3**
- DES 1025 - Image Manipulation **Credit(s): 3**
- ART 2020 - Color Theory **Credit(s): 3**
- DES 1035 - Vector Graphics **Credit(s): 3**
- DES 1015 - Typography **Credit(s): 2**
- DES 1045 - Page Layout **Credit(s): 3**
- DES 2015 - Web Design I **Credit(s): 3**

Media Communications Course: (3 credits)

Choice Courses: (6 credits)

Choose two courses from the following:

- ART 1011 - Drawing I (L) **Credit(s): 3**
- ART 2301 - Photography I (L) **Credit(s): 3**
- ARH 2011 - Survey of Western Art I **Credit(s): 3**
- ARH 2012 - Survey of Western Art II **Credit(s): 3**
- ARH 3090 - Historical Themes in the Visual Arts **Credit(s): 3**
- BUS 2230 - Principles of Marketing **Credit(s): 3**
- ENG 2155 - Multimedia Storytelling **Credit(s): 3**

Graphic Design (B.F.A.) - L

Minimum required credits: 75

Core Courses: (39 credits)

CIS 1090 is strongly recommended in partial completion of the GECC Mathematics and Computing in the World (NMCW) requirement.

- ART 1011 - Drawing I (L) **Credit(s): 3**
- ART 2020 - Color Theory **Credit(s): 3**
- BUS 2230 - Principles of Marketing **Credit(s): 3**
- CIS 2141 - Programming Internet and Web Applications Part I **Credit(s): 3**
- DES 1015 - Typography **Credit(s): 2**
- DES 1020 - Design **Credit(s): 3**
- DES 1025 - Image Manipulation **Credit(s): 3**
- DES 1035 - Vector Graphics **Credit(s): 3**
- DES 1045 - Page Layout **Credit(s): 3**
- DES 2010 - Moving Image Fundamentals **Credit(s): 3**
- DES 2015 - Web Design I **Credit(s): 3**
- DES 3111 - Print Production **Credit(s): 3**
- DES 3112 - Digital Production **Credit(s): 3**

Acceptance into BFA Program (0 credits)

Students apply for Formal Acceptance by submitting a portfolio of their designs starting in their third semester of study, and students must earn Formal Acceptance prior to the completion of 60 credits. If this requirement is not complete, students may change to a different degree program.

Art History Courses: (6 credits)

Choose two of the following courses:

- ARH 2012 - Survey of Western Art II **Credit(s): 3**
- ARH 2070 - History of Photography **Credit(s): 3**
- ARH 3090 - Historical Themes in the Visual Arts **Credit(s): 3**

Choice Courses (12 credits) - Select Two Groups

Business Group

- BUS 3160 - Sales Management and Selling **Credit(s): 3**
- BUS 3272 - Social-Media Marketing **Credit(s): 3**

Communications Group

- COM 2085 - Public Relations, Advertising, and Marketing **Credit(s): 3**
- COM 3080 - Strategic Media Communications **Credit(s): 3**

Photography Group

- ART 1410 - Digital Photography **Credit(s): 3**
- ART 3260 - Commercial Photography **Credit(s): 3**

Web Programming Group

- CIS 3120 - Programming Internet and Web Applications Part II **Credit(s): 3**
- DES 3115 - Web Design II **Credit(s): 3**

Advanced Design Courses (9 credits)

- DES 3150 - Packaging Design **Credit(s): 3**
- DES 4010 - Branding **Credit(s): 3**
- DES 4020 - Advanced Typography **Credit(s): 3**

Capstone Courses (9 credits)

Design Studio and Design Portfolio are each required. The remaining three credits may be Design Studio or Design Internship(s).

- DES 4950 - Design Portfolio **Credit(s): 3**
- DES 4550 - Design Studio **Credit(s): 3** *Note: may be repeated for credit*
- DES 4810 - Design Internship **Credit(s): 1-6** *Note: may be repeated for credit*

Graphic Design Minor - L

18 Credits

Core

15 Credits

- DES 1015 - Typography **Credit(s): 2**
- DES 1020 - Design **Credit(s): 3**
- DES 1025 - Image Manipulation **Credit(s): 3**
- DES 1035 - Vector Graphics **Credit(s): 3**
- DES 1045 - Page Layout **Credit(s): 3**

Choice

3 Credits

Choose one of the following:

- ART 2020 - Color Theory **Credit(s): 3**
- DES 3111 - Print Production **Credit(s): 3**
- DES 3112 - Digital Production **Credit(s): 3**

Design Distribution: (3 credits)

Take one of the following:

- DES 1035 - Vector Graphics **Credit(s): 3**
OR
- DES 1025 - Image Manipulation **Credit(s): 3**

Photography (A.A.) - L

Minimum required credits for program: 27

Core Courses (12 credits)

- ART 2301 - Photography I (L) **Credit(s): 3**
- ART 3270 - Advanced Photography **Credit(s): 3**
- DES 1020 - Design **Credit(s): 3**
- DES 1025 - Image Manipulation **Credit(s): 3**

Choice Courses (12 credits)

Choose four courses from the following choices:

- ART 1035 - Visual Arts Seminar **Credit(s): 3**
- ART 1410 - Digital Photography **Credit(s): 3**
- ARH 2070 - History of Photography **Credit(s): 3**
- ART 2610 - Advanced Digital Photography **Credit(s): 3**
- ART 3060 - Book Arts **Credit(s): 3**
- ART 3260 - Commercial Photography **Credit(s): 3**
- CIN 1060 - Cinema Production I **Credit(s): 3**

Photography Minor - L

Minimum required credits for the minor: 18

Core Courses: (12 Credits)

- ART 2301 - Photography I (L) **Credit(s): 3**
- ART 3270 - Advanced Photography **Credit(s): 3**
- DES 1020 - Design **Credit(s): 3**
- DES 1025 - Image Manipulation **Credit(s): 3**

Choice Courses: (6 Credits)

Take two of the following courses:

- ARH 2070 - History of Photography **Credit(s): 3**
- ART 1410 - Digital Photography **Credit(s): 3**
- ART 2610 - Advanced Digital Photography **Credit(s): 3**
- ART 3060 - Book Arts **Credit(s): 3**
- ART 3260 - Commercial Photography **Credit(s): 3**

Visual Arts (A.A.) - L

Minimum required credits for the program: 27

Core Courses: (6 credits)

- ART 1011 - Drawing I (L) **Credit(s): 3**
- DES 1020 - Design **Credit(s): 3**

Choice Courses: (21 credits)

Choose seven courses from the following list. Only one choice course may be ARH. Students are to take at least one 3000 level course (as a capstone course).

Any ARH course for 3 credits Credits / Units: 3

- ART 1035 - Visual Arts Seminar **Credit(s): 3**
- ART 1045 - Visual Narrative **Credit(s): 3**
- ART 1410 - Digital Photography **Credit(s): 3**
- ART 2020 - Color Theory **Credit(s): 3**
- ART 2030 - Decorative Arts **Credit(s): 3**
- ART 2055 - Onsite Sketching **Credit(s): 3**
- ART 2070 - Introduction to Animation **Credit(s): 3**
- ART 2115 - Digital Arts **Credit(s): 3**
- ART 2121 - Calligraphy I **Credit(s): 3**
- ART 2241 - Painting I (L) **Credit(s): 3**
- ART 2251 - Sculpture I (L) **Credit(s): 3**
- ART 2270 - Introduction to Illustration **Credit(s): 3**
- ART 2301 - Photography I (L) **Credit(s): 3**
- ART 3031 - Life Drawing (L) **Credit(s): 3**
- ART 3060 - Book Arts **Credit(s): 3**
- ART 3061 - Advanced Book Arts **Credit(s): 3**
- ART 3210 - Puppetry **Credit(s): 3**

Visual Arts Minor - L

Minimum required credits required for the minor: 18

Core

6 Credits

- ART 1011 - Drawing I (L) **Credit(s): 3**
- DES 1020 - Design **Credit(s): 3**

Choice

12 Credits

Choose four courses from the following list. Only one choice course may be ARH.

Any ARH course for 3 credits Credits / Units: 3

- ART 1410 - Digital Photography **Credit(s): 3**
- ART 2020 - Color Theory **Credit(s): 3**
- ART 2030 - Decorative Arts **Credit(s): 3**
- ART 2055 - Onsite Sketching **Credit(s): 3**
- ART 2115 - Digital Arts **Credit(s): 3**
- ART 2121 - Calligraphy I **Credit(s): 3**
- ART 2241 - Painting I (L) **Credit(s): 3**
- ART 2251 - Sculpture I (L) **Credit(s): 3**
- ART 3031 - Life Drawing (L) **Credit(s): 3**

- ART 3060 - Book Arts **Credit(s): 3**
- ART 3210 - Puppetry **Credit(s): 3**

Visual Communications Design, Digital Advertising Concentration (B.A) - L

Visual Communications Design Core Courses

33 Credits

(Students pursuing the Illustration Concentration need to take ART 1011).

- ART 1011 - Drawing I (L) **Credit(s): 3**
or ART 2020 (Color Theory)
- BUS 2230 - Principles of Marketing **Credit(s): 3**
- COM 2085 - Public Relations, Advertising, and Marketing **Credit(s): 3**
- DES 1015 - Typography **Credit(s): 2**
- DES 1020 - Design **Credit(s): 3**
- DES 1025 - Image Manipulation **Credit(s): 3**
- DES 1035 - Vector Graphics **Credit(s): 3**
- DES 1045 - Page Layout **Credit(s): 3**
- DES 3111 - Print Production **Credit(s): 3**
- DES 3112 - Digital Production **Credit(s): 3**
- DES 4020 - Advanced Typography **Credit(s): 3**

Digital Advertising Concentration

15 Credits

- ART 1410 - Digital Photography **Credit(s): 3**
- ART 3260 - Commercial Photography **Credit(s): 3**
- BUS 3272 - Social-Media Marketing **Credit(s): 3**
- CIN 1060 - Cinema Production I **Credit(s): 3**
- COM 3080 - Strategic Media Communications **Credit(s): 3**

Art History (3 Credits)

Choose three credits from the following courses:

- ARH 2012 - Survey of Western Art II **Credit(s): 3**
- ARH 2070 - History of Photography **Credit(s): 3**
- ARH 3080 - History of Animation and Illustration **Credit(s): 3**
- ARH 3090 - Historical Themes in the Visual Arts **Credit(s): 3**

Capstone Courses (6 Credits)

- DES 4950 - Design Portfolio **Credit(s): 3**

Choose three credits from the following courses:

- ART 4611 - Senior Thesis **Credit(s): 3**
- DES 4810 - Design Internship **Credit(s): 1-6**
- DES 4550 - Design Studio **Credit(s): 3**

Visual Communications Design, Graphic Design Concentration (B.A) - L

Minimum required credits for program: 57

Visual Communications Design Core Courses

33 Credits

(Students pursuing the Illustration Concentration need to take ART 1011).

- ART 1011 - Drawing I (L) **Credit(s): 3**
or ART 2020 (Color Theory)
- BUS 2230 - Principles of Marketing **Credit(s): 3**
- COM 2085 - Public Relations, Advertising, and Marketing **Credit(s): 3**
- DES 1015 - Typography **Credit(s): 2**
- DES 1020 - Design **Credit(s): 3**
- DES 1025 - Image Manipulation **Credit(s): 3**
- DES 1035 - Vector Graphics **Credit(s): 3**
- DES 1045 - Page Layout **Credit(s): 3**
- DES 3111 - Print Production **Credit(s): 3**
- DES 3112 - Digital Production **Credit(s): 3**
- DES 4020 - Advanced Typography **Credit(s): 3**

Graphic Design Concentration (15 Credits)

DES 4550 is repeatable for credit. Take one time for this concentration and a second time for the capstone.

- CIS 2141 - Programming Internet and Web Applications Part I **Credit(s): 3**
- DES 2015 - Web Design I **Credit(s): 3**
- DES 3150 - Packaging Design **Credit(s): 3**
- DES 4010 - Branding **Credit(s): 3**
- DES 4550 - Design Studio **Credit(s): 3**

Art History (3 Credits)

Choose three credits from the following courses:

- ARH 2012 - Survey of Western Art II **Credit(s): 3**
- ARH 2070 - History of Photography **Credit(s): 3**

- ARH 3080 - History of Animation and Illustration **Credit(s): 3**
- ARH 3090 - Historical Themes in the Visual Arts **Credit(s): 3**

Capstone Courses (6 Credits)

- DES 4950 - Design Portfolio **Credit(s): 3**

Choose three credits from the following courses:

- ART 4611 - Senior Thesis **Credit(s): 3**
- DES 4810 - Design Internship **Credit(s): 1-6**
- DES 4550 - Design Studio **Credit(s): 3**

Visual Communications Design, Illustration Concentration (B.A) - L

Visual Communications Design Core Courses

33 Credits

(Students pursuing the Illustration Concentration need to take ART 1011).

- ART 1011 - Drawing I (L) **Credit(s): 3**
or ART 2020 (Color Theory)
- BUS 2230 - Principles of Marketing **Credit(s): 3**
- COM 2085 - Public Relations, Advertising, and Marketing **Credit(s): 3**
- DES 1015 - Typography **Credit(s): 2**
- DES 1020 - Design **Credit(s): 3**
- DES 1025 - Image Manipulation **Credit(s): 3**
- DES 1035 - Vector Graphics **Credit(s): 3**
- DES 1045 - Page Layout **Credit(s): 3**
- DES 3111 - Print Production **Credit(s): 3**
- DES 3112 - Digital Production **Credit(s): 3**
- DES 4020 - Advanced Typography **Credit(s): 3**

Illustration Concentration

15 Credits

- ART 1045 - Visual Narrative **Credit(s): 3**
- ART 2270 - Introduction to Illustration **Credit(s): 3**
- ART 2530 - Illustration: Concepts and Genres **Credit(s): 3**
- ART 3031 - Life Drawing (L) **Credit(s): 3**
- ART 3070 - Illustration: Methods and Practice **Credit(s): 3**

Art History (3 Credits)

Choose three credits from the following courses:

- ARH 2012 - Survey of Western Art II **Credit(s): 3**
- ARH 2070 - History of Photography **Credit(s): 3**
- ARH 3080 - History of Animation and Illustration **Credit(s): 3**
- ARH 3090 - Historical Themes in the Visual Arts **Credit(s): 3**

Capstone Courses (6 Credits)

- DES 4950 - Design Portfolio **Credit(s): 3**

Choose three credits from the following courses:

- ART 4611 - Senior Thesis **Credit(s): 3**
- DES 4810 - Design Internship **Credit(s): 1-6**
- DES 4550 - Design Studio **Credit(s): 3**

Visual Communications Design, Photography Concentration (B.A) - L

Visual Communications Design Core Courses

33 Credits

(Students pursuing the Illustration Concentration need to take ART 1011).

- ART 1011 - Drawing I (L) **Credit(s): 3**
or ART 2020 (Color Theory)
- BUS 2230 - Principles of Marketing **Credit(s): 3**
- COM 2085 - Public Relations, Advertising, and Marketing **Credit(s): 3**
- DES 1015 - Typography **Credit(s): 2**
- DES 1020 - Design **Credit(s): 3**
- DES 1025 - Image Manipulation **Credit(s): 3**
- DES 1035 - Vector Graphics **Credit(s): 3**
- DES 1045 - Page Layout **Credit(s): 3**
- DES 3111 - Print Production **Credit(s): 3**
- DES 3112 - Digital Production **Credit(s): 3**
- DES 4020 - Advanced Typography **Credit(s): 3**

Photography Concentration

15 Credits

- ART 2301 - Photography I (L) **Credit(s): 3**
- ART 2610 - Advanced Digital Photography **Credit(s): 3**
- ART 3260 - Commercial Photography **Credit(s): 3**
- ART 3270 - Advanced Photography **Credit(s): 3**
- CIN 1060 - Cinema Production I **Credit(s): 3**

Art History (3 Credits)

Choose three credits from the following courses:

- ARH 2012 - Survey of Western Art II **Credit(s): 3**
- ARH 2070 - History of Photography **Credit(s): 3**
- ARH 3080 - History of Animation and Illustration **Credit(s): 3**
- ARH 3090 - Historical Themes in the Visual Arts **Credit(s): 3**

Capstone Courses (6 Credits)

- DES 4950 - Design Portfolio **Credit(s): 3**

Choose three credits from the following courses:

- ART 4611 - Senior Thesis **Credit(s): 3**
- DES 4810 - Design Internship **Credit(s): 1-6**
- DES 4550 - Design Studio **Credit(s): 3**

Writing & Literature - Johnson

Faculty/Staff

Jensen Beach, *Assistant Professor*

Elizabeth Powell, *Associate Professor*

Tyrone Shaw, *Professor*

Daniel Towner, *Professor*

Sharon Twigg, *Associate Professor, Department Chair*

Staff Assistant: Sandra Noyes

Programs in the Northern Vermont University-Johnson Department of Writing & Literature stress the interdependence of reading literature and writing critical and creative essays, poetry, and fiction. Students learn to write and read with sensitivity and precision, to appreciate literature and literary criticism, and to produce work in a variety of genres. Creative writing majors specialize in poetry, fiction, or nonfiction and sharpen their skills in small writing-workshop courses. English students explore literature and language from critical, aesthetic, historical, linguistic and national perspectives. Journalism majors acquire the practical skills and theoretical knowledge essential to print, digital, and photojournalism, as well as business writing and media relations. In addition, our students gain practical experience by working on one of our two literary journals, *Green Mountains Review* and *Pamplermousse*, or our biweekly, student-produced newspaper, *Basement Medicine*. Guest speakers and readings by internationally recognized authors and journalists round out this rich and diverse program.

Programs

Majors & Concentrations

- Creative Writing (B.F.A.) - J

- English (B.A.) - J
- Journalism (B.A.)-J

Minors

- Creative Writing Minor - J
- Journalism Minor - J
- Literature Minor - J
- Writing and Publishing Minor - J

The Northern Vermont University-Johnson Department of Writing & Literature offers courses with the following designator: ENG (English). See complete Course Descriptions.

Creative Writing (B.F.A.) - J

In this program, aspiring writers learn the craft of fiction, poetry and prose nonfiction in literature courses and in writing workshops. Small classes and individualized instruction are key features of this student-centered program. A student and professional reading series and internships with the department's nationally recognized literary magazine, *Green Mountains Review*, complement the academic course work.

Learning Outcomes for Creative Writing Majors

The B.F.A. in creative writing will:

1. Enable students to produce their own poetry, fiction and creative nonfiction and to become proficient readers and interpreters of imaginative literature;
2. Enable students to identify the major genres of literature, to recognize the features of each genre and to explore and evaluate different approaches to literary criticism and interpretation;
3. Develop students' abilities to analyze and explicate literary texts so that they can identify themes and ideas as well as recognize how formal literary devices affect meaning; and
4. Develop students' skills in editing and revising so that they will be prepared for graduate school in creative writing and/or for careers in publishing.

Required Courses

Core Courses (9 credits)

- ENG 1310 - Introduction to Literature (J) **Credit(s): 3**
- ENG 2031 - History and Art of Publishing **Credit(s): 3**
- ENG 3032 - Literary Publishing in the 21st Century: Green Mountains Review **Credit(s): 3**

Writing Workshops Part I (3 credits)

- ENG 2101 - Creative Writing **Credit(s): 3**

Writing Workshops Part II (9 credits)

(Complete 9 credits from at least two different genres; students may repeat one genre.)

- ENG 3120 - Poetry Workshop **Credit(s): 3**
- ENG 3130 - Fiction Workshop **Credit(s): 3**
- ENG 3140 - The Creative Essay **Credit(s): 3**

Lower-level Literature Survey Courses (9 credits)

(Take three courses)

- ENG 2171 - World Literature I **Credit(s): 3**
- ENG 2172 - World Literature II **Credit(s): 3**
- ENG 2281 - Survey of English Literature I **Credit(s): 3**
- ENG 2282 - Survey of English Literature II **Credit(s): 3**
- ENG 2321 - Survey of American Literature I **Credit(s): 3**
- ENG 2322 - Survey of American Literature II **Credit(s): 3**
- ENG 2510 - Women & Literature **Credit(s): 3**

Upper-level Literature Survey Courses (9 credits)

(Take three courses)

- ENG 3270 - Myth & Myth Making **Credit(s): 3**
- ENG 3320 - The English Novel **Credit(s): 3**
- ENG 3345 - Contemporary Canadian Literature **Credit(s): 3**
- ENG 3380 - British Romantic Literature **Credit(s): 3**
- ENG 3390 - Literature of the Grotesque **Credit(s): 3**
- ENG 3395 - Satire in Literature **Credit(s): 3**
- ENG 3405 - Literary Journalism **Credit(s): 3**
- ENG 3435 - Practical Grammar **Credit(s): 3**
- ENG 3480 - Modern Literature **Credit(s): 3**
- ENG 3510 - Contemporary Literature **Credit(s): 3**
- ENG 3520 - American Poetry **Credit(s): 3**
- ENG 3525 - Victorian Literature **Credit(s): 3**
- ENG 3530 - The American Novel **Credit(s): 3**
- ENG 3565 - Shakespeare **Credit(s): 3**
- ENG 3580 - African American Literature **Credit(s): 3**
- ENG 3680 - Linguistics & Language History **Credit(s): 3**
- ENG 4510 - Literary Research Tutorial **Credit(s): 3**
- ENG 4720 - Seminar in Literature **Credit(s): 3**

Upper-level Coursework (6 credits)

(Take two courses)

- ENG 4110 - The Form & Theory of Fiction **Credit(s): 3**
- ENG 4120 - The Form & Theory of Poetry **Credit(s): 3**
- ENG 4130 - The Form & Theory of Nonfiction **Credit(s): 3**
- ENG 4150 - Literary Criticism & Theory **Credit(s): 3**

Thesis (3 credits)

- ENG 4920 - Senior Thesis **Credit(s): 3**
(creative project in genre of specialization)

Total: 48 credits

Secondary Teaching License in English

Students pursuing licensure endorsement to teach English in grades 7-12 must successfully complete either the English (B.A.) - J or the Creative Writing (B.F.A.) - J as well as specific teacher-education coursework and requirements. Please refer to the Secondary Teacher License Endorsement - J section for details.

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* meet all other Degree Requirements, including the General Education Core Curriculum and NVU Graduation Standards.

Creative Writing Minor - J

Required Courses

Introductory-level Creative Writing Course (3 credits)

- ENG 2101 - Creative Writing **Credit(s): 3**

Lower-level Literature Survey Courses (9 credits)

(Take three courses)

- ENG 2171 - World Literature I **Credit(s): 3**
- ENG 2172 - World Literature II **Credit(s): 3**
- ENG 2281 - Survey of English Literature I **Credit(s): 3**
- ENG 2282 - Survey of English Literature II **Credit(s): 3**
- ENG 2321 - Survey of American Literature I **Credit(s): 3**
- ENG 2510 - Women & Literature **Credit(s): 3**

Form & Theory Course (3 credits)

(Take one course)

- ENG 4110 - The Form & Theory of Fiction **Credit(s): 3**
- ENG 4120 - The Form & Theory of Poetry **Credit(s): 3**
- ENG 4130 - The Form & Theory of Nonfiction **Credit(s): 3**

Upper-level Literature Courses (3 credits)

(Take one course)

- ENG 3270 - Myth & Myth Making **Credit(s): 3**
- ENG 3320 - The English Novel **Credit(s): 3**
- ENG 3345 - Contemporary Canadian Literature **Credit(s): 3**
- ENG 3380 - British Romantic Literature **Credit(s): 3**
- ENG 3390 - Literature of the Grotesque **Credit(s): 3**
- ENG 3395 - Satire in Literature **Credit(s): 3**
- ENG 3435 - Practical Grammar **Credit(s): 3**
- ENG 3480 - Modern Literature **Credit(s): 3**
- ENG 3510 - Contemporary Literature **Credit(s): 3**
- ENG 3520 - American Poetry **Credit(s): 3**
- ENG 3525 - Victorian Literature **Credit(s): 3**
- ENG 3530 - The American Novel **Credit(s): 3**
- ENG 3565 - Shakespeare **Credit(s): 3**
- ENG 3580 - African American Literature **Credit(s): 3**
- ENG 3680 - Linguistics & Language History **Credit(s): 3**
- ENG 4720 - Seminar in Literature **Credit(s): 3**

Upper-level Writing Workshops (6 credits)

(Take two courses)

- ENG 3120 - Poetry Workshop **Credit(s): 3**
- ENG 3130 - Fiction Workshop **Credit(s): 3**
- ENG 3140 - The Creative Essay **Credit(s): 3**

Total: 24 credits

English (B.A.) - J

Students in this program explore literature and language from critical, aesthetic, historical, linguistic and national perspectives. Opportunities to study creative writing and journalism are also components of the program.

Learning Outcomes for English Majors

The B.A. in English will:

1. Enable students to identify the major genres of literature, to recognize the features of each genre and to explore and evaluate different approaches to literary criticism and interpretation.
2. Introduce students to English, American and world literary traditions so that they will learn how literature both reflects and shapes intellectual, aesthetic and cultural life.
3. Develop students' abilities to analyze and explicate literary texts so that they can identify themes and ideas and learn how formal literary devices affect meaning.

4. Prepare students for graduate study, for teaching secondary school English and for careers in the private sector or in government that require critical thinking and reading skills as well as skills in research and discourse analysis.

Required Courses

Introductory Core Courses (3 credits)

- ENG 1310 - Introduction to Literature (J) **Credit(s): 3**

Introductory Survey Courses (9 credits)

(Choose three courses)

- ENG 2171 - World Literature I **Credit(s): 3**
- ENG 2172 - World Literature II **Credit(s): 3**
- ENG 2281 - Survey of English Literature I **Credit(s): 3**
- ENG 2282 - Survey of English Literature II **Credit(s): 3**
- ENG 2321 - Survey of American Literature I **Credit(s): 3**
- ENG 2322 - Survey of American Literature II **Credit(s): 3**
- ENG 2510 - Women & Literature **Credit(s): 3**

Writing Courses (6 credits)

(Choose two courses)

- ENG 2051 - Introduction to Journalism **Credit(s): 3**
- ENG 2052 - News Publishing **Credit(s): 3**
- ENG 2101 - Creative Writing **Credit(s): 3**
- ENG 3020 - Feature Writing **Credit(s): 3**
- ENG 3022 - Advanced News Publishing **Credit(s): 3**
- ENG 3120 - Poetry Workshop **Credit(s): 3**
- ENG 3130 - Fiction Workshop **Credit(s): 3**
- ENG 3140 - The Creative Essay **Credit(s): 3**

Upper-level Specialty Courses in Literature, Language and Criticism (9 credits)

- ENG 3565 - Shakespeare **Credit(s): 3**
- ENG 4150 - Literary Criticism & Theory **Credit(s): 3**
- ENG 4510 - Literary Research Tutorial **Credit(s): 3**

Additional Upper-level Specialty Courses in Literature, Language & Criticism (12 credits)

(Choose four courses)

- ENG 3270 - Myth & Myth Making **Credit(s): 3**

- ENG 3320 - The English Novel **Credit(s): 3**
- ENG 3345 - Contemporary Canadian Literature **Credit(s): 3**
- ENG 3380 - British Romantic Literature **Credit(s): 3**
- ENG 3390 - Literature of the Grotesque **Credit(s): 3**
- ENG 3395 - Satire in Literature **Credit(s): 3**
- ENG 3435 - Practical Grammar **Credit(s): 3**
- ENG 3480 - Modern Literature **Credit(s): 3**
- ENG 3510 - Contemporary Literature **Credit(s): 3**
- ENG 3520 - American Poetry **Credit(s): 3**
- ENG 3525 - Victorian Literature **Credit(s): 3**
- ENG 3530 - The American Novel **Credit(s): 3**
- ENG 3580 - African American Literature **Credit(s): 3**
- ENG 3680 - Linguistics & Language History **Credit(s): 3**
- ENG 4720 - Seminar in Literature **Credit(s): 3**

Optional Thesis (3 credits)

- ENG 4920 - Senior Thesis **Credit(s): 3**

Total: 39 credits (42 with thesis)

Secondary Teaching License in English

Students pursuing licensure endorsement to teach English in grades 7-12 must successfully complete either the English (B.A.) - J or the Creative Writing (B.F.A.) - J as well as specific teacher-education coursework and requirements. Please refer to the Secondary Teacher License Endorsement - J section for details.

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* meet all other Degree Requirements, including the General Education Core Curriculum and NVU Graduation Standards.

Journalism (B.A.)-J

This multi-disciplinary program prepares students for a career in print and digital journalism. It provides a strong, practical background in the best practices of news and feature writing, investigative reporting, photojournalism, professional applications of social media, and digital media technology. Students are also immersed in the ethics and history of journalism as both a profession and a calling, understanding the rights and responsibilities of a free press in a democratic society.

Learning Outcomes:

1. Students will understand and apply best practices to their professional work.
2. Students will gain competency in a variety of media platforms applicable to both print and web.
3. Students will achieve proficiency in journalistic processes, including interviewing techniques, research, story structure, photography, AP style, and writing concisely, clearly, and accurately.
4. Students will understand the strengths and limitations of social media and apply that knowledge professionally.
5. Students will learn to work under the pressure of constant deadlines.
6. Students will understand mass media theories as they apply to a rapidly changing media landscape.

7. Students will understand the importance of a free press in fostering civic engagement and a healthy democracy.

Required Courses

Core Courses (30 credits)

- ENG 2051 - Introduction to Journalism **Credit(s): 3**
- ENG 2052 - News Publishing **Credit(s): 3**
- ENG 3020 - Feature Writing **Credit(s): 3**
- ENG 3022 - Advanced News Publishing **Credit(s): 3** (repeatable for additional credit)
- ENG 4010 - Media Ethics **Credit(s): 3**
- ART 2110 - Introduction to Digital Media **Credit(s): 3**
- SOC 3130 - Mass Media & Society **Credit(s): 3**
- ENG 4810 - Internship (J) **Credit(s): 1-12** (minimum of 3 credits required)

Electives (15 credits)

- ART 2301 - Photography I (J) **Credit(s): 3**
- ART 4020 - Advanced Digital Media **Credit(s): 3**
- ART 4040 - Advanced Photography **Credit(s): 3**
- BUS 2015 - Fundamentals of Management in Business **Credit(s): 3**
- BUS 2230 - Principles of Marketing **Credit(s): 3**
- BUS 3272 - Social-Media Marketing **Credit(s): 3**
- ECO 2060 - Survey of Economics **Credit(s): 4**
- Any ENG 2000-level Literature Survey Course (3 credits)
- ENG 4130 - The Form & Theory of Nonfiction **Credit(s): 3**
- ENG 4160 - Investigative Journalism **Credit(s): 3**
- HIS 1212 - American History II **Credit(s): 3**
- POS 1020 - American Politics and Government **Credit(s): 3**

Total: 45 credits

Journalism Minor - J

Required Courses

- ART 2110 - Introduction to Digital Media **Credit(s): 3**
- ART 2430 - Introduction to Video Production **Credit(s): 3**
- ENG 2051 - Introduction to Journalism **Credit(s): 3**
- ENG 2052 - News Publishing **Credit(s): 3**
- ENG 3020 - Feature Writing **Credit(s): 3**
- ENG 3022 - Advanced News Publishing **Credit(s): 3**
- ENG 4010 - Media Ethics **Credit(s): 3**
- ENG 1260 - Introduction to Photojournalism **Credit(s): 3**

Total: 24 credits

Literature Minor - J

Required Courses

Introductory Survey Courses (12 credits)

(Choose four courses)

- ENG 2171 - World Literature I **Credit(s): 3**
- ENG 2172 - World Literature II **Credit(s): 3**
- ENG 2281 - Survey of English Literature I **Credit(s): 3**
- ENG 2282 - Survey of English Literature II **Credit(s): 3**
- ENG 2321 - Survey of American Literature I **Credit(s): 3**
- ENG 2322 - Survey of American Literature II **Credit(s): 3**

Specialty Courses in Particular Genres, Periods, Themes or Authors (9 credits)

(Choose three courses)

- ENG 3270 - Myth & Myth Making **Credit(s): 3**
- ENG 3320 - The English Novel **Credit(s): 3**
- ENG 3345 - Contemporary Canadian Literature **Credit(s): 3**
- ENG 3380 - British Romantic Literature **Credit(s): 3**
- ENG 3390 - Literature of the Grotesque **Credit(s): 3**
- ENG 3395 - Satire in Literature **Credit(s): 3**
- ENG 3435 - Practical Grammar **Credit(s): 3**
- ENG 3480 - Modern Literature **Credit(s): 3**
- ENG 3510 - Contemporary Literature **Credit(s): 3**
- ENG 3520 - American Poetry **Credit(s): 3**
- ENG 3525 - Victorian Literature **Credit(s): 3**
- ENG 3530 - The American Novel **Credit(s): 3**
- ENG 3565 - Shakespeare **Credit(s): 3**
- ENG 3580 - African American Literature **Credit(s): 3**
- ENG 3680 - Linguistics & Language History **Credit(s): 3**
- ENG 4720 - Seminar in Literature **Credit(s): 3**

Total: 21 credits

Professional Writing, Editing, & Publishing (B.A.) - J, O

Professional Writing, Editing and Publishing is an interdisciplinary major designed to prepare students for a wide variety of careers in the writing and publishing field. Students graduating with a degree in Professional Writing, Editing, and Publishing from NVU will do so with skills critical to the publishing profession: writing in many genres including grounding in journalism and literary nonfiction, graphic design, the art of literary editing, technical skills needed to format manuscripts for commercial

presses and an understanding of the literary marketplace. Courses in the core of this program cross disciplinary lines, incorporating the tangible benefits of both liberal arts and career training. For all students in the program, a capstone course will develop a book from initial manuscript submission and acceptance through to the editing and design phases, culminating with actual publication and distribution through a new imprint, Northern Vermont University Press.

Professional Writing, Editing, & Publishing Course Requirements

Total Credits: 45

- ENG 2031 - History and Art of Publishing **Credit(s): 3**
- ENG 2051 - Introduction to Journalism **Credit(s): 3**
- ENG 2052 - News Publishing **Credit(s): 3**
- ENG 2101 - Creative Writing **Credit(s): 3**
- ENG 3020 - Feature Writing **Credit(s): 3**
- ENG 3022 - Advanced News Publishing **Credit(s): 3**
- ENG 3120 - Poetry Workshop **Credit(s): 3**
OR ENG 3130 Fiction Workshop
OR ENG 3140 The Creative Essay
- ENG 3032 - Literary Publishing in the 21st Century: Green Mountains Review **Credit(s): 3**
- ENG 3435 - Practical Grammar **Credit(s): 3**
- ENG 4130 - The Form & Theory of Nonfiction **Credit(s): 3**
- ENG 4810 - Internship (J) **Credit(s): 1-12**

Writing and Publishing Minor - J

Students will learn the relationships between writers and readers; art and business; and traditional and new technologies related to editing, publishing, and writing. Coursework includes the history of publishing; editing; and writing skills. All students complete a 1-3 credit internship in a relevant area, such as communications, marketing, publishing, or writing.

Program outcomes:

Students will be able to:

1. Understand the history of publishing in the 20th century and how that informs current practices.
2. Demonstrate teamwork in making decisions and carrying out the functions of publications.
3. Write articles, reports, and correspondence in correct format and style.
4. Evaluate critically their own and others' writing for content and style.
5. Communicate effectively with peers, authors, and other professionals.

Required Courses (18 credits)

- ENG 2031 - History and Art of Publishing **Credit(s): 3**
- ENG 2052 - News Publishing **Credit(s): 3**
- ENG 3032 - Literary Publishing in the 21st Century: Green Mountains Review **Credit(s): 3**
- ENG 3020 - Feature Writing **Credit(s): 3**
- ENG 3435 - Practical Grammar **Credit(s): 3**
- ENG 4810 - Internship (J) **Credit(s): 1-12** (a minimum of 3 credits of internship with the *Green Mountains Review*, or in another appropriate placement in the student's area of interest that is approved by the Department Chair, is required.)

Theoretical Framework & Learning Pursuits

Students in NVU-Johnson Department of Education programs gain both an understanding of the discipline of education and a practical grasp of effective professional practice. These two realms provide a foundation for the development of content-specific professional knowledge, the use of action research to design pedagogical strategies, the use of critical theory to confidently serve as a progressive colleague and advocate, and the pursuit of continuous personal growth. Taken together, these four strands of learning and inquiry support the program theme, "Teach with Intention."

Students who successfully complete a Department of Education program will:

- Use academic study to examine content area knowledge including established constructs, historical developments, common misconceptions, enduring questions and cross-disciplinary connections;
- Use action research to design and assess original, inclusive and engaging learning experiences that are meaningful and effective;
- Use critical analysis grounded in social, political, ethical and leadership perspectives to reframe educational endeavors toward more vibrant and just ends; and
- Use self-study grounded in an understanding of diverse world-views to rethink longstanding, conventional notions toward an open-minded, strength-based perspective.

Accreditation of Teacher-Education Programs

The Teacher Education Programs at JSC are accredited through the Vermont Standards Board for Profession Educators. The accreditation process assures that candidates who are recommended for licensure meet all state standards for the license and the endorsement. Vermont has established agreements to have educators' licenses recognized in over 40 other states, districts and territories through association with NASDTEC.

The Education Department offers courses with an EDU designator. See full Course Descriptions. The department also offers a Master of Arts program in education. For further information, see the Johnson State College graduate catalog.

Advancing through a Teacher Education Program at NVU-Johnson

1. Advancement through an NVU-Johnson Teacher Education Program requires attending all five Teacher Education Workshops (EDU TEW1, EDU TEW2, EDU TEW3, EDU TEW4 and EDU TEW5). These are one-time meetings held each semester in multiple sections. Each workshop provides guidance on completing the next set of requirements for the program. **Students who do not meet these benchmark requirements will not be permitted to proceed in the program.**
2. Students must earn a B- or better in all courses with an EDU designator. Students must have a 3.0 cumulative GPA, a 3.0 GPA in their Unified Arts or Secondary Education major or the Childhood Education Liberal Arts & Sciences concentration, and a passing score on the PRAXIS II examination before applying for student teaching.
3. Students in all NVU-Johnson Teacher Education Programs complete numerous fieldwork assignments, which take place during typical public school hours (Monday-Friday, 7 a.m. to 3:30 p.m.). Students are expected to arrange their own transportation to fieldwork sites.
4. Students seeking endorsement for licensure from NVU-Johnson must submit a complete **Level I Licensure Portfolio** (see below), ready for scoring, by the due date established within the student teaching semester.

The Level I Licensure Portfolio

The Level I Portfolio is used to assess a candidate's readiness to apply for a Level I Professional Educator's License from the

Vermont Agency of Education.

Portfolios must be constructed in accordance with the current guidelines established by the Vermont Standards Board for Professional Educators; refer to the NVU-Johnson Portfolio Handbook for details. Portfolios that do not meet guidelines will not be accepted for review.

Portfolios must achieve passing scores from two reviewers: a faculty member and a member of the NVU-Johnson Board of Reviewers. *Note:* In some cases, reviewers may request revisions, giving the student an opportunity for a second review. While the review process typically takes a few weeks, it can last many months to a year if a portfolio requires revision. Students may be required to enroll in a credit-bearing tutorial session to complete or revise a portfolio.

Students may apply for a limited extension in submitting their portfolio due to unexpected circumstances, but requests must be made during the student teaching semester.

5. Students will participate in three interviews spread throughout the program: an entry interview, a midway interview and an exit Interview. These interviews help assess readiness as students progress through their teacher education program.
6. **In order to earn a recommendation for licensure from Northern Vermont University, students must meet all applicable requirements for licensure in place at the time of the recommendation.** If the requirements for licensure established by the Vermont Standards Board for Professional Educators, the Vermont Agency of Education or the U.S. Department of Education change over the span of a student's enrollment, the student must consult with his or her Program Director to determine whether the changes apply and, if so, how best to meet the new requirements.

Applying to a Teacher Education Program at NVU-Johnson

1. In order to apply to an NVU-Johnson Teacher Education Program, students must have a minimum 2.75 cumulative GPA and a passing score on one of the following exams: Praxis Core tests, SAT, ACT or GRE.
2. Students will learn about the application when they enroll in EDU TEW1 - Teacher Education Workshop 1: Introduction to Teacher Education , during their first semester in an education program. They also should enroll in the beginning coursework for the program (EDU 2360 or EDU 2365) at this time.
3. Students should work with their advisor to construct a course sequence covering all requirements. Discuss course equivalents, substitutions or waivers with the Program Director.
4. Students transferring credits from other institutions (including other Vermont State Colleges) must schedule a transcript review with the Licensure Office Coordinator or their Program Director to determine which courses satisfy which requirements, if any.

Preparation, Application & Advancement

Students wishing to prepare for an application to a Teacher Education Program should obtain a program handbook from the Education Department. A few of the preparation steps are listed below, others are detailed in the handbook.

1. Work with your major advisor and the Program Director for Secondary Education Programs in the Education Department to construct a **Course Sequence** covering all requirements. Discuss course equivalents, substitutions or waivers with the Program Director.
2. Students transferring credits from other institutions (including CCV and other VSC colleges) must meet with the Program Director for a **Transcript Review** to determine which courses satisfy which requirements, if any.
3. Students must apply to enter a Teacher Education Program: Acceptance into the College or declaring a major or beginning coursework in a program of student does not constitute entry into a Teacher Education Program. Enroll in

the beginning coursework for the program (EDU 2360 or EDU 2365) and attend EDU TEW1, Teacher Education Workshop 1, to learn about the Teacher Education Program application process.

4. Full acceptance into the ELED program includes satisfaction of the **Vermont Educator Testing Requirements**: Students must submit passing scores on the PRAXIS I examination, the SAT examination, the ACT examination, or the GRE examination. For complete information, see <http://education.vermont.gov/new/html/licensing/testing.html>.
5. Students in all Teacher Education programs complete numerous fieldwork assignments. Students are expected to provide time in their weekly schedule to accomplish fieldwork assignments during typical public school hours (M-F, 7 am to 3:30 pm) and to arrange their own transportation to fieldwork sites.
6. Advancement through a teacher education program requires attendance at five Teacher Education **Workshops** (EDU TEW1 through EDU TEW5). These are onetime meetings held each semester in multiple sections: See the Course Sequence Plans in the Teacher Education Handbook for details. Each workshop provides guidance for completing the next set of requirements for the program. Those who do not meet the benchmark requirements will not be permitted to proceed in the program.
7. Students must earn a B- or better in all endorsement-specific courses. Students must demonstrate a 3.0 cumulative **GPA**, a 3.0 GPA in the major, and pass the **PRAXIS II** examination before applying for the Teaching Internship (e.g. Student Teaching).
8. Students will participate in three interviews spread throughout the program: **Entry Interview, Midway Interview, Exit Interview**. Expect these to be one hour, on campus.
9. Earning a *Recommendation for Licensure* from JSC requires a student to meet all applicable requirements for licensure in place at the time of the recommendation. If the requirements for licensure established by the Vermont Standards Board for Professional Educators, the Vermont Department of Education or the U.S. Department of Education change over the span of a student's enrollment in a TE program, the student must consult with his/her TE Program Director to determine if the changes apply and, if so, how best to meet the new requirements.

Course Descriptions

Courses that meet the General Education Curriculum (GEC) are so noted at the end of their individual course description.

Courses noted as “shared” are also offered at one or more of the other Vermont State Colleges.

Accounting

Accounting

ACC 1010 - Computerized Accounting

Credit(s): 3

This course demonstrates how various accounting systems are implemented and integrated on a microcomputer. Students will become proficient with applications in general ledger, receivables, payables, inventory, fixed assets and the preparation of financial statements.

Prerequisites: ACC 2121

Offering Location: Johnson Campus

ACC 1710 - Special Topics in Accounting

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 1000-level not offered in the general Accounting

curriculum.

Offering Location: Lyndon Campus

Repeatable for Credit: With a change of topic.

ACC 2121 - Financial Accounting

Credit(s): 4

Financial accounting introduces students to the problems of external reporting as they relate to sole proprietorships, partnerships, and corporations. After exploring the accounting cycle, the instruction allows students to examine the various accounts found in financial statements and learn how to put these accounts together to render meaningful statements that communicate pertinent information to those who read them.

Prerequisites: BUS 1210 and BUS 2140; or permission of instructor.

Offering Location: Johnson Campus, Lyndon Campus

ACC 2122 - Managerial Accounting

Credit(s): 4

This course explores internal accounting systems and the uses of internally generated data in management. Topics include: the use of financial accounting data, cost-volume-profit analysis, budgets and responsibility accounting, and cost allocations.

Prerequisites: ACC 2121

Offering Location: Johnson Campus, Lyndon Campus

ACC 2201 - Intermediate Accounting I

Credit(s): 4

This course provides an intensive study of Generally Accepted Accounting Principles as they relate to the preparation and use of financial statements. Topics include cash, temporary investments, receivables, inventory valuation, plant-asset acquisition and disposal, depreciation and depletion, and intangible assets.

Prerequisites: ACC 2122

Offering Location: Johnson Campus, Lyndon Campus

ACC 2202 - Intermediate Accounting II

Credit(s): 4

This course is a continuation of Intermediate Accounting I and covers financial statement reporting and disclosure. Topics include current and long-term liabilities, investments, non-operational revenue, corporate owner's equity, pensions, income taxes, and preparation of the statement of cash flows.

Prerequisites: ACC 2201

Offering Location: Johnson Campus, Lyndon Campus

ACC 2210 - Cost Accounting

Credit(s): 4

This course examines key concepts and principles used in recording, classifying, and reporting cost data in relationship to planning and control processes. Topics covered in this course include budgeting, job order and job process, activity and responsibility accounting, and variance analysis.

Prerequisites: ACC 2122

Offering Location: Johnson Campus, Lyndon Campus

ACC 2230 - Federal Taxes

Credit(s): 3

Federal Taxation acquaints students with the basic rules of federal taxation, and emphasizes the planning and control opportunities that exist as we live and conduct business in the environment of the federal tax system.

Prerequisites: ACC 2121; or permission of instructor.

Offering Location: Johnson Campus, Lyndon Campus

ACC 2710 - Special Topics in Accounting

Credit(s): 3 (Johnson); Variable (Lyndon)

This course provides students the opportunity to pursue topics appropriate to the 2000-level not offered in the general Accounting curriculum.

Offering Location: Johnson Campus, Lyndon Campus

Repeatable for Credit: With a change of topic.

ACC 2910 - Independent Study in Accounting

Credit(s): 1-12

Students plan and complete an approved independent study in consultation with their faculty supervisor.

Offering Location: Johnson Campus

ACC 3030 - Business Accounting Systems

Credit(s): 3

This is a study of the major accounting subsystems prevalent in small and medium-sized businesses. Emphasis is placed on the architecture and integration of these subsystems within the business environment. Management and control of the various

subsystems is a major emphasis in this course.

Offering Location: Johnson Campus

ACC 3050 - Computerized Accounting

Credit(s): 3

This course uses software such as QuickBooks Accounting and covers the use of the microcomputer as an accounting tool. Students will apply knowledge of accounting principles and computers to operate integrated accounting software for various aspects of accounting, including general ledger, accounts payable and receivable, inventory, manufacturing, payroll, and depreciation.

Prerequisites: ACC 2121

Offering Location: Johnson Campus, Lyndon Campus

ACC 3115 - Advanced Accounting

Credit(s): 3

This course is a continuation of Intermediate Accounting II. Topics covered in this course include business acquisitions, corporate consolidations, foreign currency transactions and multi-national concerns, partnerships, government and not-for-profit accounting, and fiduciary accounting. Special emphasis is placed on the required knowledge for the Uniform CPA Exam.

Prerequisites: ACC 2202

Offering Location: Johnson Campus, Lyndon Campus

ACC 3710 - Special Topics in Accounting

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 3000-level not offered in the general Accounting curriculum.

Offering Location: Lyndon Campus

Repeatable for Credit: With a change of topic.

ACC 4050 - Auditing and Assurance Services

Credit(s): 3

Auditing introduces principles and procedures of investigating financial statements and underlying records. Topics covered in this course include types of audits, responsibilities and duties of the auditor, audit standards, audit programs, internal control, the auditor's report, and ethics.

Prerequisites: ACC 2202; or permission of instructor.

Offering Location: Johnson Campus, Lyndon Campus

ACC 4060 - Forensic Accounting

Credit(s): 3

This course is an examination of several different aspects of fraud and focuses on topics such as internal control, financial-reporting fraud, fraud detection and deterrence. Students will utilize accounting techniques and skills from their prior accounting courses to analyze financial statements and make comparisons between financial statements that cover multiple years. Emphasis is on learning to identify irregularities in all aspects of financial statements.

Prerequisites: ACC 2202

Offering Location: Johnson Campus, Lyndon Campus

ACC 4710 - Special Topics in Accounting

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 4000-level not offered in the general Accounting curriculum.

Offering Location: Lyndon Campus

Repeatable for Credit: With a change of topic.

ACC 4910 - Independent Study in Accounting

Credit(s): 1-12

Students plan and complete an approved independent study in consultation with their faculty supervisor.

Offering Location: Johnson Campus

Anthropology

Anthropology

ANT 1010 - Introduction to Cultural Anthropology

Credit(s): 3

Cultural anthropology is the study of humans, especially the range of ways in which people around the world today and throughout history have organized themselves to live together -- to get along, to survive, to thrive and to build meaningful lives. This course introduces students to the fascinating work of anthropologists and the research strategies and analytical perspectives they have developed to help shed light on complex issues such as culture and power; race, gender and sexuality; class and inequality; ethnic conflict and the nation-state; and the global economy.

Offering Location: Johnson Campus

ANT 1015 - The ANS Major

Credit(s): 1

This course is designed to introduce students to the exciting disciplines of anthropology and sociology. Students will develop basic skills needed for the ANS major, explore the sub-fields of anthropology and sociology, investigate career options, and be introduced to advising in the ANS program and other fields and minors that are associated with the program, such as global studies, gender studies, wellness and alternative medicine, and culture, ecology, and health studies. Activities may include guest speakers, interviews, and site visits.

Restrictions: ANS Majors Only.

Offering Location: Johnson Campus

ANT 1030 - Introduction to Anthropology

Credit(s): 3

This course introduces the study of humankind from both biological and cultural perspectives. The instruction provides a survey of the four subfields: physical anthropology, archaeology, sociolinguistics and cultural anthropology. The course examines problems such as human evolution, physical variation and the diversity of human cultures in both the past and the present.

Offering Location: Lyndon Campus

ANT 1710 - Special Topics in Anthropology

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 1000-level not offered in the general Anthropology curriculum.

Offering Location: Lyndon Campus

Repeatable for Credit: With a change of topic.

ANT 2710 - Special Topics in Anthropology

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 2000-level not offered in the general Anthropology curriculum.

Offering Location: Lyndon Campus

Repeatable for Credit: With a change of topic.

ANT 2810 - Internship in Anthropology

Credit(s): 1-12

Students plan and complete an approved internship in consultation with their faculty supervisor.

Offering Location: Johnson Campus

ANT 2910 - Independent Study in Anthropology (J)

Credit(s): 1-12

Students plan and complete an approved independent study in consultation with their faculty supervisor.

Offering Location: Johnson Campus

ANT 2910 - Independent Study in Anthropology (L)

Credit(s): 1 to 3

This course allows the student to pursue the exploration of a topic in anthropology not offered in the regular curriculum, under the tutelage of a department faculty member. An independent-study contract must be negotiated with the instructor and filed before registering for this course.

Prerequisites: ANT 1030 and permission.

Restrictions: Sophomore standing.

Offering Location: Lyndon Campus

Repeatable for Credit: With change of topic.

ANT 3010 - Native Societies of America

Credit(s): 3

This course examines relations between ecology and social organization in traditional native societies of North America. The first half of the course surveys Native American societies as a whole and the habitat in which they occurred. The last half is a detailed analysis of Central Arctic seal hunters, Northwest coast fishers, Plains bison hunters, Southwestern Pueblo builders, Mississippi Valley moundbuilders, and Northeast farmers.

Restrictions: Sophomore standing.

Offering Location: Lyndon Campus

ANT 3020 - Religion, Culture & Alternate Realities

Credit(s): 3

While consciousness is a universal characteristic of human beings, it is profoundly influenced by the culture of each group. This causes people to experience life as a complex interaction of "alternate realities." Students explore the relationship between culture and alternate realities through topics such as altered states of consciousness, dreams, faith, magic, shamanism, witchcraft, possession and mysticism.

Offering Location: Johnson Campus

ANT 3030 - Comparative Cultures

Credit(s): 3

This course explores human cultural diversity through case studies of simple to complex, non-western societies. Interactions between people and their environments are the focus of cultural comparison.

Restrictions: Sophomore standing.

Offering Location: Lyndon Campus

ANT 3040 - Culture Change in the Modern World

Credit(s): 3

This course explores processes of social and cultural change, ranging from gradual modifications during prolonged peaceful periods to sudden revolutionary upheavals. Factors inhibiting and facilitating change are discussed along with such topics as invention, development, social power movements, changing interpersonal relations, the impact of technology, cultural clashes and innovative religions. Included is Visual Anthropology: ethnographic photography, camera culture and photographic states of consciousness.

Offering Location: Johnson Campus

ANT 3050 - Culture, Ecology, and Health

Credit(s): 3

This course is designed to explore the nature of disease and illness worldwide. Students will examine the interrelationships between ecology and culture, comparing western healthcare practices with those of indigenous peoples of Africa, Mexico, Southeast Asia, and Native America. The course is taught from an interdisciplinary perspective, incorporating such fields as nutrition, anthropology, history, economics, and medicine.

Prerequisites: ANT 1030, or SOC 1010, or sophomore standing.

Offering Location: Lyndon Campus

ANT 3060 - Ethnocuisine

Credit(s): 3

This course explores the complex roles of food around the world from an anthropological perspective. Students will conduct a historical and cultural survey of food areas around the world, including foodways associated with Native America, Latin America, Asia, Europe, and Africa. The students will engage in a research component called "Cooking Praxis," where they analyze the history, culture, and economies of their assigned region, cook the meal of that region, and discuss their experience in a website blog. Students will explore the foodways used by all levels of society and learn to analyze choices based on a variety of anthropological theoretical frameworks.

Restrictions: Sophomore standing.

Offering Location: Lyndon Campus

ANT 3070 - Ecotourism

Credit(s): 3

[LGGE6] This course examines ecological and anthropological principles as applied to tourism. It identifies principles of human behavior used in eco-tourism issues and studies the relationship between natural resources, cultural relativism, and tourism. It also analyzes the planning and management of natural, cultural resources and peoples' way of life for sustainable use in tourism with special focus on rural and village areas, wildlife sanctuaries, deserts, and other ecosystems such as forests, mountains, beaches, and islands.

Prerequisites: The prerequisite is sophomore standing. This course is offered every odd-numbered spring.

ANT 3110 - Development of Anthropological Thinking

Credit(s): 3

This course explores the ideas that have inspired anthropologists in their studies of societies around the world. It offers an introduction to key anthropological theories, past and present, and traces the way in which they have been translated into anthropological debates about culture and power as well as understandings of class, race, gender and sexuality.

Prerequisites: ANT 1010 or permission of instructor

Offering Location: Johnson Campus

ANT 3120 - Science, Research Methods & Ethics

Credit(s): 3

This course introduces quantitative and qualitative methods useful to sociologists and anthropologists to investigate how people create and sustain culture and society. Some methods included are the survey, field observation, ethnography and content analysis.

Offering Location: Johnson Campus

ANT 3130 - Culture & Personality

Credit(s): 3

This course is an investigation of interaction between the culture of a group and the thoughts, emotions and behavior of its members. Topics include group personality, patterns and types of normal and abnormal behavior and cultural features of helping relationships. Students learn to observe and analyze human behavior from different perspectives.

Offering Location: Johnson Campus

ANT 3140 - Yoga and Ayurveda: Science & Culture

Credit(s): 3

Yoga is one of the oldest healing practices on Earth. It has been practiced in India for thousands of years. Yoga reduces stress and anxiety, enhances flexibility and strengthens the body. Yoga teaches us how physical postures, breathwork and meditations reduce suffering of an ungrounded mind. Yoga's sister science and India's traditional medical system, Ayurveda, is defined as "the science of life" where the balance of wind, fire and water is crucial to health. Students will learn how diet, lifestyle and environmental influences affect our individual constitutions (the Doshas: Vata, Pitta or Kapha) and how to achieve optimum health.

Prerequisites: SOC 1040 or SOC 3080 or Permission of Instructor

Offering Location: Johnson Campus

ANT 3310 - Myth, Magic & Religion

Credit(s): 3

This course is designed to provide an overview of myth, ritual, and ideological tenets of cultures around the world. Although focused on indigenous (native) religious contexts, the course examines the synthesis between original belief systems and the major world religions such as Buddhism, Taoism, Islam, Christianity, and Judaism. Students will further learn how to relate religion to other socio-cultural processes such as economics, politics, gender, and sexuality.

Restrictions: Sophomore standing.

Offering Location: Lyndon Campus

ANT 3710 - Special Topics in Anthropology

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 3000-level not offered in the general Anthropology curriculum.

Offering Location: Lyndon Campus

Repeatable for Credit: With a change of topic.

ANT 3820 - Anthropology Fieldwork

Credit(s): 1 to 6

This course is designed to train students in social science fieldwork techniques with emphasis on anthropological qualitative methods of participant observation, interview, kinship analysis, life case history, and photography. It will involve traveling to and living among the group under study. The actual field study will be preceded by preparatory background study and followed by data analysis and a written report. This course may be repeated once for credit, with instructor's permission, if new work is undertaken.

Prerequisites: ANT 1030 or permission.

Offering Location: Lyndon Campus

ANT 4010 - Anthropology of Death

Credit(s): 3

This course studies death from a wide variety of approaches and is designed to help students integrate objective descriptions and analysis with subjective thoughts and feelings. Our orientations toward death are compared with those of other cultures through such issues as terminal illness, experiencing death, prolonging life and hastening death. Mourning, funerals, life after death and processes of symbolic death and rebirth are also explored.

Offering Location: Johnson Campus

ANT 4020 - Multicultural Health, Illness & Healing

Credit(s): 3

This course provides an understanding of the complex interrelationships between cultural, biological, psychological and environmental components of health, disease, illness and medical treatment. Some topics include medical explanatory beliefs, adaptation, stress, illness experiences, healing techniques, patient/practitioner relations and religion. Western biomedicine and many other medical systems of the world are compared searching for cultural diversity and universals. The variety of cases studied and the perspectives used ranges from the single individual, to diverse groups, to the entire global population. Students apply anthropology and other disciplines to the experience of being sick and to the delivery of health care in many different cultures.

Offering Location: Johnson Campus

ANT 4710 - Special Topics in Anthropology

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 4000-level not offered in the general Anthropology curriculum.

Offering Location: Lyndon Campus

Repeatable for Credit: With a change of topic.

ANT 4720 - Senior Seminar in Anthropology/Sociology

Credit(s): 3

This capstone course reviews the major concepts, theories and methodologies of anthropology and sociology and offers students leadership, teaching and volunteer service opportunities to demonstrate their unique knowledge and skills in social situations, in social services and in high schools.

Restrictions: Senior standing

Offering Location: Johnson Campus

ANT 4730 - Topical Seminar in Anthropology

Credit(s): 1-3

This course explores new topics and current developments in the discipline. The seminar emphasizes student research, presentation and discussion.

Offering Location: Johnson Campus

ANT 4810 - Internship in Anthropology

Credit(s): 1-12

Students plan and complete an approved internship in consultation with their faculty supervisor.

Offering Location: Johnson Campus

ANT 4910 - Independent Study in Anthropology (J)

Credit(s): 1-12

Students plan and complete an approved independent study in consultation with their faculty supervisor.

Offering Location: Johnson Campus

ANT 4910 - Independent Study in Anthropology (L)

Credit(s): 1 to 3

This course allows the student to pursue an advanced, in-depth study of a topic in history not offered in the regular curriculum, under the tutelage of a department faculty member. An independent-study contract must be negotiated with the instructor and filed before registering for this course.

Prerequisites: Permission.

Restrictions: Junior standing.

Offering Location: Lyndon Campus

Repeatable for Credit: With change of topic.

Art

Art

ART 1011 - Drawing I (J)

Credit(s): 3

This course is an introduction to drawing media, techniques and concepts, with emphasis on drawing from observation.

Offering Location: Johnson Campus

ART 1011 - Drawing I (L)

Credit(s): 3

This course provides an introduction to drawing mediums, techniques, and concepts, with emphasis on drawing from observation.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

ART 1025 - Learning Communities Lab: Art

Credit(s): 1

This Learning Communities success lab is a one-semester course designed to support students in successful completion of Learning Community-related courses. It will achieve this goal by assisting students in developing communication, technology, planning, and research skills as they directly relate to Learning Community course assignments. While taught in conjunction with Learning Community courses, this course will be applicable to the students' education at large.

Corequisites: ARH 1030

Offering Location: Johnson Campus

ART 1035 - Visual Arts Seminar

Credit(s): 3

This course emphasizes the key components to being successful in college and the visual arts. Careers, ethics, professionalism, and current trends in the visual arts will be discussed, and opportunities for practical use are given in presentations and critiques, as well as craftsmanship. Students will set goals and make plans for future success in their chosen field.

Offering Location: Lyndon Campus

Notes: *There is a course fee, but students may be required to incur additional expenses toward the completion of their projects.*

ART 1045 - Visual Narrative

Credit(s): 3

This course introduces concepts of visual story-telling related to different types of narrative, including, but not limited to, storyboarding, cinema, children's picture books, and the sequential art of graphic novels and comic books. Students will develop the ability to communicate visually using a variety of media.

Offering Location: Lyndon Campus

Notes: *There is a course fee, but students may be required to incur additional expenses toward the completion of their projects.*

ART 1080 - FYS: iMe: Reinventing Yourself in the Digital Age

Credit(s): 3

Have you ever uploaded a photo to Facebook, viewed cats from around the world on YouTube or conquered a video game with online teammates? Digital technology is making it easier than ever to express yourself and communicate on a global scale. With the advent of virtual realities like Second Life, you can reach beyond globalism and enter the realm of total imagination. With all of these exciting changes, how do you navigate this new world? In this seminar, we will explore technology's role in our lives. Through an interdisciplinary approach, we will examine science, art and literature's take on topics including Web 2.0, cybernetics and virtual reality. We will look at how these topics have influenced robotics, viral videos and most important, you.

Restrictions: First-year students only

Offering Location: Johnson Campus

ART 1090 - Worlds of Art

Credit(s): 3

Worlds of Art will explore the many worlds of art -- art making, art appreciation, art presentation, art criticism, and the artist and art studio, and the course will culminate in an intensive, five-day excursion into New York City.

Offering Location: Johnson Campus

ART 1130 - Revitalizing Community Through the Arts

Credit(s): 3

Students of all art abilities are welcome to create a variety of public art works that celebrates our inherent need to express ourselves. Projects are designed to be inclusive for all levels. Art in community celebrates and honors our variety of visual expressions. Students will fabricate a series of work to exhibit and share in public venues in Lamoille County. Possibilities include creating a series of prints, puppets and mural.

Offering Location: Johnson Campus

ART 1140 - Design I

Credit(s): 3

Design is a conceptual discipline directed at the analysis, interpretation, synthesis, and transformation of physical objects (form) and the physical environment (space) that contribute to the human experience. Exercises and projects are aimed at developing an understanding of the issues, elements, and processes of design. Sketching, drawing, modeling and prototyping will be used (both digital and analog) to develop useful objects, structures and environments.

Offering Location: Johnson Campus

ART 1180 - FYS: Art of Social Imagination: Sculpture in a Public Realm

Credit(s): 3

This introductory studio art course provides first-year students with an understanding of the tools and techniques of sculpture as well as applications of mixed media in a public realm. Starting as far back as ancient Rome, we explore art and art history to explain the theory and practice of public sculpture as it relates to community. Students will view "Interventionists" as people who interact with society to produce thoughtful and imaginative results. In class, students will develop proposals and construct projects that interact with academic, local, personal, and/or interpersonal realms. No prior experience is necessary; the emphasis here is an introduction to art history and hands-on learning.

Restrictions: First-year students only

Offering Location: Johnson Campus

ART 1231 - Ceramics I

Credit(s): 3

This course is an introduction to the ceramic arts, which develops the student's working knowledge of ceramic materials, tools and techniques. Students work with issues of concept and design and develop an understanding and appreciation of traditional, historical and contemporary ceramic objects and issues. Hand building is emphasized.

Offering Location: Johnson Campus

ART 1410 - Digital Photography

Credit(s): 3

This course explores the mechanical and electronic aspects of digital photography, as well as the basic tools of image manipulation. Instruction focuses on composition and the aesthetics of digital images. Access to a digital camera is required.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

ART 1710 - Special Topics in Art

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 1000-level not offered in the general Art curriculum.

Offering Location: Lyndon Campus

Repeatable for Credit: With a change of topic.

ART 2007 - FYS: Comix Go Legit: Contemporary Graphic

Credit(s): 3

One could argue that cave paintings were the first comics, but this course focuses on the most recent graphic novels, including award winning works by Art Spiegelman, Marjane Satrapi, Chris Ware, Daniel Clowes, Alison Bechdel and many more. In addition to reading masterworks, we will study the history of comics and the many uses of comics, including advertising and animation. Students will also design their own comics and produce a limited edition graphic of their own work. Drawing is only one way to approach this, but not the only way- photographers, writers, collage artists and stick-figure maestros are all welcome.

Restrictions: First-year students only

Offering Location: Johnson Campus

ART 2020 - Color Theory

Credit(s): 3

This course explores color theory as related to art, print, design, film, web, and other visual mediums. Instruction investigates color harmonies, effects, visual perception, and color symbolism.

Recommended: DES 1035

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

ART 2030 - Decorative Arts

Credit(s): 3

This course is an introduction to a variety of decorative art mediums. Students will explore processes such as papermaking, marbling, pattern design, textile printing and fabric dyeing. Emphasis will be on creativity, the expressive use of color, and development of artistic technique.

Restrictions: Sophomore standing.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

ART 2045 - 3D Modeling for Games and Animation

Credit(s): 3

This course introduces students to 3D character- and object-modeling for gaming and other animation, using 3D animation software to complete self-directed modeling projects.

Prerequisites: DES 2010

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

ART 2055 - Onsite Sketching

Credit(s): 3

This intensive studio course focuses on one aspect of the illustration world: reportage(onsite illustration). The class will explore drawing skills, design basics, layout, perspective, line quality, and color by practicing onsite illustrations of the surrounding landscape, including buildings, objects, and people in order to tell a story or to depict a mood.

Offering Location: Lyndon Campus

Repeatable for Credit: Up to 3 times (but only 3 credits may be counted toward Visual Arts program requirements).

Notes: *There is a course fee.*

ART 2070 - Introduction to Animation

Credit(s): 3

This course explores the process of traditional animation. Students will learn the basics of the animation process and its' application by story boarding and creating basic animation.

Prerequisites: ART 1011

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

ART 2110 - Introduction to Digital Media

Credit(s): 3

This course provides an overview of the digital image tools used in professional image editing, layout and design work, as well as an introduction to the general issues relevant to the handling of images and related art material in the digital context. A series of discussion topics will frame the relationship of digital media to fine art discourse and to specific media within that discourse.

Offering Location: Johnson Campus

ART 2115 - Digital Arts

Credit(s): 3

This course explores the use of digital technology as a venue for making art. Students will create original artwork using software programs in conjunction with digital photography and scans of traditional artwork. Contemporary digital artists and exhibition practices will be investigated.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

ART 2120 - Intro. Media Arts

Credit(s): 3

Intro. Media Arts is an overview of artistic and theoretical principles in media arts. Students will be taught basic image processing, vector-based design, video production and digital sound creation. Students will be exposed to work created by innovators of media arts to gain insight into applying technique and theory. The class will also provide an environment where students can share their work, ideas, and critique each others' progress.

Offering Location: Johnson Campus

ART 2121 - Calligraphy I

Credit(s): 3

The study and practice of historical and contemporary calligraphy will be introduced in this class. Techniques of lettering by hand and the anatomy of letterforms will be studied in depth.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

ART 2150 - Jewelry & Metalsmithing

Credit(s): 3

Students will develop a working knowledge and sensitivity toward metal as a material, gain a vocabulary of metalsmithing and jewelry techniques, and confront the degrees of excellence, precision and impeccability of craftsmanship in their own work as artists craftsmen.

Offering Location: Johnson Campus

ART 2211 - Painting I (J)

Credit(s): 3

This course presents technical and aesthetic aspects of painting that introduce students to the use of various painting media: oil, acrylic, watercolor, oil pastel, soft pastel, etc. A strong foundation in color theory is included, as well as an overview of painting masters, both historic and contemporary.

Offering Location: Johnson Campus

ART 2241 - Painting I (L)

Credit(s): 3

This course introduces techniques in watercolor painting, including preparation steps, paper selection, color mixing, and painting methods. Instruction covers aesthetics, composition, and possibilities of the medium.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

ART 2251 - Sculpture I (J)

Credit(s): 3

Students are introduced to historic and contemporary sculpture through different theoretical, practical and conceptual approaches utilizing a variety of media.

Offering Location: Johnson Campus

ART 2251 - Sculpture I (L)

Credit(s): 3

This course introduces students to historical and contemporary sculpture. Studio projects explore form, space, and dimension utilizing a variety of mediums.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

ART 2270 - Introduction to Illustration

Credit(s): 3

This course examines the process of traditional illustration and introduces students to thinking conceptually in a visual manner. Students will learn the basics of the illustration process, perspective, drawing, and its application by exploring the use of different traditional mediums to communicate ideas visually.

Prerequisites: ART 1011, DES 1020, and DES 1025.

Offering Location: Lyndon Campus

ART 2301 - Photography I (J)

Credit(s): 3

This course provides an introduction to the fundamentals of 35mm black and white photography, including darkroom techniques and the history and aesthetics of photography. A 35mm camera with adjustable f-stops and shutter speeds is required.

Offering Location: Johnson Campus

ART 2301 - Photography I (L)

Credit(s): 3

This course offers a comprehensive introduction to the art, science and craft of photography. The instruction covers such subjects as camera controls and operation, film exposure and development, black-and-white darkroom printing, print finishing and presentation aesthetics, and history.

Offering Location: Lyndon Campus

Notes: *A fully functional and adjustable 35mm SLR camera with 50mm lens is required. There is a course fee.*

ART 2410 - Introduction to Printmaking

Credit(s): 3

This course offers an exploration of the major forms of printmaking through a variety of techniques and media, as well as the history and technology of printmaking. Experimentation and exploration of the print as a vehicle of artistic expression will be emphasized in conjunction with development of technical proficiency.

Prerequisites: ART 1011

Offering Location: Johnson Campus

ART 2430 - Introduction to Video Production

Credit(s): 3

This course introduces students to the fundamentals of video production with an emphasis on best practices within the journalism profession. The course focuses on all stages of video production from project conception to final editing. Students are immersed

in the essentials of camera operation, image composition, lighting, sound and editing with Final Cut Pro. Students will produce small video projects leading to a longer final project.

Offering Location: Johnson Campus

ART 2530 - Illustration: Concepts and Genres

Credit(s): 3

This course expands students' skills in illustration and depicting concepts through focusing on specific areas of the illustration market place including but not limited to: sequential art, editorial illustration, and posters. Students continue to develop good business practices, learn typographic skills, and develop their own style in traditional or digital media.

Prerequisites: ART 2270 and formal acceptance into the program.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

ART 2610 - Advanced Digital Photography

Credit(s): 3

This course provides students with techniques in digital photography that expand the use of native digital files, image conversions, filters, and printing. Students develop a professional or personal digital-photography portfolio.

Prerequisites: ART 1410, or ART 2301 and DES 1020 and DES 1025.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

ART 2710 - Special Topics in Art

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 2000-level not offered in the general Art curriculum.

Offering Location: Lyndon Campus

Repeatable for Credit: With a change of topic.

ART 2810 - Internship in Art

Credit(s): 1-12

Students plan and complete an internship in an art field in consultation with their advisor.

Offering Location: Johnson Campus

ART 2910 - Independent Study in Art (J)

Credit(s): 1-12

Students develop and complete an independent study in an art field in consultation with their advisor.

Offering Location: Johnson Campus

ART 2910 - Independent Study in Art (L)

Credit(s): 1 to 3

This course gives the student an opportunity to work on a special area of interest that is not possible through the standard curriculum.

Restrictions: By Permission.

Offering Location: Lyndon Campus

Repeatable for Credit: With a change of topic.

ART 3020 - Concept Art for Games and Animation

Credit(s): 3

This course concentrates on visual principles and digital painting techniques for gaming and animation concept art and illustration using industry-standard software as a tool to mimic traditional art media. Students continue to develop their skills in both conceptual and narrative illustration.

Prerequisites: DES 1025

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

ART 3031 - Life Drawing (J)

Credit(s): 3

This is the classic figure-drawing course, exploring human form and addressing such issues as anatomy, gesture, technique and content.

Prerequisites: ART 1011 or permission of instructor

Offering Location: Johnson Campus

Repeatable for Credit: Yes

ART 3031 - Life Drawing (L)

Credit(s): 3

This is a classic figure-drawing course, which explores human form and addresses such issues as anatomy, gesture, technique, and content.

Prerequisites: ART 1011

Offering Location: Lyndon Campus

Repeatable for Credit: One time.

Notes: *There is a course fee.*

ART 3032 - Advanced Drawing

Credit(s): 3

Designed for students already familiar with the techniques of traditional drawing materials, this course explores more advanced concepts of image making and a personalized use of materials. Among the topics explored in various sentences are figure drawing, large-scale work, mixed-media, hand-made paper and bookmaking.

Prerequisites: ART 1011 or permission of instructor

Offering Location: Johnson Campus

Repeatable for Credit: Yes

ART 3040 - Landscape Painting

Credit(s): 3

This class explores traditional landscape painting issues of linear and atmospheric perspective, color and its relationship to light and space, and the passage of time and season. Students will work on site in the landscape and may work in a variety of media.

Prerequisites: ART 2211

Offering Location: Johnson Campus

Repeatable for Credit: Yes

ART 3050 - Painting II

Credit(s): 3

This course introduces techniques in acrylic painting, including preparation steps, canvas selection, color mixing, and painting methods. Instruction covers aesthetics, composition, and other possibilities of the medium.

Prerequisites: ART 1011

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

ART 3060 - Book Arts

Credit(s): 3

This course is an introduction to the design and construction of handmade artist's books. Opportunity will be provided for the creation of artwork, photography, or other content in addition to learning multiple styles and bindings for books.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

ART 3061 - Advanced Book Arts

Credit(s): 3

This studio course focuses on providing the student an increased understanding of the handmade artist's books. Students will continue to develop bookbinding skills, designing for page layout, and the creation of original artwork for books.

Prerequisites: ART 3060

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

ART 3070 - Illustration: Methods and Practice

Credit(s): 3

This studio course focuses on providing the student an increased understanding of the art of illustration. Students will continue to develop drawing and conceptual skills, their own distinct illustration style. There is a focus on creating and using photo references to aid in the illustration process, typographic skills, and the ability to communicate visually through illustration, in traditional and/or electronic media. Students will continue to learn about the business of illustration.

Prerequisites: ART 2270 and formal acceptance into the program.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

ART 3085 - 3D Rigging and Animation

Credit(s): 3

This course introduces fundamental concepts of 3D animation. By building and rigging simple characters, the twelve principles of animation will be applied to the digital format and students will develop the necessary skills needed to create short animated films using 3D software.

Prerequisites: ART 2045 and formal acceptance into the major.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

ART 3160 - Character Design

Credit(s): 3

This course focuses on character development and creation skills, including pencil and paper, maquettes, digital sculpting, and digital painting techniques. Topics may include character appeal, character archetypes, biophilia, historical approaches, and current stylistic/ethical debates over character depictions in animation, cartooning, and other visual media. Heavy emphasis will be placed on drawing, creating model/style sheets, caricature, storytelling, and production of work for a professional portfolio.

Prerequisites: ART 2045 and ART 3031.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

ART 3210 - Puppetry

Credit(s): 3

This course takes creative approaches to puppetry and mask making. Instruction includes the construction of puppets, masks and sets. Students are involved in various aspects of performance.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

ART 3222 - Ceramics II

Credit(s): 3

This advanced-level course in ceramics encourages the continued exploration of and experimentation with clay as an artistic medium, with emphasis on independent creative research. Students learn basic clay and glaze formulation and kiln operation.

Prerequisites: ART 1231 or permission of instructor

Offering Location: Johnson Campus

Repeatable for Credit: Yes

ART 3240 - Art Methods: PreK Through 12

Credit(s): 3

This course focuses on four issues: 1) how teachers determine what to teach, 2) how they structure content to meet their objectives, 3) how they decide when to teach material, and 4) how they evaluate what they have taught. Students should, by the end of the course, be able to describe their rationale for "teaching" art in any classroom.

Restrictions: Junior Standing

Offering Location: Johnson Campus

ART 3260 - Commercial Photography

Credit(s): 3

This course introduces students to studio photography for the commercial marketplace. The course involves a variety of commercial projects, including product photography and portraiture. Topics will include composition, exposure, and studio-lighting techniques.

Prerequisites: ART 1410 or ART 2301, and DES 1020 and DES 1025.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

ART 3270 - Advanced Photography

Credit(s): 3

This course is designed for the intermediate and advanced student working in film-based black and white photography. Technical control and artistic expression are emphasized as students develop their visual perception and an awareness of photographic possibilities. Students will generate a personal portfolio of prints, and the students will sequence a book of student photographs, which is printed, bound and put up for sale.

Prerequisites: ART 2301

Offering Location: Lyndon Campus

Repeatable for Credit: One time.

Notes: *A 35 mm camera with adjustable aperture and shutter speed is required. There is a course fee.*

ART 3314 - Advanced Printmaking

Credit(s): 3

Intaglio printmaking is emphasized beginning with the collagraph and advancing through the intaglio processes. The focus is to gain control of these techniques so that the student feels free to experiment. The ability to make art and develop an individual imagery as printing skills develop is stressed. While the student is expected to be able to edition prints, experimentation and pushing the medium and imagery are emphasized over traditional multiples editioning.

Prerequisites: ART 2410 or permission of instructor

Offering Location: Johnson Campus

Repeatable for Credit: Yes

ART 3320 - Monoprints

Credit(s): 3

Explore this hybrid printmaking technique that combines painting, drawing and printing to create unique printed images. This technique encourages spontaneity and freedom in many directions. Some possibilities include chine colle, collage, drypoint and collagraph. We begin with basic monotype techniques and increase complexity including multiple plates.

Prerequisites: ART 1011 or permission of instructor

Offering Location: Johnson Campus

Repeatable for Credit: Yes

ART 3415 - Animation Illustration Workshop I

Credit(s): 3

This course introduces the production team process by engaging and applying students' individual strengths and interests in development roles on larger team projects directed by students in ART 4415. The roles will be project specific and may include cleanup, inbetweening, basic tasks and functions, and the execution of projects for festivals and screenings.

Prerequisites: ART 2530, ART 3085, or permission.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

ART 3515 - Animation Illustration Workshop II

Credit(s): 3

This course complements skills and processes introduced in ART 3415 through projects directed by students in ART 4515.

Prerequisites: ART 3415

Offering Location: Lyndon Campus

Notes: *There is a course fee, but students may be required to incur additional expenses toward the completion of their projects.*

ART 3710 - Special Topics in Art

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 3000-level not offered in the general Art curriculum.

Offering Location: Lyndon Campus

Repeatable for Credit: With a change of topic.

ART 4007 - Graphic Novels

Credit(s): 3

One could argue that cave paintings were the first comics, but this course focuses on more recent graphic novels, including award winning works by Art Spiegelman, Alison Bechdel, Marjane Satrapi, Chris Ware, Daniel Clowes, Joe Sacco and many more. In addition to reading masterworks, we'll study the history of comics, and the many uses of comics from advertising to animation. Students will also design and produce their own limited edition graphic chapbooks. Drawing is only one way to approach this, but not the only way -- painters, photographers, writers and mixed-media artists are all welcome.

Prerequisites: ART 1011, ART 2110, and ENG 1072

Offering Location: Johnson Campus

ART 4020 - Advanced Digital Media

Credit(s): 3

This course offers a survey of contemporary digital image processes and tools, including digital photography, illustration, design, 3-D graphics and video/multimedia. Intended for students who have background in photography and related issues of media arts, the course focuses on the relationship of digital media to established art forms and study possibilities for their integration. The course also covers contemporary work in technology-influenced art practice and theory.

Prerequisites: ART 2110

Offering Location: Johnson Campus

Repeatable for Credit: Yes

ART 4025 - Advanced Digital Media: Documentary & Social Media

Credit(s): 3

This course covers theoretical and artistic principles in portraying "reality" and "truth" through social-networking, Web 2.0, digital photography and video. Students will work on a number of projects investigating digital identities, contemporary methods for documenting location and socially conscious audiovisual podcasting. Throughout the course students will be exposed to work created by innovators of documentary. The course will also teach students to creatively utilize tools such as Facebook, Flickr geo-tagging), Youtube and online media networks such as Current TV. The final project will include producing and promoting a short video podcast for public broadcast.

Prerequisites: ART 2110

Offering Location: Johnson Campus

ART 4040 - Advanced Photography

Credit(s): 3

This course further explores technical, historical and creative issues. Students will generate a strong portfolio through intensive studio work. Other course components may include research projects, field trips to local exhibitions, non-traditional processes, readings in history and criticism, and a public exhibition of completed projects.

Prerequisites: ART 2301 or permission of instructor

Offering Location: Johnson Campus

Repeatable for Credit: Yes

ART 4050 - Advanced Painting

Credit(s): 3

This course emphasizes a student's individual vision. Each semester explores different techniques. Several topics are addressed including large-scale works, mixed media, handmade paints and an examination of painting masters, both historic and contemporary.

Prerequisites: ART 2211 or permission of instructor

Offering Location: Johnson Campus

Repeatable for Credit: Yes

ART 4060 - Advanced Digital: Graphic Design

Credit(s): 3

This course will explore page layout, graphic design and digital imaging for print. It is designed for both the intermediate and advanced student who wishes to learn how to make effective print presentations, brochures and books. The course will focus on contemporary creative and practical concepts of using computers in the visual arts and graphic design, focusing on the basic concepts and terminology associated with typography and page layout.

Prerequisites: ART 2110

Offering Location: Johnson Campus

ART 4070 - Advanced Digital: Web Design for Artists

Credit(s): 3

Students learn to use web design creatively for their portfolios and as an interactive art form to present original online work. Students learn how to plan, organize and produce a 30- to 40-page standards-compliant website from start to finish with Macromedia Dreamweaver using tableless transitional XHTML with Cascading Style Sheets. Class time provides an overview of aesthetics and concepts of web design, including usability, accessibility, information design and graphic design.

Prerequisites: ART 2110 or CIS 2220

Offering Location: Johnson Campus

ART 4075 - Advanced Digital: Animation & Motion Graphics

Credit(s): 3

This course offers artistic and theoretical principles in animation. Students learn basic motion-graphic techniques, including Straight Ahead Animation, Squash and Stretch, Anticipation, and Rotoscoping. The course covers both traditional styles of animation (frame by frame, motion and shape tweens), basic 2D character rigging, and experimental techniques. Students are exposed to work created by innovators of animation to gain insight into theory and techniques. The class provides an environment where students share their work and ideas and critique each other's progress.

Prerequisites: ART 2110

Offering Location: Johnson Campus

ART 4080 - Advanced Digital Media: Intermedia

Credit(s): 3

This course is an experimental class in which we create new genres of art. Students are encouraged to develop selective awareness, imagination and an interdisciplinary approach to creative practice. Students are exposed to deep listening techniques, expanded cinema, movement research and emergent media. The class provides an environment where students are appreciated for attempting the unknown while embracing failure.

Prerequisites: ART 2110

Offering Location: Johnson Campus

ART 4110 - Visual Art & Performance

Credit(s): 3

This course is an exploration into the world of performance art. Students will generate, perform and create props and visuals for their performances. Two to four visiting artists will conduct workshops throughout the semester. A trip to Boston or New York will be arranged to see professional work.

Prerequisites: ART 2251

Offering Location: Johnson Campus

ART 4120 - B.F.A. Project & Exhibit

Credit(s): 3

Students work closely with a mentor chosen from the studio art faculty to prepare and mount their senior thesis exhibition. Students may work in a single medium or combination of media to produce their culminating exhibition in the Julian Scott Memorial Gallery.

Offering Location: Johnson Campus

ART 4130 - Advanced Sculpture

Credit(s): 3

Students investigate at least three media, which may include plaster, wood, metal, stone and others. Emphasis of study shifts from semester to semester, and concept and material are of equal importance. Students are encouraged to work creatively within the context of the learned technique. Assignments may encompass public art, installations, performance art and others.

Prerequisites: ART 2251 or permission of instructor

Offering Location: Johnson Campus

Repeatable for Credit: Yes

ART 4140 - Advanced Photojournalism

Credit(s): 3

Students engage in a number of projects outside of the classroom as a photographer. Students complete fieldwork involving on-location photography, interviewing, writing and final presentations in both an exhibition and simulated book in order to synthesize their work into a publishable form.

Prerequisites: ART 2110; and also ENG 1260 for photojournalism majors, permission of instructor for others

Offering Location: Johnson Campus

ART 4150 - Advanced Digital: Video

Credit(s): 3

This course covers theoretical and artistic principles of video art. Students will learn basic video recording, editing, effects and audiovisual production techniques. They are exposed to work created by innovators of video art to gain insight into applying theory and technique. The class provides an environment where students can share their work, and ideas and critique each other's progress.

Prerequisites: ART 2110

Offering Location: Johnson Campus

ART 4175 - Advanced 3D Animation

Credit(s): 3

This course focuses on advanced skills in which the animator develops depth of knowledge and productivity in 3D animation. The continued use of the twelve principles of animation will be applied to the digital format for the purpose of designing and developing advanced 3D animated films.

Prerequisites: ART 3085

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

ART 4415 - Animation Illustration Workshop III

Credit(s): 3

This course places students in leadership roles in the production of advanced animation and illustration projects in conjunction with students in ART 3415, who will serve in support roles during the production process.

Prerequisites: ART 3515

Offering Location: Lyndon Campus

Notes: *There is a course fee, but students may be required to incur additional expenses toward the completion of their projects.*

ART 4515 - Animation Illustration Workshop IV

Credit(s): 3

This course complements work in ART 4415 in collaboration with students in ART 3515. Acting as project leaders, students will complete a culminating body of work worthy of portfolio inclusion or festival submission.

Prerequisites: ART 4415

Offering Location: Lyndon Campus

Notes: *There is a course fee, but students may be required to incur additional expenses toward the completion of their projects.*

ART 4611 - Senior Thesis

Credit(s): 3

Students in this course will develop, plan, and execute a personal capstone project related to the visual arts. Examples of possible projects include, but are not limited to, the development of an industry-specific portfolio, self-promotion or marketing of a business, or preparation for a graduate program.

Restrictions: Senior standing and permission.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

ART 4710 - Special Topics in Art

Credit(s): 3 (Johnson), Variable (Lyndon)

This course provides students the opportunity to pursue topics appropriate to the 4000-level not offered in the general Art curriculum.

Offering Location: Johnson Campus, Lyndon Campus

Repeatable for Credit: With a change of topic.

ART 4730 - B.F.A. Seminar

Credit(s): 3

This professionally oriented "capstone" course looks into all aspects of a career in the visual arts. By the end of the semester, students will have produced a professional portfolio documenting their own work, complete with resume, artist's statement and slides. Students also explore career options, exhibit venues, grant writing, websites, graduate schools, legal considerations for the artist and how to set up a safe, affordable studio.

Offering Location: Johnson Campus

ART 4810 - Internship in Art

Credit(s): 1-12

Students plan and complete an internship in an art field in consultation with their advisor.

Offering Location: Johnson Campus

ART 4820 - Animation Illustration Internship

Credit(s): 1-15

This internship offers students the opportunity to gain "on the job" experience in the animation and/or illustration field. Job-site supervisors serve as mentors to students, offering their individual expertise and guidance. Students must apply for an internship in advance and meet with their academic advisor to discuss procedural details. A contract must be established between the student, job-site supervisor, and faculty supervisor, subject to the departmental approval.

Restrictions: Junior standing and permission (requires portfolio application).

Offering Location: Lyndon Campus

Repeatable for Credit: Yes (but only 3 credits may be counted toward Visual Arts program requirements).

ART 4910 - Independent Study (L)

Credit(s): 1-3

This course gives the advanced student an opportunity to work on a special area of interest that is not possible through the standard curriculum. The independent study contract must be approved, signed, and submitted before the current semester's registration period closes.

Restrictions: By Permission.

Offering Location: Lyndon Campus

Repeatable for Credit: With a change of topic.

ART 4910 - Independent Study in Art (J)

Credit(s): 1-12

Students develop and complete an independent study in an art field in consultation with their advisor.

Offering Location: Johnson Campus

Art History

Art History

ARH 1030 - FYS: Art & Ethics

Credit(s): 3

This course is designed to explore ethics of the art world from many angles. We will study graffiti and street art and how graffiti artists have migrated from illicit street art into the galleries and museums. We will discuss art and activism in terms of environmental art and architecture as well as art as political protest. We will explore environmental art and architecture as well

as art as political protest. We will explore articles and case law that deal with the issues of illegal export, import, censorship, copyright and display. We will see how war has dislocated and destroyed artworks.

Restrictions: First-year student

Offering Location: Johnson Campus

ARH 1710 - Special Topics in Art History

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 1000-level not offered in the general Art History curriculum.

Offering Location: Lyndon Campus

Repeatable for Credit: With a change of topic.

ARH 2010 - Survey of Western Traditions in Art

Credit(s): 3

This course examines the history of Western art as expressed in different medias such as painting, sculpture and architecture from the prehistoric to the modern era.

Offering Location: Johnson Campus

ARH 2011 - Survey of Western Art I

Credit(s): 3

This course provides a survey of the history of Western art from prehistoric times to the early Renaissance, with emphasis on developing visual awareness and the ability to analyze works of art. This instruction examines selected works in terms of their historical and cultural elements and the phenomenon of stylistic change over the centuries.

Prerequisites: ENG 1082

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

ARH 2012 - Survey of Western Art II

Credit(s): 3

This course surveys the history of Western art from the Renaissance to the present. The instruction provides emphasis on developing the student's visual awareness and ability to analyze works of art. The instruction consists of lectures that examine selected works in terms of their historical and cultural elements and the phenomenon of stylistic change over the centuries.

Prerequisites: ENG 1082

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

ARH 2060 - Survey of Non-Western Traditions in Art

Credit(s): 3

This course examines the history of non-Western art as expressed in different mediums such as painting, sculpture and architecture from the prehistoric to the modern era.

Offering Location: Johnson Campus

ARH 2070 - History of Photography

Credit(s): 3

This course will explore the history of photography from its inception through modern times. Students will gain an understanding of the cultural impact of photography.

Prerequisites: ENG 1082

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

ARH 2710 - Special Topics in Art History

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 2000-level not offered in the general Art History curriculum.

Offering Location: Lyndon Campus

Repeatable for Credit: With a change of topic.

ARH 2910 - Independent Study in Art History

Credit(s): 1-12

Students plan and complete an independent study in art history in consultation with their advisor.

Offering Location: Johnson Campus

ARH 3015 - Greek & Roman Art

Credit(s): 3

This course studies the art and architecture of ancient Greece and Rome, from the Aegean through the Late Empire periods.

Prerequisites: ARH 2010; ARH 2060

Offering Location: Johnson Campus

ARH 3020 - Art of the Renaissance

Credit(s): 3

This course stresses Italian painting and sculpture, beginning with the 14th-century Tuscan masters and ending with Michelangelo and the early Mannerists. Northern art is considered in terms of its influence on developments in the south.

Prerequisites: ARH 2010; ARH 2060

Offering Location: Johnson Campus

ARH 3060 - Twentieth Century Art

Credit(s): 3

This course studies the history of 20th century art covering Impressionism, Fauvism, German Expressionism, Cubism, Futurism, Dada, Suprematicism, Constructivism, De Stijl, Surrealism, Abstract Expressionism, Pop Art, Happenings, Minimal Art, New Genre Art and Post-Modern Art.

Prerequisites: ARH 2010; ARH 2060

Offering Location: Johnson Campus

ARH 3075 - History of Media Art

Credit(s): 3

This course will trace the ancestry of the computer as used by the artist and designer. This course will examine the pre-digital origins of digital artistic applications. The course is structured by application and will start with the pre-digital origins and then study early, modern, and contemporary artists for each area. Topics included are: history of graphic design, film and animation, artistic and architectural rendering, image manipulation, Photoshop, installation, and interactive art.

Prerequisites: ARH 2010, ARH 2060

Offering Location: Johnson Campus

ARH 3080 - History of Animation and Illustration

Credit(s): 3

This course introduces the student to the history, evolution, and popular trends of animation and American illustration from the industrial revolution to the present day. Students will also explore the relationship and influence of fine art and graphic design on the two narrative art forms and how animation and illustration have influenced fine art and graphic design.

Prerequisites: ENG 1082

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

ARH 3090 - Historical Themes in the Visual Arts

Credit(s): 3

This course provides in-depth study of specific topics, themes, artists, mediums, and/or periods etc. within the History of the Visual Arts. Topics will rotate based on faculty expertise. This course may be repeated once for credit with a change of topic.

Prerequisites: ENG 1082 and permission.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

ARH 3110 - The Spiritual in Non-Western Art

Credit(s): 3

This course examines the rich cultural history of African, Native American, Oceanic and pre-Roman Celtic art. The course will underscore how traditional societies fully integrated art into everyday life and how they imbued it with powerful magical and mystical meanings. How western artists, collectors and museum officials have used and misused art from "Third World" countries will be carefully illustrated and considered throughout the semester.

Offering Location: Johnson Campus

ARH 3120 - Art Criticism

Credit(s): 3

This course will expose students to the major critical stances that have shaped art historical thought in the West. Students analyze the critical stance of Kant, Winckelmann, Marx, Freud and others, which will help them become more critical readers and writers. Students are expected to write weekly assignments and critique each other's work.

Prerequisites: ARH 2060

Offering Location: Johnson Campus

ARH 3130 - The History of Photography

Credit(s): 3

This course surveys the history and aesthetics of 19th and 20th century photography. Photographs by masters form the basis for a critical assessment of the medium.

Prerequisites: ARH 2010; ARH 2060

Offering Location: Johnson Campus

ARH 3140 - African Art

Credit(s): 3

The art from the continent of Africa is one of the most varied in terms of culture, aesthetics and techniques in the world. The course begins in the northern cultures of the Mediterranean and makes its way down across the Sahara to the West, Central, East, South, and then looks at art of the African Diaspora. In each region, we will examine art from ancient to contemporary and discuss the changing cultural, political and social climates. Students will look at sculptures, performance, architecture, adornment and jewelry.

Prerequisites: ARH 2010; ARH 2060

Offering Location: Johnson Campus

ARH 3150 - Art of the Human Body

Credit(s): 3

This course examines all art that scrutinizes the human body in some way. The course covers art from all cultures and all time periods, from ancient Greek sculpture, Mesoamerican frescoes and Maori tattooing to modern-day body artists who practice tattooing, scarification and other body arts.

Prerequisites: ARH 2010; ARH 2060

Offering Location: Johnson Campus

ARH 3210 - Women in Art

Credit(s): 3

A survey of representative women artists from the Renaissance to the present, this course introduces students to the unique role of women in the visual arts, their contributions and struggle for recognition.

Offering Location: Johnson Campus

ARH 3710 - Special Topics in Art History

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 3000-level not offered in the general Art History curriculum.

Offering Location: Lyndon Campus

Repeatable for Credit: With a change of topic.

ARH 4710 - Special Topics in Art History

Credit(s): 3 (Johnson), Variable (Lyndon)

This course provides students the opportunity to pursue topics appropriate to the 4000-level not offered in the general Art History curriculum.

Offering Location: Johnson Campus, Lyndon Campus

Repeatable for Credit: With a change of topic.

ARH 4720 - Seminar in Contemporary Art Issues

Credit(s): 3

The issues treated vary from semester to semester. The class takes an active role in deciding the relevant issues. Past topics have included public funding for "controversial" art, women's issues in art, art vs. craft and "Is it art?" Students develop critical skills and see their own work in the light of the contemporary scene. At least one field trip to a metropolitan center is scheduled to view contemporary art.

Offering Location: Johnson Campus

Repeatable for Credit: Yes

ARH 4910 - Independent Study in Art History

Credit(s): 1-12

Students plan and complete an independent study in art history in consultation with their advisor.

Offering Location: Johnson Campus

Atmospheric Sciences

Atmospheric Sciences

ATM 1010 - Elementary Meteorology

Credit(s): 4

This course presents an introduction to meteorology, primarily for the non-science major. Topics may include weather observation, clouds and precipitation, radiation and weather phenomena, the laws of motion of the atmosphere, the general circulation, air masses and fronts, cyclones and anticyclones, the weather map, and an introduction to weather forecasting.

Prerequisites: Basic Math competency.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

ATM 1020 - Introduction to Climate Change

Credit(s): 4

This course presents an introduction to climate change science, primarily for the non-science major. This course focuses on the causes of global climate change, with a particular focus on human influences, perspectives in the media, climate change projections, likely impacts, and potential solutions.

(with lab)

Prerequisites: Basic Math competency.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

ATM 1030 - Elementary Oceanography

Credit(s): 4

This course presents an introduction to oceanography, primarily for non-science majors. Topics may include life in the ocean, the composition of sea water, waves, tides, currents, ocean basin formation, and environmental issues related to the oceans.

Prerequisites: Basic Math competency.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

ATM 1040 - Field Experience

Credit(s): 0.5 to 3

This experiential course includes a supervised on-site educational activity at an operational meteorological facility or an on-site instrument usage, data gathering, and data analysis experience as a major component.

Restrictions: By Permission.

Offering Location: Lyndon Campus

Repeatable for Credit: When no duplication of experience results.

Notes: *There is a course fee.*

ATM 1050 - Problem Solving in Atmospheric Sciences

Credit(s): 3

This course introduces fundamental atmospheric physical processes such as radiation, thermodynamics, and the forces creating wind. An emphasis is placed on problem solving and graphing scientific data.

Prerequisites: MAT 1020 or a higher level mathematics course required for the major.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

ATM 1060 - New Student Seminar in Atmospheric Sciences

Credit(s): 3

This course introduces Atmospheric Sciences majors to the intellectual and social environment of college. Students will discuss skills that will help them to be successful within the Atmospheric Sciences program and more broadly at Lyndon. These skills include managing time and money, effective studying, test taking, problem solving, and critical thinking. This course discusses

career paths in Atmospheric Sciences and the skills required to be successful in the workforce. The importance of general education is also covered.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

ATM 1211 - Survey of Meteorology I

Credit(s): 2

This course introduces the study of the atmosphere and is designed for atmospheric science and other science-oriented students. Topics may include atmospheric structure, weather instrumentation, temperature, seasons, humidity, clouds, precipitation, atmospheric stability, optical phenomena, and thunderstorms and tornadoes.

Prerequisites: High school physics or PHY 2031.

Corequisites: MAT 1410 or a higher level math course required for the major.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

ATM 1212 - Survey of Meteorology II

Credit(s): 3

This course builds on the principles learned in ATM 1211 and is designed for atmospheric science and other science-oriented students. Topics may include the exploration and study of weather features such as fronts, cyclones, thunderstorms, tornadoes, and hurricanes. The instruction covers basic weather data acquisition, decoding and interpretation of surface weather observations, analysis of surface weather maps, and upper-level analysis in the context of midlatitude cyclone lifecycles.

(with lab)

Prerequisites: MAT 1410 and ATM 1211.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

ATM 1710 - Special Topics in Atmospheric Sciences

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 1000-level not offered in the general Atmospheric Sciences curriculum.

Offering Location: Lyndon Campus

Repeatable for Credit: With a change of topic.

ATM 2061 - Survey of Climate and Statistics I

Credit(s): 2

This course is designed for Atmospheric Science majors and introduces the study of climatology using statistical concepts. Topics may include atmospheric composition, controls of climate, atmospheric interaction with other climate components, energy balances, the hydrologic cycle, general circulation, and climate classifications. Statistical concepts include probability, numerical and graphical summaries, and re-expression.

Prerequisites: ATM 1212

Corequisites: MAT 1410 or a higher math course required for the major, or permission.

Offering Location: Lyndon Campus

Notes: *There is a course fee. This course is cross-listed with CLM-3061.*

ATM 2062 - Survey of Climate and Statistics II

Credit(s): 3

This course is designed for Atmospheric Science majors and expands on the study of climatology and may include topics such as regional climates, natural and anthropogenic climate change and variability, coupling between the atmosphere and ocean, statistical forecasting, and climate modeling. Instruction applies additional statistical concepts, such as paired data exploration and significance testing, to various types of climate data to study spatial and temporal climate variability, teleconnections, and trends.

(with lab)

Prerequisites: ATM 2061

Offering Location: Lyndon Campus

Notes: *There is a course fee. This course is cross-listed with CLM-3062.*

ATM 2210 - Geophysical and Human Interactions

Credit(s): 3

This course examines the interactions among humans, the earth, and the atmosphere. Topics may include the human impact on weather, climate, tropospheric pollution, ozone, precipitation acidification, desertification, and biogeochemical cycles. Societal, health, and economic impacts of these phenomena on the human condition are explored. Policy, mitigation, and adaptation strategies to our changing climate are discussed.

Prerequisites: MAT 1020

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

ATM 2710 - Special Topics in Atmospheric Sciences

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 2000-level not offered in the general Atmospheric Sciences curriculum.

Offering Location: Lyndon Campus

Repeatable for Credit: With a change of topic.

ATM 3030 - Atmospheric Thermodynamics

Credit(s): 3

This course provides an application of physics and calculus to the study of atmospheric thermodynamics and provides a foundation for more advanced topics such as dynamics, cloud physics, and weather forecasting. Topics may include ideal gas properties, work and energy, hydrostatics, thermodynamics of dry, moist, and saturated air, and thermodynamic diagrams.

Prerequisites: MAT 2532, ATM 1212, and PHY 2062.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

ATM 3050 - GIS Applications in Atmospheric Sciences

Credit(s): 3

This course introduces GIS for data analysis in atmospheric science. Topics may include types of GIS data, projections, geo-referencing and reclassifying imagery, creating personal geo-databases, spatial analysis, spatial data acquisition, interpolation techniques, animation, and shape file creation. This course also covers conversion and integration of geospatial data into commonly used application programming interfaces.

Restrictions: Junior standing or permission.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

ATM 3110 - Remote Sensing

Credit(s): 3

The course lecture sessions provide an overview of the operation and performance of various meteorological sensors and platforms, including Doppler radar, wind profilers, balloons and sondes, satellites, aircraft, and ASOS. The laboratory includes the study and use of data and products from meteorological remote sensing systems, including launching a radio-temponde and analyzing its data.

Prerequisites: ATM 3140, ATM 3321, and ATM 3331.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

ATM 3140 - Physical Meteorology

Credit(s): 3

This course examines topics such as radiation processes in the earth's atmosphere, cloud physics, atmospheric optics, atmospheric electricity, and aeronomy.

Corequisites: ATM 2020

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

ATM 3170 - Weather Risk Assessment

Credit(s): 3

This course investigates weather and climate risks posed to society and industry. Industries sensitive to weather risk are highlighted. The assessment of risk exposure on weekly to seasonal time scales is accomplished using statistical analysis. The process of monetizing weather and climate effects is described. Effective risk management and decision-making are also discussed.

Prerequisites: ATM 2060

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

ATM 3270 - Television Weather Graphics

Credit(s): 1

This course introduces students to graphical software used in broadcast meteorology. Students will learn how to construct technically correct and visually appealing weather graphics using WSI software.

Prerequisites: ATM 2062

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

ATM 3310 - Forecasting Applications

Credit(s): 3

This course focuses on the application of weather information to weather-sensitive industries. The course develops weather forecasting and technical skills through a variety of simulated forecast challenges for various clients. This course illustrates how meteorologists add value to weather-sensitive industries. Effective interpersonal communication skills and client relations are discussed.

Prerequisites: ATM 2060

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

ATM 3321 - Atmospheric Dynamics I

Credit(s): 3

This course uses physics and calculus to examine relationships between forces and motion on a rotating earth. Kinematic principles, such as vorticity and divergence, are introduced, and conservation laws are explored with respect to momentum, mass and energy, and various wind balances.

Prerequisites: ATM 2020 , ATM 3331, MAT 2543 , and PHY 2062.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

ATM 3322 - Atmospheric Dynamics II

Credit(s): 3

This course expands upon the concepts introduced in ATM 3321 to understand Rossby waves, synoptic-scale instability theory, fronts, and jets. Quasi-geostrophic and potential vorticity frameworks are used to understand the development/decay and movement of midlatitude extratropical cyclones.

Prerequisites: ATM 3321 and ATM 3332.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

ATM 3331 - Analysis and Forecasting I

Credit(s): 3

This course introduces analysis techniques to diagnose past and present weather conditions, and methods to ultimately predict the future state of the atmosphere. Topics may include synoptic mid-latitude weather systems and their mesoscale structures, the effective use of modern numerical weather prediction, and analysis of data from various sources for timely and accurate weather forecast decision making.

Prerequisites: ATM 2020

Corequisites: ATM 3321

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

ATM 3332 - Analysis and Forecasting II

Credit(s): 3

This course expands upon the concepts introduced in ATM 3331 to accurately diagnose the atmosphere and incorporate forecasting techniques and strategies so that one can construct a forecast based on sound scientific principles and reasoning. Topics may include Quasi-Geostrophic diagnosis and prediction of high-impact weather associated with synoptic scale midlatitude cyclones, and practices and limitations of modern numerical weather prediction.

Prerequisites: ATM 3331

Corequisites: ATM 3321

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

ATM 3710 - Special Topics in Atmospheric Sciences

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 3000-level not offered in the general Atmospheric Sciences curriculum.

Offering Location: Lyndon Campus

Repeatable for Credit: With a change of topic.

ATM 4010 - Television Weathercasting

Credit(s): 1

This course allows students to prepare unique weather forecasts which are communicated to nearly 10,000 local households via live on-camera presentations using the News7 studios. Instruction includes one-on-one critiquing/coaching to develop and improve weather storytelling on live TV.

Prerequisites: ATM 3332 and ATM 3270.

Corequisites: EJA 3222 and permission.

Offering Location: Lyndon Campus

Repeatable for Credit: One time.

Notes: *There is a course fee.*

ATM 4030 - Physical Climatology

Credit(s): 3

This course examines the climate system based on fundamental physical principles and statistical theory. Topics may include the dynamical influences of climatic indicators, such as sea-surface temperature, on planetary circulation regimes, commonly identified intraseasonal-to-multidecadal climate variations, teleconnections, and their relationships to high impact weather/climate events and medium-range forecasting.

Prerequisites: ATM 2061

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

ATM 4040 - Physical Hydrology

Credit(s): 3

This course introduces hydrology with application to the atmosphere and upper one meter of the terrestrial surface. The instruction covers such topics as hydrologic cycle, precipitation, evapotranspiration, soil moisture transfer, surface runoff, flood prediction and mitigation, flash flooding, terrain influence on water flow, drainage basins, and natural and anthropogenic changes to hydrologic cycle. The instruction includes the study of computer models of soil moisture and canopy energy transfer to demonstrate air-soil moisture interactions.

Prerequisites: ATM 2020

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

ATM 4110 - Numerical Weather Prediction

Credit(s): 3

This course focuses on numerical weather prediction, including both regional climate models and general circulation models. The instruction covers such topics as the governing equations, numerical methods, model configurations, history of numerical modeling, climate change scenarios, ensembles, and atmospheric predictability.

Prerequisites: ATM 2020 and ATM 3331.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

ATM 4120 - Mesoscale Meteorology

Credit(s): 3

This course focuses on the structure, evolution, and dynamics of atmospheric phenomena having spatial scales between 2 and 2,000 km., which are studied through the examination of data from a variety of observing platforms, mesoscale models, case studies, and multi-media instructional modules. Topics may include sea/land/lake breezes, the dryline, coastal fronts, gust fronts, air-mass thunderstorms, multicell thunderstorms, supercells, mesoscale convection systems, bow echoes, derechoes, tornadoes, and gravity waves.

Prerequisites: ATM 3321 and ATM 3331.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

ATM 4140 - Climate Change Dynamics

Credit(s): 3

This course discusses natural and anthropogenic impacts on the global energy budget, global carbon cycling, and radiative forcings. Topics may include general circulation dynamics and modeling, theories of climate change controls, and observational evidence for climate change.

Prerequisites: ATM 2061

Corequisites: ATM 3321 or permission.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

ATM 4410 - Workshop on Weathercasting Techniques

Credit(s): 1

This course offers TV weathercasting training facilitated by professional TV meteorologists. During the fall semester, instruction includes an overview of the current state of the TV weather, business, and one-on-one guidance on the effectiveness of students' on-camera performance and weather storytelling skills. During the spring semester, instruction includes feedback on News7 shows and assessment of improvement from the fall semester.

Prerequisites: ATM 3332 and permission.

Offering Location: Lyndon Campus

Repeatable for Credit: One time.

Notes: *There is a course fee.*

ATM 4610 - Mathematical Studies in Atmospheric Sciences I

Credit(s): 1

This course allows students to use their knowledge of mathematics to investigate a meteorologically-related topic at a level beyond those which are presented in courses in the Atmospheric Sciences (B.S.) program.

Prerequisites: ATM 3321

Offering Location: Lyndon Campus

ATM 4620 - Mathematical Studies in Atmospheric Sciences II

Credit(s): 1

Students complete the research program started in ATM 4610, then write and present their work.

Prerequisites: ATM 4610

Offering Location: Lyndon Campus

ATM 4710 - Topics in Atmospheric Sciences

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 4000-level not offered in the general Atmospheric Sciences curriculum.

Offering Location: Lyndon Campus

Repeatable for Credit: With a change of topic.

ATM 4712 - Thesis in Atmospheric Sciences I

Credit(s): 2

This course discusses meteorological research methodology and then requires students to research and write a major paper on a topic in the atmospheric sciences.

Prerequisites: ATM 3321, ATM 3332, and ATM 3140.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

ATM 4713 - Thesis in Atmospheric Sciences II

Credit(s): 2

This course provides an opportunity for students to revise and expand the content and style of the report written in ATM 4712 and includes a unique research component.

Prerequisites: ATM 3322, ATM 4120, and ATM 4712.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

ATM 4820 - Co-op in Atmospheric Sciences

Credit(s): 1 to 15

This cooperative education course provides college credit for field placement with a commercial, governmental, or non-profit organization and is designed to provide the student with experience in practical application of theories and principles learned in the classroom. The work experience must be approved in advance by the department, the employer, and the college.

Restrictions: By Permission.

Offering Location: Lyndon Campus

ATM 4900 - Independent Study, Directed Study, and Special Projects in Atmospheric Sciences

Credit(s): 1 to 3

This course allows students to select a topic or project in atmospheric sciences for detailed independent or directed study under the supervision of a department faculty member.

Restrictions: By Permission.

Offering Location: Lyndon Campus

Biology

Biology

BIO 1030 - Introduction to Nutrition

Credit(s): 3

This course introduces students to the physiological basis of nutrition and evaluates dietary requirements. Emphasis is placed on metabolism, digestion, and nutrients used in the human body and the nutrition involved in health, disease, and aging.

Prerequisites: Basic Math Competency.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

BIO 1050 - FYS: Pretty or Nasty: The World of Cosmetics

Credit(s): 3

The popularity of cosmetics has increased significantly during the 20th century in western societies, particularly in the U.S. This course looks at cosmetic use from its beginning more than 6,000 years ago to the present time, when it comprises a worldwide, \$18 billion industry. The class will first participate in a professional make-up session, then move on to investigate the role of cosmetics in self-image as a more comprehensive understanding of the influence of the social environment, including the media. An introduction to cosmetic chemistry will allow students to evaluate safety and ethical issues. The course concludes with a personal reflection and analysis of cosmetic usage.

Restrictions: First-year students only

Offering Location: Johnson Campus

BIO 1110 - Bird Identification

Credit(s): 2

This course is designed for students interested in being able to identify the local birds in field and in laboratory. A final field test and bird list is required.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

BIO 1210 - Introduction to Biology

Credit(s): 4

This course is a broad overview of the study of life including cells, organisms, ecosystems, evolution, biodiversity, and the techniques of the biologist. This course is recommended for non-science majors.

(with lab)

Prerequisites: PLM 0003 or PLM 0004; or MAT 1015

Offering Location: Johnson Campus, Lyndon Campus

Notes: *There is a course fee.*

BIO 1211 - Introduction to Biology: Ecology and Evolution

Credit(s): 4

This course introduces biology through the "process of science" with hands-on field and laboratory experiments. Concepts may include the evolutionary history of biological diversity, ecology, the biosphere, and conservation biology

(with lab)

Offering Location: Johnson Campus, Lyndon Campus

Notes: *There is a course fee.*

BIO 1212 - Introduction to Biology: Cells and Genetic Basis

Credit(s): 4

This course introduces students to biology through the unifying theme of the "process of science" -- what we know, how we know it, and what we don't know yet. Topics may include the chemistry of life, cell structure and function, cell reproduction, classical and molecular basis of inheritance, and DNA technology.

(with lab)

Offering Location: Johnson Campus, Lyndon Campus

Notes: *There is a course fee.*

BIO 1230 - Field Ecology

Credit(s): 3

This course enables students to study the major environments found in the Vermont landscape and to understand the plants and wildlife that make up the fabric of Vermont's ecology. Following lectures, slides and hands-on work with mammals, birds and vegetation, classes are held in various field locations throughout central Vermont.

Offering Location: Johnson Campus

BIO 1710 - Special Topics in Biology

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 1000-level not offered in the general Biology curriculum.

Offering Location: Lyndon Campus

Repeatable for Credit: With a change of topic.

BIO 1781 - Ecology of Subtropical Ecosystems

Credit(s): 3

This course introduces ecological structure and function of the major aquatic and terrestrial ecosystems of subtropical Florida. The class begins with an intensive weekend of lectures on the ecological principles that pertain to the ecosystems of south Florida. Another weekend day is spent evaluating written work, culminating with an environmental debate. Based on their preferences, students are assigned ecosystems for which they will be responsible for leading the class on interpretive tours of the biological, chemical and physical factors that influence their ecosystems. The class will travel to the Florida Everglades and Keys to explore the variety of subtropical forests, glades, marshes, swamps and marine communities.

Prerequisites: Acceptance into Upward Bound

Offering Location: Johnson Campus

BIO 2011 - Human Anatomy & Physiology I

Credit(s): 4

This course is an introduction to the structure and function of the human body. Topics include general body organization, cells, biochemistry, tissues, and the anatomy and physiology of the skeletal, muscular, and nervous systems. The laboratory involves microscopy, dissections, and the study of human organ models. First semester of a two-semester sequence.

(with lab)

Offering Location: Johnson Campus, Lyndon Campus

Notes: *There is a course fee.*

BIO 2012 - Human Anatomy and Physiology II

Credit(s): 4

This course is a continuation of BIO 2011. Topics may include the structure and function of the cardiovascular, endocrine, immune, respiratory, digestive, excretory, and reproductive systems. The laboratory involves a variety of practical experiences related to the assessment and interpretation of organ system function. Activities may include dissections and the study of human organ models.

(with lab)

Prerequisites: BIO 2011

Offering Location: Johnson Campus, Lyndon Campus

Notes: *There is a course fee.*

BIO 2020 - Laboratory Techniques in Exercise Science

Credit(s): 3

This course addresses contemporary theories and techniques for data acquisition, processing and analysis from instruments typically used in the research and clinical settings of Exercise Science. The course integrates library and information technology towards evaluation and presentation of laboratory findings in light of published scholarship.

Prerequisites: Completion of General Education Core Curriculum Mathematics Requirement.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

BIO 2060 - Nutrition for Health and Fitness

Credit(s): 3

This course considers diet and its relationship to healthy lifestyles. Students analyze their own diets, body types, and activities by computerized nutritional and exercise assessment and a variety of body composition measures. Conclusions on these analyses are drawn from study of the chemistry and metabolism of nutrients, the physiology of body constitution and its changes, examination of dietary facts, fictions, theories, food supplements and labeling, eating behaviors and disorders and their medical implications.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

BIO 2120 - Elements of Microbiology

Credit(s): 4

This course provides a comprehensive study of the basic principles of microbiology. A brief survey of the history of science is given. Emphasis is placed on understanding the variety and differences of microbes and their relationship to humans. Laboratory study accompanies the course and the successful completion of lab exercises is a partial requirement for the course.

(with lab)

Prerequisites: Basic Math Competency.

Recommended: Prior learning in chemistry or biology equivalent.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

BIO 2130 - Natural History of the Yellowstone Plateau

Credit(s): 3

This course involves seven days in the backcountry of Yellowstone National Park, traveling to three remote areas that demonstrate the unique geological and ecological characteristics of the park. Students make their own travel arrangements to and from Salt Lake City, UT, where the instructor will meet them.

Prerequisites: Permission of instructor

Offering Location: Johnson Campus

BIO 2145 - Plant Biology

Credit(s): 4

This is an introduction to the study of plant biology, including the structure and function of cells and tissues, photosynthesis and a survey of the plant kingdom, with special emphasis on the higher plants.

(with lab)

Prerequisites: One introductory biology course

Offering Location: Johnson Campus

BIO 2310 - Invertebrate & Vertebrate Zoology

Credit(s): 4

This course focuses on the study of animal biology, including diversity and classification within the two major groups (vertebrates and invertebrates), comparative anatomy and physiology, genetics and development, evolution, behavior and ecology.

(with lab)

Recommended: BIO 1210

Offering Location: Johnson Campus

BIO 2340 - Fundamentals of Ecology

Credit(s): 4

The relationships between the organism and its natural environment are examined. Students perform outdoor experiments and field studies that complement discussions on population and community ecology.

(with lab)

Prerequisites: BIO 1210 or BIO 1211

Recommended: At least one chemistry course

Offering Location: Johnson Campus

BIO 2370 - Biology Modules

Credit(s): 1 to 4

Biology Modules provides an introductory study of a specific topic in biology not duplicated elsewhere in the curriculum. These topics will often reflect the interests of biology faculty with respect to general principles and methodology of study.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

BIO 2710 - Special Topics in Biology

Credit(s): 1-4

The topics addressed by this course vary by student interest, and are announced at the time of registration.

Offering Location: Johnson Campus, Lyndon Campus

Repeatable for Credit: With a change of topic.

Notes: *There may be a course fee.*

BIO 2810 - Internship in Biology

Credit(s): 1-12

Students plan and complete an internship in biology in consultation with their advisor.

Offering Location: Johnson Campus

BIO 2910 - Independent Study in Biology

Credit(s): 1-12

Students plan and complete an independent study in biology in consultation with their advisor.

Offering Location: Johnson Campus

BIO 3020 - Field Zoology

Credit(s): 4

This course utilizes a variety of field-based data-collection techniques to study local animal diversity including invertebrates, birds, mammals and amphibians. Field techniques include capture, marking, collection and museum preparation, point counts, transect sampling and non-invasive sampling. Students make a collection or complete a research project.

(with lab)

Prerequisites: BIO 1211 or permission.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

BIO 3050 - Natural History of Vertebrates

Credit(s): 4

The course provides a study of the phylogeny, evolution, biogeography, physiology, and general-life histories of the vertebrates, with emphasis on the New England fauna. The laboratory work includes the study of a selection of examples from each vertebrate class with a view to better understanding the phylogeny and morphology of each group and their environmental adaptation. The course requires two classroom hours and one three-hour lab per week.

(with lab)

Prerequisites: BIO 1211, BIO 1212, or permission.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

BIO 3110 - Field Ornithology

Credit(s): 3

This field-based course focuses on the identification, behavior, and life histories of local bird species. Students are expected to provide their own binoculars.

Offering Location: Johnson Campus, Lyndon Campus

Notes: *There is a course fee. Contact the instructor for specifications if purchasing your own binoculars.*

BIO 3120 - Principles of Ornithology

Credit(s): 4

This course focuses on an appreciation for avian diversity through the study of museum specimens and field trips. The instruction provides an advanced study of avian biology, including morphology, physiology, taxonomy, evolution, ecology, and behavior.

(with lab)

Prerequisites: BIO 1211 or BIO 1212.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

BIO 3125 - Biological Chemistry

Credit(s): 4

This course introduces the student to an integration of biology and chemistry through an overview of the biochemical structure

and reactions that occur in living systems. Presentation of the chemical structures of the important classes of biological macromolecules (proteins, carbohydrates, lipids and nucleic acids) is integrated with their roles in cellular metabolism.

(with lab)

Prerequisites: BIO 1212; CHE 1032

Offering Location: Johnson Campus

BIO 3130 - Cellular Biology: A Molecular Approach

Credit(s): 4

This course is an in-depth study of biological processes at the molecular level, with emphasis on the relationship between structure and function of biological macromolecules. Topics include bioenergetics, enzymes, the genetic system, protein synthesis, biological membranes, cellular organization and chemical signaling. In the laboratory, students are introduced to modern experimental techniques to analyze cellular functions.

(with lab)

Prerequisites: BIO 1212; CHE 1032

Offering Location: Johnson Campus

BIO 3140 - Introduction to Microbiology

Credit(s): 4

This course focuses on the study of microorganisms, including growth and morphology of representative organisms, microbial physiology, and selected topics in bacterial pathogenesis, virology, and immunology. The laboratory exercises develop fundamental skills in aseptic technique, microscopy, pure culture study, and the isolation and identifications of selected microorganisms.

(with lab)

Prerequisites: BIO 1212 and CHE 1032, or permission.

Offering Location: Johnson Campus, Lyndon Campus

Notes: *There is a course fee.*

BIO 3160 - Animal Behavior

Credit(s): 4

This course explores how behavior of organisms in natural environments may have been modified as a result of evolutionary adaptations over time. Topics may include sensory perception, neurobiology, innate behavior, learning, communication, and social behavior in invertebrates and vertebrates. Concepts and methods of study will be demonstrated with laboratory and field exercises.

(with lab)

Prerequisites: BIO 1211 and BIO 2340.

Recommended: BIO 2310

Offering Location: Johnson Campus, Lyndon Campus

Notes: *There is a course fee.*

BIO 3170 - Mammalogy

Credit(s): 4

This course provides a detailed treatment of the identification, classification, adaptations, physiology, ecology, distribution and evolution of the world's mammals. In laboratory sessions, students engage in the work of professional mammalogists using museum specimens of mammals from all parts of the world.

(with lab)

Prerequisites: BIO 2310

Offering Location: Johnson Campus

BIO 3180 - Nutrition

Credit(s): 3

This course is a study of the structure, function, digestion and absorption of nutrients in the human body, with an emphasis on chemistry, current research and controversies. The topics of food safety, diet analysis and planning, and the relation between nutrition and disease, are included.

Prerequisites: BIO 1210; CHE 1031

Restrictions: Junior standing

Offering Location: Johnson Campus

BIO 3220 - Genetics

Credit(s): 4

This course covers classical and molecular genetics. Topics span three major areas: the nature of genes, how they work, and regulation of their expression; the organization of genes and how they change; and how genes pass from one generation to the next. The laboratory exposes students to applications in modern molecular genetics.

(with lab)

Prerequisites: BIO 1212 and CHE 1032, or permission.

Offering Location: Johnson Campus, Lyndon Campus

Notes: *There is a course fee.*

BIO 3260 - Limnology

Credit(s): 4

Students gain first-hand experience in the techniques used to sample and analyze aquatic ecosystems. We will discuss the occurrence of aquatic organisms in different systems and the chemical, physical and biological factors which affect their distribution.

(with lab)

Prerequisites: BIO 1211, and CHE 1031 or CHE 1055.

Offering Location: Johnson Campus

BIO 3270 - Forest Ecology

Credit(s): 4

Students learn how ecologists study the structural and functional aspects of forest communities of northeastern North America. Considerable time is spent outside exploring the watersheds of the Babcock Nature Preserve in order to study succession, nutrient and energy flow, and the role of disturbance in the maintenance of forest communities.

(with lab)

Prerequisites: BIO 2145; CHE 1031 or CHE 1055.

Offering Location: NVU Online

BIO 3280 - Environmental Toxicology

Credit(s): 4

This course introduces students to the field of environmental toxicology and environmental remediation. Environmental toxicology is the intersection of a variety of different disciplines including chemistry, ecology, biology, microbiology, physics, statistics, meteorology, and genomics. The impacts of pollutants on the structure and function of ecological systems are examined in depth. Topics may include environmental sampling and testing of pollutants, toxicity testing, major classes of environmental toxicants, fate and transport of pollutants in the environment, dose response relationships, biotransformation and biodegradation, ecotoxicology, ecological risk assessment, and emerging techniques for sustainable environmental remediation including bioremediation and phytoremediation.

(with lab)

Prerequisites: BIO 1212, and CHE 1032 or CHE 1055.

Recommended: At least one Statistics course.

Offering Location: Johnson Campus, Lyndon Campus

Notes: *There is a course fee.*

BIO 3290 - Conservation Biology

Credit(s): 3

This course integrates many disciplines in biology, environmental science and public policy that are traditionally covered as separate courses. Biological concepts include ecology, limnology, forest ecology, evolution and toxicology. Chemical concepts are applied to discussions of toxic substances and environmental contaminants. The course takes an interdisciplinary approach to solving conservation problems.

Prerequisites: BIO 2340; upper-level ENV course

Offering Location: Johnson Campus

BIO 3310 - Wildlife Field Methods

Credit(s): 4

Participants learn basic and advanced procedures for the study of wildlife populations and practice a variety of observational, live-capture and radiotelemetric methods for fish, amphibians, reptiles, birds and mammals in the field. Selected species identification, sign-reading techniques and general data analysis are included. Participants must provide their own binoculars and hip-wader boots (purchased or borrowed).

(with lab)

Restrictions: Not open to students who have taken Field Mammalogy

Offering Location: Johnson Campus

BIO 3320 - Ornithology

Credit(s): 4

Students engage in the in-depth study of bird classification, anatomy, physiology, ecology and behavior. Several sessions focus on Vermont birds and field techniques.

(with lab)

Prerequisites: BIO 2310

Offering Location: Johnson Campus

BIO 3330 - Field Botany and Dendrology

Credit(s): 4

This course introduces students to the principles of classification and identification of the vascular plants. The lectures cover phylogenetic and artificial systems of classification, nomenclature, phytogeography, and the concept of natural variation within populations and its evolutionary significance. The laboratory centers on a study of the major divisions of vascular plants. Specimens collected in the field are compared with the herbarium collections. Students learn to use keys and interpret technical descriptions. Two collections of 25 specimens are required: herbs in flowering condition and woody plants in the winter condition. The course requires two two-hour lab/lectures per week.

(with lab)

Prerequisites: One semester of Biology.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

BIO 3340 - Advanced Systematic Botany

Credit(s): 4

Topics for this course include the systematics of the more difficult groups of vascular plants, e.g., the pteridophyte, aquatic plants or graminoids, and an introduction to the methods employed in modern systematic research. Field trips, a plant collection, and a project are required.

(with lab)

Prerequisites: BIO 1211 and BIO 3330, or permission.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

BIO 3370 - Environmental Interpretation

Credit(s): 3

This is an introduction to the principles and methods of environmental interpretation which considers effective communication in formal and informal settings. Topics include use of interpretive media, displays, descriptive information, conducted trips and interpretive talks.

Restrictions: Permission of instructor

Offering Location: Johnson Campus

BIO 3470 - Winter Ecology

Credit(s): 3

Plants and animals that inhabit northern climes face the incessant challenges of dramatic seasonal changes, intense cold, limited energy resources, reduced light levels, and long-term snow and ice. Winter ecologists investigate the physiological, morphological, and behavioral adaptations of organisms to winter conditions. During this course we survey the plants, animals, and abiotic elements of Vermont's evergreen and deciduous broad-leaved forests, mountains, wetlands, streams and lakes and ponds during winter.

Prerequisites: BIO 1211

Offering Location: Johnson Campus

BIO 3710 - Special Topics in Biology

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 3000-level not offered in the general Biology curriculum.

Offering Location: Lyndon Campus

Repeatable for Credit: With a change of topic.

BIO 3720 - Current Topics in Biology

Credit(s): 1

This is a weekly seminar series featuring presentations by research scientists known for their contributions in biology. Speakers represent a broad spectrum of biological disciplines. Discussion sessions follow each presentation.

Offering Location: Johnson Campus

BIO 4040 - Ecology

Credit(s): 4

Ecology offers a study of the general principles of modern ecology including limiting factors, distribution, populations, communities, and the ecosystem concept. The laboratory and field work emphasizes quantitative techniques of experimental analysis. Field trips include all the local spectra of habitat types and, tentatively, one trip to a marine environment. The course requires three classroom hours and one two-hour lab per week.

(with lab)

Prerequisites: BIO 1211

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

BIO 4080 - Introduction to Plant Pathology and Pest Management

Credit(s): 4

This course teaches the nature, causes and controls of plant diseases. Students learn the relationships among agricultural practices, production systems, crop environments and the development of disease epidemics and pest infestations. The course will include a thorough examination of pest control, including integrated and sustainable pest management. The laboratory component of this course will focus on the characteristics and identification of the causal agents of plant diseases, and on identification of symptoms on plant tissue.

(with lab)

Prerequisites: BIO 1211

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

BIO 4220 - Wildlife Ecology & Management

Credit(s): 4

Classroom and field studies of game and non-game species with emphasis on population biology, physiological ecology and wildlife management in theory and practice.

(with lab)

Prerequisites: BIO 2340; and one mathematics course

Offering Location: Johnson Campus

BIO 4320 - Sustainable Food Systems I

Credit(s): 4

This course will give students a thorough examination and comparison of conventional, organic, and sustainable food production systems. Instruction in the field component will include visits to local farms which practice organic and/or sustainable methods of agriculture. Students will critically analyze these farm operations and assess their sustainability. The course will allow students to work in the NVU-Lyndon garden producing food for use by food services. This course also provides graduate and continuing education credits for practicing teachers who are working to incorporate local foods as part of their curricula and their school cultures.

(with lab)

Prerequisites: BIO 1211, BIO 1212, or permission.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

BIO 4330 - Sustainable Food Systems II

Credit(s): 4

This course will examine the principles of plant and animal sustainable food production. Topics will include best practices for maintaining soil fertility, scientific principles for diseases and pest, and emphasizes matching of agricultural production to land, climate and markets. Instruction includes planning, development and maintenance of the NVU-Lyndon Gardens.

(with lab)

Prerequisites: BIO 1211, BIO 1212, or permission.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

BIO 4340 - Environmental Challenges and Ecological Solutions

Credit(s): 4

This course explores the intersection among ecological knowledge, societal goals, and environmental issues focusing on creative and effective solutions. Students will build a framework of knowledge that integrates the underlying causes of environmental

problems with political, historical, technical, and ecological constraints and opportunities. Topics will vary by semester and may include endangered- or wildlife-species management, landscape design and management, waste and pollution management, natural resource extraction, biodiversity, or climate change.

(with lab)

Prerequisites: BIO 1211 and ENV 1080.

Restrictions: Sophomore standing or permission.

Offering Location: Lyndon Campus

Repeatable for Credit: Two times, with change of topic.

Notes: *There is a course fee.*

BIO 4710 - Special Topics in Biology

Credit(s): 1-4

The topics addressed by this course vary by student interest, and are announced at the time of registration.

Offering Location: Johnson Campus, Lyndon Campus

Repeatable for Credit: With a change of topic.

BIO 4810 - Internship in Biology

Credit(s): 1-12

Students plan and complete an internship in biology in consultation with their advisor.

Offering Location: Johnson Campus

BIO 4910 - Independent Study in Biology

Credit(s): 1-12

Students plan and complete an independent study in biology in consultation with their advisor.

Offering Location: Johnson Campus

BIO 4920 - Senior Thesis

Credit(s): 3

Students conduct an individual research project, write a thesis, give an oral presentation and prepare a paper for publication. This capstone course allows students to combine the skills and knowledge gleaned from previous courses with a self-designed research project that requires them to ask a good question, develop appropriate techniques, and conduct appropriate research. The research topic is chosen by the student in consultation with a faculty, and a thesis outline must be submitted to the supervising faculty member (or members) prior to commencement of research. This type of practical, hands-on experience may be conducted at locations off campus, in conjunction with a work-study project, internships or on-campus research. The project must be

completed within two semesters.

Restrictions: Senior standing

Offering Location: Johnson Campus

Business

Business

BUS 1025 - Learning Communities Lab: Business

Credit(s): 1

This Learning Community success "lab" is a one-semester course designed to support students in successful completion of their Learning Community-related courses. It will achieve this goal by assisting students in developing communication, technology, planning, and research skills as they directly relate to the Learning Community course assignments. While taught in conjunction with the Learning Community courses, it will be applicable to the students' education at large.

Corequisites: BUS 1080

Offering Location: Johnson Campus

BUS 1080 - FYS: Globalize It?

Credit(s): 3

This First-Year Seminar will focus on clarifying two main questions: what are the benefits generated by a globalized world, and what are the costs - the "bad" aspects of a free market? In doing so, it will introduce students to worldwide businesses and how they interact in a global business environment. Students will become familiar with business concepts/terminologies and the bases for global competition.

Restrictions: First-Years students only; reserved for Learning Community members

Offering Location: Johnson Campus

BUS 1210 - Business Software and Spreadsheets

Credit(s): 3

This hands-on, introductory computer course develops required student skills in office applications with strong emphasis on spreadsheets and presentation software. We also introduce the concepts of information systems, transaction-processing systems, reporting, and analytics - taking data and turning it into useful information to support management decision-making.

Offering Location: Johnson Campus, Lyndon Campus

BUS 1350 - Sport & Society, Sport Management Issues and Concepts

Credit(s): 3

This course is an introduction to Sport Management as a profession and an in-depth look at how Sport influences our society and

vice versa. Students will have the opportunity to grow their understanding of professional sport management opportunities along with their general awareness of current issues and trends in the field. The course will provide students the opportunity to view sport management as a potential career in professional, amateur, scholastic and youth sports. Coursework will also help students to identify realistic career paths that meet their own skill set and career goals. Students will gain actual experience via a series of volunteer efforts with local sport entities as well as meeting with local industry professionals to both make connections and grow awareness.

Offering Location: Johnson Campus, Lyndon Campus

BUS 1360 - Introduction to Sustainability

Credit(s): 3

This course will introduce students to the various natural and human-designed systems that humans interface with during a lifetime. These system include: 1) Land, food, and fiber; 2) Energy and transportation; 3) Fresh water and the marine environment; 4) The built environment; 5) Consumer goods and services; and 6) Community vitality. Each system will be introduced through the lenses of social, environmental, and economic perspectives. Concepts from the study of ecology, economic justice, and social and environmental responsibility will be integrated throughout the course, and discourse on the impacts of human design and behavior on the environment will also be included in this introductory course. Further, students will become aware of how individuals and groups in the various sectors of society are striving to make changes to mitigate the harmful impacts of humans on the social, environmental, and economic fabric we all live within. Solutions from the private, governmental, and non-profit sectors will be examined.

Offering Location: Johnson Campus

BUS 1710 - Special Topics in Business

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 1000-level not offered in the general Business curriculum.

Offering Location: Lyndon Campus

Repeatable for Credit: With a change of topic.

BUS 2010 - Project Management

Credit(s): 3

This course provides a comprehensive overview of project management focusing on developing skills needed for working within a project team. Students will examine the stages of a project in chronological order and learn how they interrelate. Topics include roles of the manager and management team, project organization and planning process, and communications and negotiations. Students will apply concepts of project management by identifying requirements, addressing the needs, concerns and expectations of the stakeholders, and balancing project constraints such as scope, schedule, budget, resources, and risk.

Restrictions: Sophomore standing, or permission.

Offering Location: Johnson Campus, Lyndon Campus

BUS 2015 - Fundamentals of Management in Business

Credit(s): 3

This course surveys various business topics with a detailed focus on management principles. Course topics include management theory, organizational structure, communication, motivation, planning, decision-making, marketing, and finance.

Offering Location: Johnson Campus, Lyndon Campus

BUS 2140 - Personal Finance

Credit(s): 3

This is a broad-based introduction to a wide range of financial planning opportunities in money management, tax planning, career planning, banking, credit, insurance, investing, retirement planning, and estate planning. A major goal of the course aims to identify the financial traps to avoid in making personal-finance decisions, and the course creates a blueprint for living that should maximize personal and financial success.

Offering Location: Johnson Campus, Lyndon Campus

BUS 2210 - Small Business Management

Credit(s): 3

This course explores the practical aspects of organizing and managing a small business in order to make informed business decisions. Topics include the basic concepts of accounting, finance, cash management, taxes, business law, government regulations, staffing and marketing.

Offering Location: Johnson Campus

BUS 2230 - Principles of Marketing

Credit(s): 3

Principles of Marketing introduces the basic concepts and practices of modern marketing. The instruction studies how large and small organizations successfully develop, price, promote, and distribute products and services. The course includes case studies.

Offering Location: Johnson Campus, Lyndon Campus

BUS 2280 - Introduction to Business Ethics

Credit(s): 3

This course explores what constitutes proper ethical conduct for a modern business while addressing the question of whether any business (no matter how well-intentioned) can hope to be both ethical and profitable within the context of a broader industrial or post-industrial society. The class approaches this subject from the perspective of traditional ethical philosophy, contemporary American culture and recent corporate history, while attempting to propose possible new business paradigms that provide both profit and social responsibility within a rapidly transforming world.

Offering Location: Johnson Campus, Lyndon Campus

BUS 2410 - Human Resource Management

Credit(s): 3

This course examines the critical issues and strategic questions that must be considered when managing diverse populations in today's workplace. Topics include selecting, training and evaluating personnel; compensation; health and safety; bargaining units; and motivation, morale and human relations.

Recommended: BUS 2015

Offering Location: Johnson Campus, Lyndon Campus

BUS 2710 - Special Topics in Business

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 2000-level not offered in the general Business curriculum.

Offering Location: Lyndon Campus

Repeatable for Credit: With a change of topic.

BUS 2810 - Internship in Business Management

Credit(s): 1-12

Students plan and complete an approved internship in consultation with their faculty supervisor.

Offering Location: Johnson Campus

BUS 2910 - Independent Study in Business

Credit(s): 1-12

Students plan and complete an approved independent study in consultation with their faculty supervisor.

Offering Location: Johnson Campus

BUS 3025 - Sport Coaching: Theory & Practice

Credit(s): 3

This course examines and demonstrates the roles of coaches in youth, high school, intercollegiate, and professional sports. The course will also illustrate, interpret, and debate topics related to ethical issues, regulations, and trends in sport coaching.

Prerequisites: BUS 1350

Offering Location: Johnson Campus

BUS 3060 - Consumer Behavior

Credit(s): 3

This course examines who, what, when, where and how consumers make purchasing decisions.

Prerequisites: BUS 2230

Offering Location: Johnson Campus, Lyndon Campus

BUS 3110 - Ski Area Management & Design

Credit(s): 3

This course presents the unique planning and management requirements associated with commercial ski resorts: organizational structure, land and water management, environmental impacts, and the various roles of federal, state and local governments.

Prerequisites: BUS 2015

Offering Location: Johnson Campus

BUS 3125 - Business Practices and Civic Engagement

Credit(s): 3

This course is based on a civic engagement project that students will participate for a period of 10 to 14 days. The community-based project should incorporate and extend previous knowledge, skills, and values learned in college.

Restrictions: Sophomore standing

Offering Location: Johnson Campus

BUS 3131 - Business Law I

Credit(s): 3

This is an introductory course focusing on the scope and terminology of the American legal system as it pertains to business organizations. Topics may include criminal law, tort law, forms of doing business, law of contracts, sales, real and personal property law, negotiable instruments, the Uniform Commercial Code and agency relationships.

Prerequisites: BUS 2015

Offering Location: Johnson Campus, Lyndon Campus

BUS 3145 - Introduction to Sustainable Food and Agricultural Systems

Credit(s): 3

A food system is an interconnected web of activities, resources, and people that extends across the food value chain, from farm to table. Food and agricultural systems are complex, with multiple actors operating at a variety of scales. The components of food and agricultural systems intertwine with cultural, social, organizational, political, human-made, and natural systems, which result, ultimately, in how humans engage with food. In this course, students will be introduced to the myriad of components that make up food and agricultural systems. Topics include sustainable farming practices, climate resilience and food value chains, food deserts and food insecurity, community-based food systems, and farm to table restaurant experiences.

Students will be required to invest significant time in reading and research so that rich and informed discussion will occur in the classroom setting. A semester-long research project on a topic of interest to each student will complement the readings from the texts. Guest speakers, visits to a variety of organizations including farms, food shelves, grocery stores, and farm to table restaurants, will enrich the educational experience and help students understand the breadth and depth of sustainable food systems.

Prerequisites: BUS 1360

Offering Location: Johnson Campus

BUS 3150 - Production/Operations Management

Credit(s): 3

This survey course develops the administrative skills and knowledge needed to effectively and efficiently manage the elements of production and service operations. Students are exposed to quantitative models commonly seen in management science, which are used to optimize the efficient use of resources including materials, facilities, and manpower.

Prerequisites: ACC 2122 and MAT 2021 (or MAT 2030 if taken and passed prior to Fall 2018), or permission of instructor.

Restrictions: Junior standing

Offering Location: Johnson Campus, Lyndon Campus

BUS 3160 - Sales Management and Selling

Credit(s): 3

This course exposes students to the tasks and skills used by sales professionals. The course also provides a detailed examination of the specialized tools and techniques needed to sell products and deliver services. Topics covered in this course include development of the sales force, development of regions and territories, customer relationship management, relationship selling techniques, and personal selling techniques.

Prerequisites: BUS 2230; or permission of instructor.

Offering Location: Johnson Campus, Lyndon Campus

Notes: *This course is offered every even-numbered spring.*

BUS 3230 - Financial Management

Credit(s): 3

This course presents a study of the important aspects of the theory of finance, emphasizing financial management and its goals and functions. Topics covered in this course include working-capital management, the capital-budgeting process, financial planning, short- and long-term financing, and the time value of money. Students will also learn to identify risks associated with various financial decisions.

Prerequisites: ACC 2122

Offering Location: Johnson Campus, Lyndon Campus

BUS 3240 - Global Business

Credit(s): 3

This course examines management and its application to global business strategy in the increasingly competitive world marketplace. The course covers such topics as cultural and social differences, strategic planning, political risk and negotiations, personnel selection and repatriation, labor relations and industrial democracy, ethical and social issues, and effective management of unique and diverse employee work forces. The discussion also includes environmental factors and cultural/social issues involved in financing, producing, and marketing in foreign countries. Global Business provides the opportunity to compare and contrast national and international operations by studying a variety of countries, as well as to analyze the myriad challenges and opportunities existing in the global business arena through the use of case studies and team projects.

Restrictions: Junior standing; or permission of instructor.

Offering Location: Johnson Campus, Lyndon Campus

Notes: *This course is offered every semester.*

BUS 3250 - Organizational Behavior & Management

Credit(s): 3

This course studies how individuals and groups interact in organizations to reach goals and objectives. Particular emphasis is given to the problems faced by business organizations.

Prerequisites: BUS 2015

Offering Location: Johnson Campus, Lyndon Campus

BUS 3260 - Investment and Portfolio Management

Credit(s): 3

This course provides a base for the development of careers in investment analysis. The instruction covers such topics as the investment setting, securities valuation and analysis, security markets and regulation, portfolio constraints and regulation.

Prerequisites: BUS 3230

Offering Location: Lyndon Campus

BUS 3272 - Social-Media Marketing

Credit(s): 3

This course provides an overview of the critical considerations of social-media marketing. We will study these considerations as we define the role social-media marketing will play within any organization's comprehensive marketing plan. Both lecture-based and hands-on, this course will focus on many of the current tools and networks in use today.

Prerequisites: BUS 2230

Offering Location: Johnson Campus, Lyndon Campus

BUS 3310 - Greening the Business Environment

Credit(s): 3

This course explores the impact of business processes on the natural environment. Through research, guest presentations and field experiences, students develop a greater understanding for the complex and fragile web of life and how business operations influence all natural ecosystems.

Restrictions: Junior standing

Offering Location: NVU Online

BUS 3350 - Innovation, Creativity, and Entrepreneurship

Credit(s): 3

This course examines how to add value to a new venture or existing business by developing solutions that meet new customer demands, hidden needs, or old customer and market needs in new ways. Participants will be introduced to tools to help identify emerging business opportunities, be it in their own entrepreneurial venture or in their workplace. The course will cover competencies and characteristics of entrepreneurs, business idea and model development, analysis of business opportunities, as well as understanding, assessing, and managing risks related to business on a realistic level.

Prerequisites: BUS 2015 and ACC 2122.

Offering Location: Lyndon Campus

BUS 3370 - Professional Communication

Credit(s): 3

Communication skills are the foundation for success in professional life and interpersonal relationships. This course is designed to equip students with the skills necessary to communicate effectively in personal and professional environments. The course integrates team skills and interpersonal communication, with an emphasis on cross-cultural communication and team problem solving. Students learn to effectively communicate in a variety of ways, including oral, written and digital communication applications. Communication theory underscores contemporary methods of communication, which include important skills as they apply to business correspondence, reports, memos, presentations, interview skills and social media.

Prerequisites: BUS 2015 and BUS 2230

Restrictions: Junior standing

Offering Location: NVU Online

BUS 3420 - Athletic Facility & Event Management

Credit(s): 3

This course examines how to build and finance a sport facility, facility operation, administration of marketing and finance, risk management and security protocol. Students will plan, market and implement an event of their choice, which they will organize throughout the course.

Prerequisites: BUS 1350

Offering Location: Johnson Campus

BUS 3440 - Ecotourism and Sustainability

Credit(s): 3

This course will introduce students to the major components of an ecotourism experience and to the geographic reach of ecotourism. Students will learn about ecotourism as an economic development strategy at local, regional, and country scales, and the role of NGO's and multilateral aid agencies in ecotourism development. Students will explore the numerous programs established to promote ecotourism as a responsible travel alternative and learn to design an ecotourism experience based on the principles and practices outlined by The International Ecotourism Society.

Offering Location: Johnson Campus

BUS 3490 - Leadership & Quality

Credit(s): 3

This course explores advanced issues in management and leadership. Focusing on the traits and behaviors of high performance teams, the course investigates leadership strategies that empower and involve others, transform organizations into a team-based culture, and improve individual and group performance.

Prerequisites: BUS 2015

Offering Location: Johnson Campus

BUS 3710 - Special Topics in Business

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 3000-level not offered in the general Business curriculum.

Offering Location: Lyndon Campus

Repeatable for Credit: With a change of topic.

BUS 3810 - Business Internship

Credit(s): 3

The Business Internship involves field placement with a business or industrial enterprise designed to provide the student with on-site, entry-level management experience for practical application of professional theories and principles learned in the classroom. The work experience must be approved in advance of the semester by the department faculty, and a learning contract must be established between the student, the faculty advisor, and the work supervisor. Bi-weekly reports and a final paper are required.

Restrictions: By Permission.

Offering Location: Lyndon Campus

BUS 4030 - Marketing Research

Credit(s): 3

This course provides students with hands-on experience with marketing research and market analysis for start-up, growth, and improvement of business and non-profit enterprises. Marketing research is an organized way of developing and providing information for decision-making. The first part of the class will focus on information sources, research methods and design, and interpretation of data and information for good marketing decisions. The second part of the class will focus on a marketing research or market analysis project, including research design, collection and analysis of data, and presentation of actionable recommendations.

Prerequisites: BUS 2230 and MAT 2021 (or MAT 2030 if taken and passed prior to Fall 2018), or permission of instructor.

Offering Location: Johnson Campus, Lyndon Campus

BUS 4060 - Strategic Management

Credit(s): 3

This capstone course provides students with the opportunity to demonstrate their full range of business-analysis and decision-making skills. The course uses theory and case study to help students practice and hone their individual skills. Students are expected to propose and justify strategic decisions for public corporations using their knowledge of management techniques, marketing, accounting, finance, technology, and industry expectations.

Prerequisites: ACC 2122 (Johnson); BUS 3230 (Lyndon)

Restrictions: Senior standing

Offering Location: Johnson Campus, Lyndon Campus

BUS 4180 - Leadership & Management of Nonprofit Organizations

Credit(s): 3

This course is designed to provide current and future non-profit managers and leaders with an overview of a range of management and leadership theory, concerns and best practices. The course will expand students' management skills, analytical tools, and leadership knowledge. Students take the perspective of non-profit managers, volunteers, board members, policy makers, donors and clients.

Prerequisites: BUS 2015

Offering Location: Johnson Campus

BUS 4190 - Leadership in Business

Credit(s): 3

This course offers a comprehensive review of the essential elements of successful business leadership. Through the study of great leaders, students will learn how organizational excellence can be shaped, necessary global competencies can be constructed, and organizations can be improved through critical transformational change. At the end of this course, students will have a clear understanding of the difference between the traditional management function and the more contemporary leadership role that management plays in business today.

Prerequisites: BUS 2015; or permission of instructor.

Restrictions: Senior standing

Offering Location: Johnson Campus, Lyndon Campus

Notes: *This course is offered every spring.*

BUS 4320 - Sport Promotion & Branding

Credit(s): 3

This course provides the student with basic theoretical and practical knowledge of managing the promotion and branding of a sport organization and its programs. Topics covered include marketing, branding, public relations, social media, customer service and sponsorship. Special attention is given to market segmentation, research, customer service and the creation of a brand management plan.

Prerequisites: BUS 1350 and BUS 2230

Offering Location: Johnson Campus

BUS 4340 - Environmental Entrepreneurship, Community Vibrancy, and Innovation

Credit(s): 3

Large and small private-sector businesses, non-profit organizations, and government agencies are increasingly concerned about the impact they have on the environment and on communities in which they operate. Innovative activity within existing organizations is often initiated by entrepreneurs while innovative new organizations are often started by entrepreneurs. Students will learn how organizations strive to minimize their impact on the environment and make meaningful contributions to society. This course surveys practices and processes of sustainable development planning, and its application, methods and implementation at a variety of scales but primarily at the community and individual business level. Students will survey the many approaches to sustainable development, including perspectives from private, non-profit, and public sector actors. Students will evaluate the successes and failures, as well as the strengths and weaknesses, of community development methods, and the results of these efforts in achieving social equity, environmental, and economic sustainability at the community scale.

Prerequisites: BUS 1360 or equivalent course; or permission of instructor.

Offering Location: Johnson Campus

Notes: *This course is offered every spring semester.*

BUS 4710 - Special Topics in Business

Credit(s): Variable (1-12 credits)

This course provides students the opportunity to pursue topics appropriate to the 4000-level not offered in the general Business curriculum.

Offering Location: Johnson Campus, Lyndon Campus

Repeatable for Credit: With change of topic.

BUS 4810 - Internship in Business Management

Credit(s): 1-12

Students plan and complete an approved internship in consultation with their faculty supervisor.

Offering Location: Johnson Campus

BUS 4830 - Senior Practicum

Credit(s): 3

In this experiential learning practicum, specific projects will be assigned to students for the semester to prepare them to enter the business world by applying and practicing their skills in business situations.

Restrictions: Senior standing, or permission.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

BUS 4910 - Independent Study

Credit(s): 1-12 (Johnson); 3 (Lyndon)

This course offers independent study or directed study/internships, in consultation with a faculty member. An independent study contract must be negotiated with a faculty member before registration.

Restrictions: By Permission.

Offering Location: Johnson Campus, Lyndon Campus

Chemistry

Chemistry

CHE 1023 - Outline of General Chemistry

Credit(s): 4

This is a one-semester survey of principles of general chemistry for students needing one semester of general chemistry. Topics covered include bonding, structure of molecules, properties of water, electrolytes, chemical reactions in the aqueous phase, energy changes, oxidation/reduction, gas behavior, equilibrium, acid/base chemistry, and solubility. The course requires three classroom hours and one two-hour lab per week.

Prerequisites: MAT 1060 or permission.

Recommended: High school chemistry is strongly recommended.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

CHE 1031 - General Chemistry I

Credit(s): 4

This is the first course of a two-semester sequence on the fundamental principles of chemistry. Topics include atomic structure, stoichiometry, gas laws, thermochemistry, modern atomic theory, liquids and solids and molecular structure.

(includes a lab)

Recommended: MAT 1020, MAT 1221, or MAT 1410, and/or high school or college physics.

Offering Location: Johnson Campus, Lyndon Campus

Notes: *There is a course fee.*

CHE 1032 - General Chemistry II

Credit(s): 4

This course is a continuation of CHE 1031. Topics include solution properties, kinetics, equilibrium, reaction mechanisms, thermodynamics, acid-base reactions, electrochemistry and element properties.

(with lab)

Prerequisites: CHE 1031

Offering Location: Johnson Campus, Lyndon Campus

Notes: *There is a course fee.*

CHE 1055 - General, Organic and Biochemistry

Credit(s): 4

This is a one-semester survey course that focuses on presenting foundational concepts (general and organic chemistry) in the context of biomolecules and biochemistry including laboratory experiments with a biochemical focus.

(with lab)

Offering Location: Johnson Campus, Lyndon Campus

Notes: *There is a course fee.*

CHE 1710 - Special Topics in Chemistry

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 1000-level not offered in the general Chemistry curriculum.

Offering Location: Lyndon Campus

Repeatable for Credit: With a change of topic.

CHE 2020 - Introduction to Environmental Chemistry

Credit(s): 4

This course examines the interactions between chemicals and the environment. Specific topics include major classes of pollutants, environmental degradation due to chemical pollutants, chemistry of soil and water, microbial biodegradation of pollutants, restorative and buffering ecosystem services, biogeochemistry, environmental restoration and risk assessment of contaminated land and water. Student projects are conducted throughout the semester.

Offering Location: Johnson Campus, Lyndon Campus

Notes: *There is a course fee.*

CHE 2710 - Special Topics in Chemistry

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 2000-level not offered in the general Chemistry curriculum.

Offering Location: Lyndon Campus

Repeatable for Credit: With a change of topic.

CHE 2910 - Independent Study in Chemistry

Credit(s): 1-12

Students plan and complete an approved independent study in consultation with their faculty supervisor.

Offering Location: Johnson Campus

CHE 3010 - Biochemistry

Credit(s): 4

This course provides an introduction to the principles of biochemistry. Topics studied include the structure, function, reactions, and metabolism of carbohydrates, lipids, proteins, and nucleic acids. The course requires three laboratory hours per week.

Prerequisites: CHE 3111 or permission.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

CHE 3050 - Environmental Chemistry

Credit(s): 4

This course focuses on applying concepts of sustainable environmental management of chemicals. Emphasis is placed on the remediation of contaminated land and water with living technologies such as living machines, phytoremediation, bioremediation, and biomimicry. Discussion of current issues in environmental chemistry including state, federal, and international legislation, current events, and emerging technologies occurs throughout the course. This course expands upon concepts introduced in CHE 2020 through student project-oriented experimentation and application.

Prerequisites: The prerequisite is CHE 1032 or CHE 2020.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

CHE 3111 - Organic Chemistry I

Credit(s): 4

This is an introduction to the chemistry of carbon. Topics include nomenclature, bonding, molecular structure, functional groups, synthesis, reaction mechanisms, and stereochemistry. The lab introduces students to safety procedures, basic techniques, and synthesis emphasizing green chemistry techniques.

(with lab)

Prerequisites: CHE 1032

Offering Location: Johnson Campus, Lyndon Campus

CHE 3112 - Organic Chemistry II

Credit(s): 4

This course continues CHE 3111 with an introduction to the biochemistry of carbohydrates, lipids and proteins. The course requires one three-hour laboratory per week, which emphasizes green chemistry techniques of compound identification and synthesis.

(with lab)

Prerequisites: CHE 3111

Offering Location: Johnson Campus, Lyndon Campus

Notes: *There is a course fee.*

CHE 3710 - Special Topics in Chemistry

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 3000-level not offered in the general Chemistry curriculum.

Offering Location: Lyndon Campus

Repeatable for Credit: With a change of topic.

CHE 4710 - Special Topics in Chemistry

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 4000-level not offered in the general Chemistry curriculum.

Offering Location: Lyndon Campus

Repeatable for Credit: With a change of topic.

CHE 4910 - Independent Study in Chemistry

Credit(s): 1-12

Students plan and complete an approved independent study in consultation with their faculty supervisor.

Offering Location: Johnson Campus

Cinema Production

CIN 1060 - Cinema Production I

Credit(s): 3

This course focuses on fundamental aspects of motion picture production, including cinematography, lighting, editing, and sound recording and design. Student projects will emphasize the aesthetic nature of the cinematic medium as a form of visual communication.

Offering Location: Lyndon Campus

Notes: *There is a course fee, but students may be required to incur additional expenses toward the completion of their projects.*

CIN 1710 - Special Topics in Cinema Production

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 1000-level not offered in the general Cinema Production curriculum.

Offering Location: Lyndon Campus

Repeatable for Credit: With a change of topic.

CIN 2015 - Film Festival Experience

Credit(s): 1-3

This course provides students with an immersion experience viewing films, exhibits, and presentations at a film festival. Students will be expected to attend meetings prior to, during, and after the festival. The academic content of the course will focus on participation in film screenings, group discussions, and reflection papers about the experience. Students registered for 2 or 3 credits will be required to complete extended analytical or research papers.

Restrictions: By Permission.

Offering Location: Lyndon Campus

Repeatable for Credit: Yes (but only 3 credits may be counted toward program requirements).

Notes: *There is a course fee.*

CIN 2060 - Cinema Production II

Credit(s): 3

This course further develops the techniques presented in CIN 1060 to expand students' understanding of the aesthetic nature of the cinematic medium. Students will work in a team environment to explore the key components of motion picture production through a series of short projects that emphasize motion picture grammar, form, and style.

Prerequisites: CIN 1060

Offering Location: Lyndon Campus

Notes: *There is a course fee, but students may be required to incur additional expenses toward the completion of their projects.*

CIN 2110 - Film Theory and Practice

Credit(s): 4

This course investigates the nature of cinematic art through thematic and historical approaches to film theory with practical application in related cinema production projects. Topics may include Soviet montage theory, structuralism, semiotics and film language, ideological analysis, the relation between film and reality, and the relation between sound and image.

Prerequisites: CIN 1060 and FLM 1055, or permission.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

CIN 2710 - Special Topics in Cinema Production

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 2000-level not offered in the general Cinema Production curriculum.

Offering Location: Lyndon Campus

Repeatable for Credit: With a change of topic.

CIN 3060 - Directing

Credit(s): 3

This course provides rigorous and intensive practical training in the techniques of motion picture production. Student projects focus on advanced methods of production management, camera work, lighting, editing, sound recording, and sound mixing.

Prerequisites: CIN 2060 and FLM 1055.

Offering Location: Lyndon Campus

Notes: *There is a course fee, but students may be required to incur additional expenses toward the completion of their projects.*

CIN 3710 - Special Topics in Cinema Production

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 3000-level not offered in the general Cinema Production curriculum.

Offering Location: Lyndon Campus

Repeatable for Credit: With a change of topic.

CIN 4060 - Cinema Production Workshop

Credit(s): 3

This course involves students in the creation of original works of cinematic art and offers advanced students intensive inquiry into specific cinema production topics. Students will undertake the supporting creative and professional roles in senior capstone films and will work on their own short projects under the direct supervision of a faculty specialist. It should be noted that this course is not designed to provide direct professional experience but rather to permit students to explore their creative abilities while employing professional tools and procedures.

Prerequisites: CIN 2060 and FLM 1055.

Recommended: JOU 3125

Offering Location: Lyndon Campus

Repeatable for Credit: Yes.

Notes: *There is a course fee, but students may be required to incur additional expenses toward the completion of their projects.*

CIN 4070 - Cinema Production Seminar

Credit(s): 3

This course focuses on the correlations among the art of filmmaking, production management practices, and methods of

distribution and exhibition in the changing media landscape, and engages senior students in planning their capstone films. Particular emphasis is on the various pre-production phases of cinema production, on legal issues related to filmmaking, and on portfolio development in preparation for graduate study or for careers in the field.

Prerequisites: CIN 2110 and CIN 4060.

Offering Location: Lyndon Campus

CIN 4080 - Advanced Cinema Workshop

Credit(s): 3

This course builds on work completed in CIN 4070, allowing senior students to execute their capstone films by working with other advanced Cinema Production students. Senior students will undertake the primary creative and professional roles in a significant motion picture project under the direct supervision of a faculty specialist. It should be noted that this course is not designed to provide direct professional experience but rather to permit students to explore their creative abilities while employing professional tools and procedures.

Prerequisites: CIN 4070 and JOU 3125.

Offering Location: Lyndon Campus

Repeatable for Credit: Yes.

Notes: *There is a course fee, but students may be required to incur additional expenses toward the completion of their projects.*

CIN 4710 - Special Topics in Cinema Production

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 4000-level not offered in the general Cinema Production curriculum.

Offering Location: Lyndon Campus

Repeatable for Credit: With a change of topic.

Communications

COM 1035 - New Student Seminar in Journalism and Communications

Credit(s): 3

This course introduces Digital Communications and Broadcast and Digital Journalism majors to the intellectual and social environment of college. Students will discuss industry trends and issues that impact the profession, and will participate in activities that will support their success within the Digital Communications and Broadcast and Digital Journalism majors at NVU-Lyndon. The importance of general education is also covered. Topics may include time management, research, critical thinking, effective studying techniques, and offices/services available to students.

Offering Location: Lyndon Campus

COM 2050 - Introduction to Film Study

Credit(s): 3

The study of film as an item of commerce, as an art form and as a method of communication. An examination of film's style and technology will inform critical interpretation (voice, oral and written) as an integral part of the course

Offering Location: Johnson Campus

COM 2085 - Public Relations, Advertising, and Marketing

Credit(s): 3

This course introduces the principles and practice of public relations, advertising, and marketing in a multimedia environment. Exploring marketing strategies that guide corporation, advertising campaigns that shape popular culture, and public-relations efforts that drive news headlines, this course will examine the role of strategic communications in society. The course offers practical experience in the techniques of writing and producing news releases, marketing projects, and advertising messages for a wide variety of media.

Prerequisites: ENG 1081 or permission.

Offering Location: Lyndon Campus

COM 3080 - Strategic Media Communications

Credit(s): 3

This course offers advanced study of strategic media communication techniques in a practical setting. The instruction covers advanced topics such as integrated marketing communication, crisis communication, and social media messaging. Students act as public relations and advertising consultants for selected clients.

Prerequisites: COM 2085, OEL 3110, or permission.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

COM 4810 - Sr. Internship in Digital Communications

Credit(s): 3

This course enables students of advanced standing and achievement to participate in on-the-job work experience in digital communications-related situations separate from the classroom. Students must apply for an internship in advance, and must meet with their academic advisor for materials, application form, and procedure details.

Restrictions: Senior standing. By Permission (contract required).

Offering Location: Lyndon Campus

Notes: *See also the section on internships and cooperative education. There is a course fee.*

COM 4815 - Digital Communications Practicum

Credit(s): 3

This course enables students of advanced standing to participate in on-the-job work experiences within the University newsroom. Students will create promotional content across all digital platforms to support and promote newsroom activities. Students will develop an appropriate portfolio to apply for promotions or jobs within the industry.

Restrictions: Senior standing.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

Computer Science

Computer Science

CIS 1050 - Computer Operation Systems and Spreadsheets

Credit(s): 1

This course covers the concepts, knowledge, and skills necessary to design, create, organize, store, and utilize spread sheets in varied settings. Students explore concepts and skills such as user-made functions, translation to graphs, using library macros, user macro development, and What If Scenarios. Students who successfully complete the course will be prepared to generate and use spread sheets to process information rapidly in virtually any setting and should obtain the performance of a professional in the workplace. This course is conceptual in nature and includes direct application to hands-on real-world settings.

Offering Location: Lyndon Campus

CIS 1060 - Introduction to Databases

Credit(s): 1

This course presents the concepts, knowledge, and skills necessary to design, create, organize, store, and utilize microcomputer databases in varied settings. Students explore concepts and skills such as database structures and records, browsing vs. editing, FOR conditions and relational/logical operations, modifying database structures, and use of catalog storage. Students who successfully complete this course will be prepared to generate and use databases to process information in varied dimensions, and should obtain the performance of a professional in the workplace. This course is conceptual in nature and includes direct application to hands-on real-world settings.

Offering Location: Lyndon Campus

CIS 1090 - Problem Solving with Computers

Credit(s): 3

This course teaches students how to solve problems with computers using elementary computer programming concepts. Students learn to analyze a problem and then define the logic required to solve the problem using a computer. Students complete the software-development process by designing and implementing the solution using a programming language. Lab exercises reinforce and integrate concepts and practice. This course will teach students how to solve problems with computers using object oriented concepts such as classes, objects, methods and encapsulation. There will be an emphasis on the design, implementation and analysis of solutions. Lab exercises will reinforce and integrate concepts and practice.

Offering Location: Lyndon Campus

CIS 1210 - Concepts of Word Processing

Credit(s): 1

This course offers the concepts, knowledge and skills necessary to design, create, organize, store, and utilize written documents in varied computer formats. Students explore concepts and skills such as multilayered documents, text-around-image formats, address list creation, document merging, mail-merge for addressing letters, and macros for standard-form documents. Students who successfully complete the course will obtain the performance level required of a professional in the workplace. This course is conceptual in nature and includes direct application to hands-on real-world settings.

Offering Location: Lyndon Campus

CIS 1220 - Concepts of the Internet and WWW

Credit(s): 1

This course presents the concepts and knowledge that are fundamental to effective use of the Internet and the World Wide Web largely through commonly available browsers and search engines. Students explore concepts such as legal and ethical concerns, public access, and various protocols (http, ftp, etc.) as applied to searching, downloading, and file sharing. Students who successfully complete this course will understand the fundamental operations of the Web and be able to manipulate the Internet. This course is conceptual in nature and includes direct application to hands on real-world settings.

Offering Location: Lyndon Campus

CIS 1240 - Simple Computer Graphics

Credit(s): 1

This course is designed to present the concepts and knowledge in order to present data and information in a visually appealing form. Students explore concepts such as graphics file types, inputs and scanners, bit mapping, taking pictures of screens, postscript concepts, and review of graphic cards and acceleration. Students who successfully complete this course should understand the fundamental operations of computer manipulation of graphical data and be able to produce presentations using several graphics software packages. The performance level of students completing this course is that required of a professional in the workplace. This course is conceptual in nature and includes direct application to hands-on real-world settings.

Offering Location: Lyndon Campus

CIS 1247 - Concepts of Desktop Publishing

Credit(s): 1

This course is designed to present the concepts, knowledge, and skills necessary to design, create, and implement various production pieces using an integration of text, texture, style, images, and bars. Students explore concepts and skills such as size, integration, perspective, message, placement, and color. Students who successfully complete this course should be prepared to produce, print, and deliver stand-alone documents and assist others in these productions. The performance level of students completing this course is that required of a professional in the workplace. This course is conceptual in nature and includes direct application to hands-on real-world settings.

Offering Location: Lyndon Campus

CIS 1310 - Methods of Computer Presentations

Credit(s): 1

This course is designed to present the concepts, and skills necessary to design, create, organize, and make effective computer generated, and/or computer controlled presentations. Students explore concepts, and skills such as masters, and templates, application of text, color, icon, and picture schemes, using other media forms on slides, and directing the flow of a presentation. Students who successfully complete this course should be prepared to produce and make such presentations, as well as assist others in their productions. The level of students completing this course is that required of a professional in the workplace. This course is conceptual in nature and includes direct application to hand on real-world settings.

Offering Location: Lyndon Campus

CIS 1710 - Special Topics in Computer Science

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 1000-level not offered in the general Computer Science curriculum.

Offering Location: Lyndon Campus

Repeatable for Credit: With a change of topic.

CIS 2011 - Visual Basic Programming

Credit(s): 3

This course is an introduction to the Visual Basic programming language and the concepts involved in object-oriented programming. The course will be a hands-on programming class that will expose students to the skills necessary to create and maintain visual programs.

Recommended: CIS 2271

Offering Location: Lyndon Campus

CIS 2060 - Programming with FORTRAN

Credit(s): 3

This course offers a brief review of computer architecture and program structure charting techniques. The course presents intensive study of the FORTRAN programming language on available machinery, and intensive applications involving report construction, basic numerical methods, and modeling. The instruction includes special topics such as structured programming and special projects individualized according to the interests and abilities of the student.

Prerequisites: MAT 1410 or MAT 1221.

Offering Location: Lyndon Campus

CIS 2101 - Introduction to Unix

Credit(s): 1

This course offers an introduction to the Unix operating system. The instruction provides students with the necessary knowledge and skills to work proficiently in a networked Unix laboratory. Course topics include the history of Unix, introduction to shell tools and shell programming, the Unix file system, moving around on the system, listing files, managing disk usage, file ownership and permissions, creating, moving, renaming, deleting files and directories, filters, piping, regular expressions, shell programming, job control, and printing.

Prerequisites: Basic computer competency.

Offering Location: Lyndon Campus

CIS 2112 - Computer Hardware & Organization

Credit(s): 3

This introductory course focuses on the basic elements and organization of computer hardware. Students study concepts regarding logic elements and Boolean algebra, the central processing unit, input-output interface, peripherals, memory structures, and operating systems. Lab work includes practical application of computer technology, installation and configuration of desktops, laptops, and related hardware; and basic networking.

Offering Location: Lyndon Campus

CIS 2141 - Programming Internet and Web Applications Part I

Credit(s): 3

This course focuses on the creation of web pages and web sites and the subsequent development of software applications that will serve those sites with major emphasis on client-side applications. Topics may include HTML, graphics for web pages, client-side scripting (JavaScript/Jscript) and related programming concepts, and Dynamic HTML.

Offering Location: Lyndon Campus

CIS 2142 - Advanced Visual Basic

Credit(s): 3

This course covers advanced topics in the Visual Basic programming language. Instruction will include memory management, object oriented concepts (inheritance, polymorphism, encapsulation, and information hiding), data structures, user interface features, error handling, advanced input and output.

Prerequisites: CIS 2011

Offering Location: Lyndon Campus

CIS 2271 - Java Programming

Credit(s): 3

This course addresses control flow, user defined and Java API classes and methods, data types (simple and object), object oriented concepts, operators, program design, basic input and output and swing GUI components.

Prerequisites: CIS 1090, or permission of instructor with demonstrated knowledge of a computer programming language.

Offering Location: Johnson Campus, Lyndon Campus

CIS 2279 - Introduction to Perl Programming

Credit(s): 1

This course is an introduction to the Perl programming language with a focus on data manipulation. Topics will include data structures, basic input and output, Perl modules, overall program design and coding practices.

Restrictions: By permission, with demonstrated knowledge of a computer programming language.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

CIS 2290 - Introduction to Python

Credit(s): 1

This course is designed to teach the fundamentals of programming in Python. The course will be hands-on and will use a series of lecture, demonstrations, and exercises to teach students how to design, develop, and debug Python applications. Students will learn the fundamentals of Python, including data types, the object-oriented model, list comprehension, exception handling, flow control/looping, packages, modules, inheritance, and more.

Restrictions: By permission, with demonstrated knowledge of a computer programming language.

Offering Location: Lyndon Campus

CIS 2330 - Database Systems

Credit(s): 3

This course is designed to develop skills in the use of database management systems. Topics include the analysis, design and maintenance of relational databases and their objects (tables, queries, forms, and reports). Additional areas of focus include: Data description and manipulation languages, schema design and normalization, file and index organizations, and data integrity and reliability.

Prerequisites: Experience in at least one other programming language.

Offering Location: Lyndon Campus

CIS 2370 - Help Desk Support

Credit(s): 3

This course introduces students to the tools, technology and techniques used in help desk / customer support systems. Topics include fundamental help desk processes and support tools. Customer interaction utilizing soft skills is emphasized. Students work with real world computer support examples, case studies, and activities.

Prerequisites: CIS 2112 and CIS 2101.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

CIS 2710 - Special Topics in Computer Science

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 2000-level not offered in the general Computer Science curriculum.

Offering Location: Lyndon Campus

Repeatable for Credit: With a change of topic.

CIS 2850 - System Administration Essentials

Credit(s): 4

This course offers a practical approach to the principles of system administration. It utilizes the major operating system families: Unix, Linux, Windows and Mac. This course employs hands-on learning for topics such as maintaining and backing up systems, disaster recovery, updates and troubleshooting. There will be an emphasis on industry standard best practices.

Prerequisites: The prerequisites are CIS 3110 and CIS 2101. There is a course fee. This course is offered every even-numbered fall.

CIS 2910 - Johnson - Independent Study in Computer Information Systems

Credit(s): 1-12

Students plan and complete an approved independent study in consultation with their faculty supervisor.

CIS 2990 - Portfolio

Credit(s): 1

This course consists of the completion of the required graduation portfolio for the Associate's Degree, which will be reviewed by a faculty panel.

Prerequisites: The prerequisite is sophomore status.

CIS 3025 - Advanced Object Oriented Programming

Credit(s): 3

This course focuses on object-oriented paradigm, design principles and practice using UML. It includes an in-depth study of a modern object-oriented language including inheritance, polymorphism, exception handling, event handling, and generics. Lab work includes implementation, debugging and profiling using an IDE and a version control system.

Prerequisites: CIS 2271

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

CIS 3040 - Johnson - Database

Credit(s): 3

This course takes the student through the world of relational databases using Microsoft Access. By the end of the course, each student will be able to design and build a relational database.

CIS 3050 - Algorithms and Data Structures

Credit(s): 3

The course includes advanced programming topics dealing with logical structures of data and the design and analysis of computer algorithms operating on these structures. Topics covered include a broad variety of data structures, algorithms and their applications including linked lists, various tree organizations, hash tables, strings, storage allocation, algorithms for searching and sorting, and a selected collection of other algorithms. Programs to give students experience in algorithms, data structure design and implementation will be assigned.

Prerequisites: The prerequisite is CIS 2032 or CIS 2142. This course is offered every spring.

CIS 3110 - Networking

Credit(s): 3

This course introduces data communications concepts and terminology. Topics may include network topologies and components, distributed information systems, the communication environment, protocols, regulatory issues, pricing, and management. Students will also be provided with hands-on experience in setting up and maintaining a computer network.

Prerequisites: This course is offered every even-numbered fall.

CIS 3120 - Programming Internet and Web Applications Part II

Credit(s): 3

This course is a continuation of CIS 2141 and it builds on the client-side applications foundation that was established in the previous course. This course then focuses on server-side applications. Topics include Dynamic HTML, Active Server Pages (ASP), server-side scripting, XML, and database access by web applications. An introduction to electronic commerce may also be covered.

Prerequisites: The prerequisite is CIS 2141. This course is offered every even-numbered spring.

CIS 3240 - Computer Security

Credit(s): 3

This course will include policy, planning and implementation for building a comprehensive information risk management

program, with a focus on technologies such as firewalls and encryption to secure data and aspects of access control, authentication, malicious software, and general exploits and attacks. This course is intended for students with no knowledge of computer information security, but a basic knowledge of networks is required.

Prerequisites: The prerequisite is CIS 3110. This course is offered every even-numbered fall.

CIS 3272 - Advanced Java Programming

Credit(s): 3

Topics in this course include memory management, advanced object-oriented concepts, data structures advanced swing user interface features, error handling, networking, and advanced input and output.

Prerequisites: CIS 2271

Offering Location: Johnson Campus

CIS 3430 - Data Science I

Credit(s): 4

This course introduces the core concepts of data science. The emphasis is on outcomes of the application of data science to broad problems.

This course highlights exploratory analysis to define problems and goals; application of statistics to knowledge discovery by way of general techniques in data science, such as classification, clustering, regression analysis, and association rule mining; and techniques to generate contextualized models in a variety of domains. This course uses the statistical programming language R for analyses.

Offering Location: Johnson Campus

CIS 3440 - Data Science II

Credit(s): 4

This course integrates mathematical and computational knowledge with skills in data science to model and solve well-specified problems. This course applies data science techniques to generate inferences from data in a variety of formats from noisy, complex data sets. This course instructs how inferences are summarized and communicated to an audience using narrative and visualizations. This course emphasizes strong quantitative reasoning, statistics, and computer programming using the statistical programming language R.

Prerequisites: CIS 3430

Offering Location: Johnson Campus

CIS 3710 - Special Topics in Computer Science

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 3000-level not offered in the general Computer Science curriculum.

Prerequisites: This course may be repeated with a change of topic.

CIS 3750 - Cloud Computing

Credit(s): 4

This course presents a hands-on comprehensive study of the concepts of virtualization with an introduction to cloud computing. The course work focuses on practical applications and utilization of current technologies in the IT industry including virtual servers, virtual storage, virtual file systems, and virtual networking.

Prerequisites: The prerequisites are CIS 3110 and CIS 2101. There is a course fee. This course is offered every odd-numbered fall.

CIS 3810 - Cooperative Field Work

Credit(s): 3 to 12

This field experience is selected according to each student's career plan. Emphasis on system design and analysis or theoretical computer science is recommended. See also the section on Cooperative Education elsewhere in this catalog.

CIS 4120 - Systems Analysis and Design

Credit(s): 3

This course describes systems analysis and design principles, concepts and methods. The course fosters a disciplined, comprehensive approach to systems analysis and design with an emphasis on human factors as well as technical considerations.

Prerequisites: The prerequisite is any other programming class. This course is offered every odd-numbered spring.

CIS 4330 - Advanced Networking

Credit(s): 4

This course emphasizes job skills in computer networks. Topics covered include the configuration and management of eMail services, collaboration services, network storage, virtualization and network security.

Prerequisites: The prerequisite is CIS 3110. There is a course fee. This course is offered every odd-numbered spring.

CIS 4350 - Advanced Computer Security

Credit(s): 4

This course presents an in-depth look at how computer and information security is handled in the corporate environment. An advanced course for network, computer and information security specialists that analyzes the various methodologies used to attack and defend networked systems. Topics covered may include development of security policies, cryptography, access control mechanisms, vulnerability analysis, network intrusion, and security auditing.

Prerequisites: The prerequisite is CIS 3240. There is a course fee. This course is offered every even-numbered spring.

CIS 4520 - Advanced Software Technologies

Credit(s): 3

This course provides students the opportunity to explore current software technologies. Students will learn about and get hands-on experience with current and emerging software platforms, frameworks, and programming language technologies in the context of enterprise applications. Students' exposure to industry standard technologies that have been recently established will be reinforced through in-class labs and a major software project. This course may be repeated once for credit with a change of topic(s).

Prerequisites: The prerequisite is CIS 2032. This course is offered every even-numbered fall. There is a course fee.

CIS 4710 - Special Topics in Computer Science

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 4000-level not offered in the general Computer Science curriculum.

Prerequisites: This course may be repeated with a change of topic.

CIS 4810 - Internship in Computer Science

Credit(s): 3

As arranged.

CIS 4910 - Johnson - Independent Study in Computer Information Systems

Credit(s): 1-12

Students plan and complete an approved independent study in consultation with their faculty supervisor.

CIS 4950 - CIS Capstone

Credit(s): 3

This course serves as a senior capstone project. Students develop a project that demonstrates the technical and cognitive skills mastered in their undergraduate CIS courses. Students work in teams that engage in and complete the design and implementation of a significant information system.

Prerequisites: The prerequisite is senior standing or permission. There is a course fee. This course is offered every spring.

Criminal Justice

Criminal Justice

CRJ 1010 - Introduction to Criminal Justice (J)

Credit(s): 3

In this course we begin to examine the human beings who are labeled criminal in America and question why they break the law. Are those violations the result of genetics, free will, social and economic forces? Is criminal behavior caused by inherent character weaknesses or the malfunction of an unequal society? We will also examine the institutions created to deal with and prevent criminal behavior: the law, the courts, the government, the police and the jails. Further, we will study the social context of crime and ask the most important question: Can we reasonably imagine the possibility of a human community without crime or criminals, a world without police, punishment or prison?

Offering Location: Johnson Campus, NVU Online

CRJ 1010 - Introduction to Criminal Justice (L)

Credit(s): 3

This course provides an overview of the American criminal justice system, tracing its history and development and assessing its strengths and weaknesses. The roles of the agencies that comprise the criminal justice system (representing law enforcement, courts, and corrections) are examined.

Offering Location: Lyndon Campus

CRJ 1040 - Criminal Justice Lecture Series: Careers in the Field

Credit(s): 1

This course is designed to provide first-hand information on a wide range of topics relevant to the criminal justice field. Speakers will discuss their areas of expertise while sharing experiences to help build students' foundational academic and experiential knowledge. Presentations will further help students identify and explore career paths in the field of criminal justice. Presenters will include academics, legal experts, community organizers, service providers, as well as practitioners of law enforcement and rehabilitation. The course is intended to undergird the experiential focus of the criminal justice concentration at Johnson State College.

Offering Location: Johnson Campus

CRJ 1710 - Special Topics in Criminal Justice

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 1000-level not offered in the general Criminal Justice curriculum.

Offering Location: Lyndon Campus

Repeatable for Credit: With a change of topic.

CRJ 2010 - Law Enforcement in America

Credit(s): 3

This course provides an examination of the history and evolution of law enforcement in the United States. Among the topics examined in this course are law enforcement careers; the police role; selection, recruitment, and training of personnel; occupational socialization and the police subculture; discretion; management and organizational behavior; and patrol/investigative functions. Other issues considered include police use of force, police-community relations, job stress, and corruption/ethical problems.

Prerequisites: CRJ 1010 or permission.

Offering Location: Lyndon Campus

CRJ 2020 - American Judicial Process

Credit(s): 3

This course is designed to provide students with an overview of the American judicial process through an examination of its history, structure, and operation. The topics considered include court organization and administration, the courtroom "work group," the trial and appellate processes, problems that plague the courts, and alternatives to courts for conflict resolution.

Restrictions: Sophomore standing or permission.

Offering Location: Lyndon Campus

CRJ 2030 - Victimology

Credit(s): 3

This course explores the role of victimology in the criminal justice system, examining the consequences of victimization and the various remedies available for victims. In addition, this course analyzes victimization patterns and trends, and theoretical reasoning and responses to criminal victimization.

Offering Location: Lyndon Campus

CRJ 2050 - Criminology

Credit(s): 3

This course is designed to explore the nature and causation of crime by examining theories of criminal behavior and the factors which affect crime distribution and displacement. The course introduces the student to research methods used in analyzing crime typologies and measuring criminal behavior.

Prerequisites: CRJ 1010

Offering Location: Lyndon Campus, NVU Online

CRJ 2150 - Community & Restorative Justice (J)

Credit(s): 3

This course provides students with an understanding of restorative justice principles and practices. Topics include the evolution of different models of justice, differences between retributive and restorative justice, and restorative models that involve victims, communities and offenders as active partners.

Offering Location: Johnson Campus

CRJ 2150 - Community and Restorative Justice (L)

Credit(s): 3

This course examines the needs and obligations of all stakeholders in dealing with the aftermath of crime. It also critically examines the traditional government responses to crime in the United States and how the principles and practices of an approach broadly known as restorative justice may improve that response, as well as examine the challenges of a restorative approach.

Restrictions: Sophomore standing or permission.

Offering Location: Lyndon Campus

CRJ 2160 - Juvenile Justice

Credit(s): 3

This course is an examination of the procedures used in dealing with juveniles who come into conflict with the law. The course includes critical appraisal of the history and role of juvenile courts and assessment of correctional strategies currently in use to treat juvenile offenders.

Offering Location: Lyndon Campus

CRJ 2170 - Ethics and Professionalism in Criminal Justice

Credit(s): 3

This course introduces students to ethical theories and helps them apply these theories to real world dilemmas they may confront as professionals in the criminal justice system. Topics may include the meaning of morality and ethics and the connections between law, morality, and justice, standards and professional responsibilities of criminal justice practitioners, including those found in law enforcement, the judicial system, corrections, and criminology. The course provides a forum for students to discuss and process field experiences, explore current issues pertinent to becoming professionals, and examine career options.

Restrictions: Sophomore standing. CRJ Majors Only.

Offering Location: Lyndon Campus, NVU Online

CRJ 2210 - Death Penalty

Credit(s): 3

This course provides a comprehensive history of the death penalty, including its legal foundations, its justifications, and its empirical, historical, and policy dimensions. Students will explore judicial decisions involving the constitutionality of the death penalty and its administration, relevant social science research findings, and the key arguments for and against capital punishment.

Offering Location: Lyndon Campus

CRJ 2220 - Environmental Justice

Credit(s): 3

This course introduces students to the developing area of green criminology and solutions to environmental problems. Issues addressed include the nature of environmental offenders and victims, the variety of approaches to achieving environmental justice, and criminal solutions to specific environmental problems.

Restrictions: Sophomore standing or permission.

Offering Location: Lyndon Campus

CRJ 2230 - Introduction to Criminal Law

Credit(s): 3

This course examines the development of substantive criminal law. Topics include common law vs. statutory crimes, elements of a crime, parties to a crime, defenses to criminal culpability, as well as selected aspects of the Vermont criminal code.

Prerequisites: CRJ 1010

Offering Location: Johnson Campus

CRJ 2410 - Race, Class, Gender, and Crime

Credit(s): 3

This course examines the issues and theories relating to the administration of justice in a culturally diverse society. Topics may include the challenges of navigating the criminal justice system and the opportunities and challenges of providing criminal justice services within a multicultural society.

Offering Location: Lyndon Campus

CRJ 2510 - Criminal Law

Credit(s): 3

This course is an examination of the evolution and development of substantive criminal law. The topics examined include common law vs. statutory crimes, elements of a crime, parties to a crime, criminal responsibility, and defenses to criminal culpability. Selected portions of the Vermont criminal code are also examined.

Prerequisites: CRJ 1010

Offering Location: Lyndon Campus, NVU Online

CRJ 2710 - Special Topics in Criminal Justice

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 2000-level not offered in the general Criminal Justice curriculum.

Offering Location: Lyndon Campus

Repeatable for Credit: With a change of topic.

CRJ 3070 - Media and Crime

Credit(s): 3

This course allows students to analyze the images of crime and the criminal justice systems being presented through the major mass media within America (Crime dramas, movies, news, etc.). A major topic that will be covered is the media's institutional structure and its portrayal of crime and how this influences citizen's perceptions of it.

Prerequisites: CRJ 1010 or sophomore standing, or permission.

Offering Location: Lyndon Campus

CRJ 3085 - Research Design and Analysis

Credit(s): 3

This course develops the skills to successfully undertake an independent research project within the criminal justice field, and includes the review of historical, descriptive, correlational, experimental, and field-study methods. Topics may include the language and syntax of scientific research as well as sampling, analysis techniques, and the drawing of logical conclusions. The laboratory sessions provide an overview of different statistical tests.

Restrictions: Junior standing.

Offering Location: Lyndon Campus, NVU Online

CRJ 3120 - White-Collar Crime

Credit(s): 3

This course is an exploration of work-related violations of criminal and regulatory law. Topics considered include employee theft and misconduct, "crime in the suites" committed by corporations and corporate officers, and offenses committed by government officials, and medical, legal, and other professionals. Theories of causation and suggested strategies developed to identify and control this serious, but often hidden, crime problem are also examined.

Prerequisites: CRJ 1010

Offering Location: Lyndon Campus

CRJ 3130 - Wrongful Convictions

Credit(s): 3

This course examines wrongful conviction errors in the criminal justice system. Topics may include eyewitness misidentification, invalidated forensic science, false confessions, government misconduct, snitches, and legal misconduct.

Prerequisites: CRJ 2050

Offering Location: Lyndon Campus

CRJ 3145 - Criminal Justice Administration

Credit(s): 3

This course offers an examination of organizational and management theory as it applies to criminal justice agencies. Topics may

include the organizational environment, employee motivation, job design, communication in the workplace, leadership and the use of power, organizational socialization, and managing organizational change.

Restrictions: Junior standing.

Offering Location: Lyndon Campus

CRJ 3155 - Investigation Sciences

Credit(s): 3

This course introduces students to the principles and procedures used in crime scene investigations. Topics covered include: problem solving, scientific approaches to solving crimes, the crime scene search, documenting the crime scene, types of evidence, techniques for recognizing, collecting, and preserving crime scene evidence, and introducing evidence in court.

Prerequisites: CRJ 2010

Restrictions: Junior standing. CRJ majors/minors only.

Offering Location: Lyndon Campus

CRJ 3160 - Juvenile Justice

Credit(s): 3

This course is an examination of the procedures used in dealing with juveniles who come into conflict with the law. The course includes critical appraisal of the history and role of juvenile courts and assessment of correctional strategies currently in use to treat juvenile offenders.

Prerequisites: CRJ 1010

Offering Location: Lyndon Campus

CRJ 3165 - GIS Applications in Criminal Justice

Credit(s): 3

This course introduces students to current GIS platforms for use in data acquisition, spatial analysis, and crime mapping and analysis.

Restrictions: Junior standing or permission.

Offering Location: Lyndon Campus

CRJ 3210 - Punishment and Corrections

Credit(s): 3

This course offers a sociological view of punishment and corrections in the United States and seeks to place the study of jails, prisons, capital punishment, probation, parole, and community corrections in a macro-sociological and historical perspective.

Offering Location: Lyndon Campus

CRJ 3220 - International Criminal Justice

Credit(s): 3

This course examines the different types of criminal justice systems that exist around the world. It examines the interconnections between crime and religion, cultural values, and societal norms. Using historical analysis, the course explores issues in the globalization of criminal justice systems as they deal with murder, terrorism, drug trafficking, prostitution, etc. The course further traces the globalization of U.S. Law Enforcement and provides students with an understanding of the problems and challenges that agencies and personnel face, operating within a foreign criminal justice system, religion, and culture.

Prerequisites: CRJ 1010 or permission.

Offering Location: Lyndon Campus

CRJ 3250 - Terrorism

Credit(s): 3

This course offers an investigation of the context, causes, correlates, consequences, and responses to the crime of terrorism from a variety of perspectives. Individual, group, and organizational factors that shape terrorism and responses to terrorism will be explored. Strategies for reducing the threat of terrorism and its consequences will be examined.

Prerequisites: CRJ 1010 or sophomore standing, or permission.

Offering Location: Lyndon Campus

CRJ 3310 - Applying Restorative Justice Methods

Credit(s): 3

This course explores how relationships can be restored, built, or deepened by recognizing the capacity of the individuals and community to identify and to resolve by implementing restorative principles. Emphasis is placed on the challenges of creating and sustaining restorative environments, initiatives, and resources to support communities in developing safer, healthier, and sustainable relationships.

Prerequisites: CRJ 2150

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

CRJ 3410 - Peace Making

Credit(s): 3

This course surveys the growing field of justice and peace studies. Topics may include historical and contemporary analyses, critical issues of militarism, inequality, and injustice, emphasizing the development of viable alternatives.

Prerequisites: CRJ 2150

Offering Location: Lyndon Campus

CRJ 3710 - Special Topics in Criminal Justice

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 3000-level not offered in the general Criminal Justice curriculum.

Offering Location: Lyndon Campus

Repeatable for Credit: With a change of topic.

CRJ 4020 - Criminal Justice: Who is "Criminal"?

Credit(s): 3

The U.S. criminal justice system has seen dramatic changes in the last several decades. Imprisonment has expanded more than fivefold since the 1980s, and immigration imprisonment has quadrupled since 2001. This intensive seminar examines current developments and controversies confronting the U.S. criminal justice system, with a focus on the "war on drugs" and the expansion of imprisonment -- mass incarceration. The course explores how this has occurred, its consequences, and its attendant dynamics of race and class through recent non-fiction and class screenings of the HBO series *The Wire*, hailed as a masterpiece of U.S. television that dramatically portrays Baltimore's police, the illegal drug trade, and the struggles of urban U.S. neighborhoods.

Offering Location: Johnson Campus

CRJ 4710 - Special Topics in Criminal Justice

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 4000-level not offered in the general Criminal Justice curriculum.

Offering Location: Lyndon Campus

Repeatable for Credit: With a change of topic.

CRJ 4730 - Topical Seminar in Criminal Justice

Credit(s): 1-3

This course introduces students to emerging developments and controversial issues in the field of criminal justice. Students also meet experienced professionals and academic experts in the field, who may serve as future internship supervisors and offer research and career opportunities. This course is repeatable for credit.

Offering Location: Johnson Campus

CRJ 4770 - Criminal Justice Internship Seminar

Credit(s): 1

This course is part of the Criminal Justice capstone experience for seniors and must be taken in conjunction with three credits of

CRJ-4810, Internship in Criminal Justice, which must be arranged the semester prior to the semester when it is to take place. Students will reflect upon and process their experiential learnings, as well as explore current topical issues in criminal justice and related fields.

Prerequisites: CRJ 1010

Corequisites: CRJ 4810

Restrictions: Senior standing or permission of the instructor

Offering Location: Johnson Campus

CRJ 4810 - Internship in Criminal Justice (J)

Credit(s): 1-12

Students plan and complete an approved internship in consultation with their faculty supervisor.

Restrictions: Permission of Internship Coordinator

Offering Location: Johnson Campus

CRJ 4810 - Internship in Criminal Justice (L)

Credit(s): 3-6

This course combines 45 hours per credit of student participation in the operation of one host criminal justice agency with instructor-led seminar meetings held throughout the semester. The course is designed to give upper-level criminal justice majors the opportunity to have responsible work-related experience in the field. Students must apply and be accepted into the internship program by both social science faculty and the supervising agency. Both the social science faculty instructor and the on-site supervisor will provide direction and supervision throughout the internship.

Prerequisites: CRJ 2170

Restrictions: By Permission (contract required).

Offering Location: Lyndon Campus

Repeatable for Credit: Yes, for up to six credits but only 3 may be counted toward program requirements.

Design

Design

DES 1015 - Typography

Credit(s): 2

This course offers a study of the design and use of basic letterforms. Topics may include typographic contrast and characteristics of major type families. Students explore the expressive qualities of type and communications. After the preliminary introduction to type, appropriate projects to demonstrate the specific dynamics and interrelationships of type are assigned.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

DES 1020 - Design

Credit(s): 3

This course provides an in-depth study of composition for two-dimensional design. Students will express concepts in a visual fashion and develop compositional skills through the completion of problem-solving experiences. Instruction includes the fundamentals of color theory and in-depth study of the elements of art and principles of design.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

DES 1025 - Image Manipulation

Credit(s): 3

This course focuses on the use of the design industry's standard electronic image alteration program(s). The instruction consists of exercises that focus on both articulation and visualization of design principles and concepts including manipulating and altering photographic imagery. The instruction includes creative challenges involving typographic and photographic special effects.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

DES 1035 - Vector Graphics

Credit(s): 3

This course concentrates on visual principles and techniques for illustration design using the design industry's standard vector-based illustration program(s). Topics may include the production process, creating and editing paths, and utilizing tools, panels, and keyboard shortcuts for an efficient workflow. Student's work will be critiqued and evaluated on both aesthetic and technical merits.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

DES 1045 - Page Layout

Credit(s): 3

This course covers the technical and creative applications of the industry standard page layout program. The instruction introduces the student to page composition and aesthetic principles involving typographic and spatial interrelationships with exercises involving text manipulation, multi-page document setups, style sheets, and master pages. Instructional emphasis is concentrated on principles of creative layout design as they can be furthered by a technical mastery of this powerful electronic tool.

Prerequisites: DES 1015, DES 1020, and DES 1025.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

DES 1710 - Special Topics in Design

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 1000-level not offered in the general Design curriculum.

Offering Location: Lyndon Campus

Repeatable for Credit: With a change of topic.

DES 2010 - Moving Image Fundamentals

Credit(s): 3

This course focuses on moving image mechanics, video compositing techniques, and motion graphics applications for animation, cinema post-production, and web, app, and game design.

Recommended: DES 1025

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

DES 2015 - Web Design I

Credit(s): 3

This course examines social media and web design and development in commercial and professional environments through the use of current software and scripting languages. Students will also learn how to include interactivity into their web designs.

Prerequisites: CIS 2141, DES 1020, and DES 1025.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

DES 2030 - Fundamentals of Web Design

Credit(s): 3

This course provides students with the fundamentals of web design. Students will learn how to design and produce an image-based web site. Web site rapid-prototyping uses the "What You See Is What You Get" (WYSIWYG) web-design model. This course requires the development of a web site. This course is designed for and open only to non-Visual Arts students.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

DES 2710 - Special Topics in Design

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 2000-level not offered in the general Design curriculum.

Offering Location: Lyndon Campus

Repeatable for Credit: With a change of topic.

DES 3110 - Interactive Media Design

Credit(s): 3

This course explores the practice of interactive media design and game development using current development engines.

Prerequisites: DES 2010 or permission.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

DES 3111 - Print Production

Credit(s): 3

This course addresses the methods related to print production from design to the finished product. Through real-world projects, students gain experience in various printing techniques in prepress, preflighting of files, requests for estimates, and preparation of files for production. Attention will be given to how to work with graphic imaging and printing services to assure print quality.

Prerequisites: DES 1045

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

DES 3112 - Digital Production

Credit(s): 3

This course explores the production and distribution of digital content through websites, social media platforms, and email marketing. Topics may include web file structure, rapid prototyping, image optimization, Internet Service Providers (ISP), File Transfer Protocol (FTP), and domain naming.

Prerequisites: DES 1020 and DES 1025

Recommended: DES 1015

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

DES 3115 - Web Design II

Credit(s): 3

This course explores advanced web design, including e-commerce and portfolio websites. Students will be required to engage in individual and collaborative projects with a web and interactive design emphasis.

Prerequisites: DES 2015

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

DES 3150 - Packaging Design

Credit(s): 3

This course investigates the packaging industry and its impact on the consumer in retail environments. Principles of three-dimensional design will be explored as students design and construct packaging and point-of-purchase displays. Course topics include printing and finishing methods, UPC codes, FDA regulations, merchandising systems, marketing strategies, and brand identity.

Prerequisites: DES 3111

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

DES 3710 - Special Topics in Design

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 3000-level not offered in the general Design curriculum.

Offering Location: Lyndon Campus

Repeatable for Credit: With a change of topic.

DES 4010 - Branding

Credit(s): 3

This course offers an advanced study of design principles by focusing on branding and corporate identity. Individually and in design teams, students will use knowledge of design principles to create flexible design systems. This can include collateral designs, design campaigns, and corporate identity standards.

Prerequisites: DES 3111 or DES 3112.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

DES 4020 - Advanced Typography

Credit(s): 3

This course provides an increased study of the use of type. By mastering type forms, students learn to transform simple communication into visually powerful statements. Students explore space, proportion, rhythm and composition in a variety of print and multimedia formats. This study of type provides a profound look into both the personality to each typeface and the aesthetic principles involved in the selection of type.

Prerequisites: DES 3111 or DES 3112.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

DES 4550 - Design Studio

Credit(s): 3

This course will provide students with advanced team building experience while working collaboratively to gain practical work experience. Students design for not-for-profit organizations under the advisement of a faculty supervisor. Students are expected to follow best practices for workplace and client relations. Students will generate original designs; hold meetings with clients, and produce either a print or digital project or both. Students will negotiate with the necessary vendors to complete each particular project. In addition, focus will be placed on the development of production schedules, job documentation, and other project management skills.

Prerequisites: DES 3111, DES 3112, and permission (with portfolio).

Offering Location: Lyndon Campus

Repeatable for Credit: Once.

Notes: *There is a course fee.*

DES 4710 - Special Topics in Design

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 4000-level not offered in the general Design curriculum.

Offering Location: Lyndon Campus

Repeatable for Credit: With a change of topic.

DES 4810 - Design Internship

Credit(s): 1-6

This course offers students the opportunity to gain "on the job" work experience in design. Job-site supervisors serve as mentors to students, offering their individual expertise and guidance. Students must apply for an internship in advance and meet with their academic advisor to discuss procedural details. A contract must be established between the student, job-site supervisor, and faculty supervisor, subject to the departmental approval.

Prerequisites: DES 3111, DES 3112, and permission.

Offering Location: Lyndon Campus

Repeatable for Credit: Yes, not to exceed 12 credits total.

Notes: *Apply with Portfolio.*

DES 4910 - Independent Study

Credit(s): 1 to 3

This course gives the advanced student an opportunity to work on a special area of interest that is not possible through the standard curriculum.

Restrictions: Permission.

Offering Location: Lyndon Campus

DES 4950 - Design Portfolio

Credit(s): 3

This course, structured for senior design majors, enables students to create, organize and design a portfolio based upon personal strengths and interests, with professional standards, and career expectations in mind. Each student produces a portfolio exhibiting a full range of skills, as the designer possesses.

Restrictions: Senior standing. By permission.

Offering Location: Lyndon Campus

Early Childhood Education

Early Childhood Education

ECE 1710 - Special Topics in Early Childhood Education

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 1000-level not offered in the general Early Childhood Education curriculum.

Offering Location: Online

Repeatable for Credit: With a change of topic.

ECE 2710 - Special Topics in Early Childhood Education

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 2000-level not offered in the general Early Childhood Education curriculum.

Offering Location: Online

Repeatable for Credit: With a change of topic.

ECE 3710 - Special Topics in Early Childhood Education

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 3000-level not offered in the general Early Childhood Education curriculum.

Offering Location: Online

Repeatable for Credit: With a change of topic.

ECE 3820 - Infant and Toddler Techniques

Credit(s): 3

This course provides students with an opportunity to develop teaching skills for working with children age 0-35 months. The course requires students to integrate theories of child development and pedagogical strategies into their teaching practice. Students assume increasing responsibility for curriculum development, classroom management, and instruction in a single setting. There is a field work component.

Prerequisites: EDU 1030 with a C or better, 2000 hours of experience with children age 0-5, and permission.

Offering Location: Online

Notes: *There is a course fee.*

ECE 3830 - Early Childhood Techniques

Credit(s): 3

This course provides students with an opportunity to develop teaching skills for working with young children. The course requires students to integrate theories of child development and pedagogical strategies into their teaching practice. Students assume increasing responsibility for curriculum development, classroom management, and instruction in a single setting. There is a field work component.

Prerequisites: EDU 1030 with a C or better, 2000 hours of experience with children age 0-5, and permission.

Offering Location: Online

Notes: *There is a course fee.*

ECE 3840 - Advanced Early Childhood Development

Credit(s): 3

This course examines the development of young children (Birth-Age 5) with an emphasis on the physical, cognitive, language, social, and emotional domains and the concept of the whole child. This course requires students to apply child developmental theory to teaching and learning best practices for young children.

Prerequisites: EDU 1030 with a C or better, 2000 hours of experience with children age 0-5, and permission.

Offering Location: Online

Notes: *There is a course fee.*

ECE 3850 - Managing an ECE Classroom

Credit(s): 3

This course explores developmentally appropriate classroom management techniques for young children (Birth-Age 5). Topics covered include pro-social child development, teaching social skills, managing challenging behaviors, and the social context of classroom management. The role of the classroom environment in managing behavior and promoting pro-social interactions will be explored. There is a field work component.

Prerequisites: ECE 3820, ECE 3830, and ECE 3840, each with a C or better, or permission.

Offering Location: Online

Notes: *There is a course fee.*

ECE 3860 - Ethical Considerations for Early Childhood Educators

Credit(s): 3

This course provides students with the training necessary to develop skills and knowledge in professional ethics for teachers. Topics explored include the NAEYC Code of Ethical Conduct, how to use professional ethics to guide interactions with families and students, applicable educational laws related to ethical behavior, and the ethics involved in creating a culturally responsive curriculum for students.

Prerequisites: ECE 3820, ECE 3830, and ECE 3840, each with a C or better, or permission.

Offering Location: Online

Notes: *There is a course fee.*

ECE 3870 - Inclusive Teaching for Early Educators

Credit(s): 3

This course explores the methods and best practices for including children special needs in the typical early childhood classroom.

Topics include best practices for inclusion, collaboration with families and other special education team members, and curriculum design that addresses all learners. Teaching children who are English language learners will also be addressed. There is a field work component.

Prerequisites: ECE 3820, ECE 3830, and ECE 3840, each with a C or better, or permission.

Offering Location: Online

Notes: *There is a course fee.*

ECE 3920 - Educational Theory for Teachers of Young Children

Credit(s): 3

This course explores theories of education which relate directly to children age 0-5. Instruction focuses on learning theories, motivation of young children, effective teaching, and instructional planning from a developmental perspective.

Prerequisites: ECE 3850, ECE 3860, and ECE 3870, each with a C or better, or permission.

Offering Location: Online

Notes: *There is a course fee.*

ECE 3940 - Developmentally Appropriate Programming: Infants & Toddlers

Credit(s): 3

This course introduces developmentally appropriate curriculum planning for children birth to age 35 months. The instruction focuses on play-based planning using the Vermont Early Learning Standards, authentic approaches to child assessment, culturally responsive planning, and planning activities across all domains. The role of the classroom environment is also explored.

Prerequisites: ECE 3850, ECE 3860, and ECE 3870, each with a C or better, or permission.

Offering Location: Online

Notes: *There is a course fee.*

ECE 3950 - Developmentally Appropriate Programming: Preschool

Credit(s): 3

This course introduces developmentally appropriate curriculum planning for children age three to five years. The instruction focuses on planning play-based learning activities using the Vermont Early Learning Standards, authentic approaches to child assessment, culturally responsive planning, and planning activities across all domains. The role of the classroom environment is also explored. There is a field work component.

Prerequisites: ECE 3850, ECE 3860, and ECE 3870, each with a C or better, or permission.

Offering Location: Online

Notes: *There is a course fee.*

ECE 4020 - Authentic Assessment of Young Children

Credit(s): 3

This course explores developmentally appropriate techniques of assessment for young children age birth-5 years. Topics include methods of observation, building a body of evidence that support assessment, using alternative assessments, and making learning visible for both children and families. Students will also explore culturally responsive methods of assessment.

Prerequisites: ECE 3920, ECE 3940, and ECE 3950, each with a C or better, or permission.

Offering Location: Online

Notes: *There is a course fee.*

ECE 4040 - Using Inquiry for Math and Science with Young Children

Credit(s): 3

This course explores the best practices for teaching math and science to children age 0-5. Topics include effective methods and approaches for teaching math and science, content specific and cross-curricular lesson planning, and using standards and assessments to inform teaching pedagogy in the classroom. There is a field work component for this course.

Prerequisites: ECE 3920, ECE 3940, and ECE 3950, each with a C or better, or permission.

Offering Location: Online

Notes: *There is a course fee.*

ECE 4080 - Language & Literacy in Early Childhood Classrooms

Credit(s): 3

This course examines emergent literacy development through the lens of the young child's development domains. Instruction will focus on research-based developmentally appropriate strategies for promoting early language and literacy skills. There is a field work component for this course.

Prerequisites: ECE 3920, ECE 3940, and ECE 3950, each with a C or better, or permission.

Offering Location: Online

Notes: *There is a course fee.*

ECE 4710 - Special Topics in Early Childhood Education

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 4000-level not offered in the general Early Childhood Education curriculum.

Offering Location: Online

Repeatable for Credit: With a change of topic.

ECE 4811 - Teaching Early Childhood Education

Credit(s): 12

This course places students in an early childhood classroom for 13 weeks. Students gradually increase their involvement, culminating in a period of full-time teaching under the direction of a qualified supervising teacher. The course involves practical application of teaching principles, knowledge, and understanding of young children and their development.

Prerequisites: ECE 4020, ECE 4040, and ECE 4080, each with a C or better, a passing score on the Praxis Core, a minimum of 3.00 GPA in courses required for the major and a minimum cumulative GPA of 3.00, and permission.

Corequisites: EDU 4730

Offering Location: Online

Notes: *There is a course fee.*

Economics

Economics

ECO 1710 - Special Topics in Economics

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 1000-level not offered in the general Economics curriculum.

Offering Location: Johnson Campus, Lyndon Campus

Repeatable for Credit: With a change of topic.

ECO 2060 - Survey of Economics

Credit(s): 4

This course exposes the student to fundamental economic theory and practice. The course includes exposure to human behavior and decision-making related to the microeconomic concepts of scarcity, availability of resources, supply and demand, opportunity cost, and pricing in competitive and non-competitive markets. Macroeconomic principles covered in this course include aggregate supply and demand, analysis of production, employment and unemployment, monetary and fiscal policy in the US, and stabilization of the economy.

Prerequisites: Math competency

Offering Location: Johnson Campus, Lyndon Campus

ECO 2710 - Special Topics in Economics

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 2000-level not offered in the general Economics

curriculum.

Offering Location: Johnson Campus, Lyndon Campus

Repeatable for Credit: With a change of topic.

ECO 2910 - Independent Study in Economics

Credit(s): 1-12

Students plan and complete an approved independent study in consultation with their faculty supervisor.

Offering Location: Johnson Campus

ECO 3010 - Environmental Economics

Credit(s): 3

Improving the environment usually involves difficult economic choice. Often, as an unintended side effect of economic activity, natural amenities are lost. This course examines why the economic system fails to give sufficient weight to environmental consequences and discusses policies being proposed and implemented for state and federal action to deal with the problem.

Prerequisites: ECO 2060

Restrictions: Junior standing

Offering Location: Johnson Campus

ECO 3030 - Public Finance & Administration

Credit(s): 3

This course introduces students to the intertwined financial and administrative functions of government. On the financial side, the provision of public goods, public budgeting and tax theory are covered. On the administrative side, topics include decision-making criteria, policy analysis and implementation, public regulation and concepts of federalism.

Prerequisites: ECO 2060

Offering Location: Johnson Campus

ECO 3710 - Special Topics in Economics

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 3000-level not offered in the general Economics curriculum.

Offering Location: Johnson Campus, Lyndon Campus

Repeatable for Credit: With a change of topic.

ECO 4710 - Special Topics in Economics

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 4000-level not offered in the general Economics curriculum.

Offering Location: Johnson Campus, Lyndon Campus

Repeatable for Credit: With a change of topic.

ECO 4810 - Internship in Economics

Credit(s): 1 - 6

The internship provides for field work in economics arranged in conjunction with the Cooperative Education Office. The student is placed in a work site that will provide practical, career-oriented experience under the supervision of an employer and a faculty member who will make on-site visits. The internship emphasizes acquisition of job-related skills and the role of professionals in the discipline. See also the section on Cooperative Education elsewhere in this catalog.

Restrictions: Junior standing and permission.

Offering Location: Lyndon Campus

ECO 4910 - Independent Study in Economics

Credit(s): 1-12 (Johnson); 3 (Lyndon)

This course offers independent research under the supervision of a member of the department.

Restrictions: Junior or senior standing; and permission of instructor.

Offering Location: Johnson Campus, Lyndon Campus

ECO 4920 - Research in Economics

Credit(s): 3

This course offers independent research in economics under the supervision of a faculty member. A research question and design must be approved by the faculty advisor before registration.

Restrictions: Junior standing and permission.

Offering Location: Lyndon Campus

Education

Education

EDU TEW1 - Teacher Education Workshop 1: Introduction to Teacher Education

Credit(s): 0

This is a mandatory workshop for students intending to seek teaching licensure endorsement and should be attended during the first semester at Northern Vermont University-Johnson. Students learn about the requirements of the teacher-education programs, including specific courses needed for each program, the Vermont teacher-examination requirements (PRAXIS, SAT or ACT), grade requirements, practica, portfolio, etc. Students will learn how to apply for each teacher-education program. This is a 1.5 hour workshop offered in many sections each semester.

Offering Location: Johnson Campus

EDU TEW2 - Teacher Education Workshop 2: Application for Practicum I

Credit(s): 0

This is a mandatory workshop for students intending to seek teaching licensure endorsement. Students learn about applying for a Practicum I placement for their teacher-education program. Students must have a passing score on the PRAXIS I or CORE examination or an equivalent SAT or ACT score in order to pass this course and enroll in Practicum I. They also must have a cumulative GPA of 2.75 and suitable grades in all courses as determined by their program. Students should complete the application for a teacher-education program, including an entry interview with the program director, before attending the workshop. Students must attend this workshop the semester before they wish to enroll in Practicum I, typically while enrolled in EDU 2370.

Prerequisites: EDU TEW1

Offering Location: Johnson Campus

EDU TEW3 - Teacher Education Workshop 3: Application for Practicum II

Credit(s): 0

This is a mandatory workshop for students intending to seek teaching licensure endorsement. Students learn about applying for a Practicum II placement for their teacher-education program. Suitable grades in all courses as determined by your program are required. Students should attend this workshop the semester before they wish to enroll in Practicum II, typically while enrolled in EDU 3440, and should register a semester in advance of attending.

Prerequisites: EDU TEW2

Offering Location: Johnson Campus

EDU TEW4 - Teacher Education Workshop 4: Application for student teaching

Credit(s): 0

This is a mandatory workshop for students intending to seek teaching licensure endorsement. Students learn about applying for a student-teaching placement for their teacher-education program. Students must have a passing score on PRAXIS II (by Oct. 15 for a spring placement; by March 15 for a fall placement) in order to pass this course and receive a placement. Students also must have a cumulative GPA of 3.0, a major GPA of 3.0, and suitable grades in all courses as determined by their program. Students must attend this workshop the semester before you wish to enroll in student teaching, typically while enrolled in Practicum II, and should register a semester in advance of attending. There are three mandatory meetings on campus for this course: The student teaching Application Meeting, a Midway Interview and the student teaching Orientation Meeting. Each is offered once a semester.

Prerequisites: EDU TEW3

Offering Location: Johnson Campus

EDU TEW5 - Teacher Education Workshop 5: Application for a Verification Check

Credit(s): 0

This is a mandatory workshop for students intending to seek teaching licensure endorsement that must be attended during the student-teaching semester; register a semester in advance of attending. Students learn about applying for a verification check and a recommendation for licensure for their teacher-education program, which requires satisfying all requirements that are in place at the time they complete a program. Students will schedule an exit interview with the program director. Portfolios are due during the student teaching semester; no portfolios are accepted for review more than one year after the completion of the student teaching semester. This workshop is held once a semester on campus.

Prerequisites: EDU TEW4

Offering Location: Johnson Campus

EDU 1015 - FYS: The Common Book for the Common Good: Enacting Change through Critical Service

Credit(s): 3

This FYS focuses on exploring and enacting social and political change through the lens of education. In conjunction with a close read of the Common Book, participants will identify a social or political issue and research its impact on the community. Students will learn about the process of developing and facilitating critical service learning projects and will apply this knowledge to create a service project that will be carried out in the spring semester.

Offering Location: Johnson Campus

EDU 1020 - The Human Endeavor

Credit(s): 3

This is an experiential, competency-based course designed to introduce students to higher education and Johnson State College. The main objective of the course is to ensure student success and to improve skills in writing, reading, critical thinking, research and self-awareness.

Offering Location: Johnson Campus

EDU 1025 - Introduction to the Major

Credit(s): 3

This course introduces Education majors to the intellectual and social environment of college. Through a variety of learning activities students will be challenged to reflect on their learning styles, to think critically about a variety of issues, and to develop time management and study skills requisite for success in college. Students will be oriented to the myriad of requirements they must meet as well as the supports available to assist them on their path toward graduation.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

EDU 1030 - Introduction to Early Childhood Education

Credit(s): 3

This course familiarizes the student with early childhood education, and the way early childhood can provide experiences for young children that enhance the development of the whole child. The instruction offers a study of the pedagogy, history, and philosophy of early childhood education, and an exploration of the behavioral characteristics of young children which students then observe in early childhood settings. The course stresses developmentally appropriate models of program delivery to young children and their families. It also introduces curriculum design, as an integrative process that includes structuring learning environments and experiences responsive to children's interests and needs through play and exploration. The instruction includes strategies for adapting the learning environment and modifying instruction to make curriculum accessible to all children. There is a field work component.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

EDU 1035 - Academic Peer Coach Training

Credit(s): 1

Academic Peer Coach (APC) Training is a one-semester course designed to meet the general requirements for academic peer coach training as well as the criteria for the College Reading and Learning Association (CRLA) Tutor Certification, level 1. Academic Peer Coaching is a form of "peer-tutoring" that takes into consideration the overall needs of learners. This style of coaching addresses several areas including: consistency of contact, cognitive growth toward an open mindset, critical thinking, session possibilities and limitations, meeting students where they are at, and time management. Coaches are trained in these areas to support learners' academic skills, habits, capabilities, and independence.

Prerequisites: Permission of instructor and completion of a peer coaching application (available through the Academic Support Services Office).

Offering Location: Johnson Campus

EDU 1110 - FYS: Critical Thinking in an Age of Media Confusion

Credit(s): 3

Although thinking styles can be described by different people, it is ultimately a unique process which can change over time. However, by gaining an awareness of one's own motivations, interests and aptitudes at the beginning of their college experience, students understand how they learn/think in order to assist in course choices and identify life goals. What motivates and interests you? Is it tactile? Is it conceptual? Is it visual? Is it audio? Do you make it? Do you play it? Do you share it? This seminar will help you explore and articulate several aspects of your ways of thinking and learning.

Restrictions: First-year students only

Offering Location: Johnson Campus

EDU 1310 - Introduction to Communication Disorders for Paraeducators

Credit(s): 1

This course introduces the participant to the nature of communication disorders that affect children, from preschool through adolescence. Participants are introduced to techniques used by paraeducators to remediate and manage these disorders.

EDU 1710 - Special Topics in Education

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 1000-level not offered in the general Education curriculum.

Offering Location: Johnson Campus, Lyndon Campus

Repeatable for Credit: With a change of topic.

EDU 2010 - Foundations of Education

Credit(s): 3

This course provides a survey of the history, philosophy, and contemporary issues in education. Topics to be explored include: curriculum development, multiculturalism and diversity, educational reform, and the political and social forces that shape contemporary education in the United States. Students will have the opportunity to explore education as a career, develop an initial philosophy of education, and discuss current issues and problems related to the field. There is a field work component.

Offering Location: Lyndon Campus

EDU 2120 - Children with Disabilities

Credit(s): 3

This course addresses the concept of disability through an investigation of children with disabilities. The etiology and cognitive, social, emotional, and physical characteristics of individuals with high incidence disabilities (e.g. intellectual disabilities, learning disabilities, speech/language impairments, and emotional disturbance), low incidence disabilities (e.g. visual/hearing impairments, and physical disabilities), and "increasing incidence" disabilities (e.g. autism spectrum disorders, traumatic brain injury, and attention deficit hyperactivity disorder) are studied from individual, family, school, community, sociological and historical perspectives. The effects of increased awareness, greater knowledge, medical advances, improved educational practices, and changes in social values are emphasized. There is a field work component.

Offering Location: Lyndon Campus

EDU 2155 - Disability & Identity Studies in Media

Credit(s): 2

The purpose of this course is to introduce the elements of critical disability studies, as well as related identity studies such as race, gender, and sexuality, and to apply them to modern media. Students will learn the theories of disability and identity studies and to apply them with a critical eye to films, television, and literature. Students will be encouraged to think critically about their own identities and representation and to develop a vision of an inclusive society.

Offering Location: Johnson Campus

EDU 2270 - Classroom and Behavior Management

Credit(s): 3

This course provides instruction on research-based classroom management and individual behavior management strategies. Historical aspects of modern methods and new research-based approaches to effective and positive classroom management strategies, such as Positive Behavior Interventions & Supports (PBIS), will be addressed. Throughout the course, functional behavior assessment (FBA) will be covered and comprehensive behavior management plans will be developed. Additionally, this course will explore how culture can influence student and teacher behavior and will examine culturally competent classroom management strategies. There is a field work component.

Prerequisites: EDU 2010 and EDU 2120, each with a C+ or better, or permission.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

EDU 2315 - Technology in the Classroom

Credit(s): 1

This course examines the use of instructional and assistive technologies available for teachers to enhance and supplement their instruction in the classroom. Students will explore and use different tech-related products while considering the ethical and personal responsibilities of teachers in regards to technology in the classroom.

Prerequisites: EDU 2010 with a C+ of better, or permission.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

EDU 2360 - Perspectives on Learning in a Diverse Society

Credit(s): 3

Students will study the processes of learning and thinking from a variety of perspectives through historical, philosophical, psychological, anthropological and sociological lenses. Activities include a study of one's own approach to learning, inquiry into the learning processes of others and an examination of the relationship between individual learning and social context. Emphasis will be placed on how social and cultural values, beliefs and norms affect learning across a diversity of individuals in a variety of settings, for example formal institutions and informal associations. Aspects of contemporary instruction for learning will be considered, such as perception and creativity, place-based learning and inclusion.

Offering Location: Johnson Campus

EDU 2365 - The Ecology of Human Experience: Development, Culture & Identity

Credit(s): 3

This course examines individual identity development within particular social and cultural systems from birth through young adulthood. We will examine the means by which factors such as relationships, gender, ethnicity, race, sexuality, ability, economics and value systems affect how individuals come to define themselves. Our aim is to examine the local and global forces that shape a human ecological system and how it, in turn, shapes and is shaped by individual identity development. Special

attention will be placed on the implications of identity development and anti-discriminatory practice for educators working with diverse populations. Strategies for promoting healthy development across the ages are considered, such as social play activities, arts integration, physical and adventure activities, intercultural exchanges, environmental and social justice advocacy projects, etc.

Offering Location: Johnson Campus

EDU 2370 - The Contemporary School

Credit(s): 3

This course examines the conditions and characteristics of contemporary schooling in the U.S. and other countries. Through comparative educational studies and historical, political and economic perspectives, students study the processes by which schools and societies are co-constructive. Of specific interest are how cultural norms and beliefs, social conditions and historical trends affect school climate, curriculum, instructional practices, assessment and inclusion. In particular, using educational tools of inquiry, students will learn to systemically analyze a learning environment using frameworks of equity and excellence. Students conduct a collaborative fieldwork project in a local school. 20 hrs. of fieldwork required.

Prerequisites: EDU 2360; EDU 2365; EDU TEW1; ENG 1071 or equivalent

Offering Location: Johnson Campus

EDU 2710 - Special Topics in Education

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 2000-level not offered in the general Education curriculum.

Offering Location: Johnson Campus, Lyndon Campus

Repeatable for Credit: With a change of topic.

EDU 2855 - Practicum for Paraeducators

Credit(s): 1-3

Participants work as a member of a collaborative team to assist and teach students. An emphasis is placed on implementing teacher-planned instruction and behavior management strategies, sensitivity to individual, family and cultural differences and inclusive education. Working in conjunction with a college supervisor and a cooperating teacher, participants also develop and implement a special project designed to enhance skills specific to their work and interests.

Restrictions: Permission.

Offering Location: Lyndon Campus

Repeatable for Credit: Yes, but no more than 3 credits can be used toward degree requirements.

Notes: *There is a course fee.*

EDU 2910 - Independent Study in Education

Credit(s): 1-12

Students plan and complete an approved independent study in consultation with their faculty supervisor.

Offering Location: Johnson Campus

EDU 3020 - Educational Psychology

Credit(s): 3

This course examines how psychological principles apply to teaching and learning. The course covers learning theories, motivation, effective teaching, evaluation, and instructional planning from a developmental perspective. There is a field work component.

Offering Location: Lyndon Campus

EDU 3025 - Evaluating Characteristics of Diverse Learners

Credit(s): 3

The purpose of this course is to examine theoretical and practical applications of diagnosing and assessing education disabilities and academic strengths and limitations. Students will learn to use assessment procedures to identify students' strengths and limitations to assist in developing appropriate accommodations and interventions. Students will develop effective goals for individualized education plans. Experience in selecting, administering, scoring and interpreting formal standardized tests will be provided.

Offering Location: Johnson Campus

EDU 3032 - Language, Culture, Literature, & Education

Credit(s): 3

This course addresses language in the context of the family, community and schools. How does language affect who we are, how we see ourselves and who we become? What is the relation between language, culture, literature and human development? Information is integrated in the context of teacher awareness and the mandate of public education to provide culturally sensitive instructional choices for all learners. Providing for the needs of English Language Learners (ELL) birth through 6th grade is emphasized.

Restrictions: Permission of instructor

Offering Location: Johnson Campus

EDU 3070 - Secondary School Observation

Credit(s): 1

This course requires students to complete 30 hours of observations in secondary school classrooms. Students will observe, record, and analyze student and teacher behavior.

Offering Location: Lyndon Campus

EDU 3100 - Literacy Intervention, Assessment & Strategies

Credit(s): 3

This course will examine theories on the development of literacy and the factors that contribute to reading difficulties. Students will learn to implement effective assessment monitoring and instructional techniques for working with students with literacy needs.

Offering Location: Johnson Campus

EDU 3110 - Literature for Children

Credit(s): 3

Students in this course examine literature for children of different age groups and reading levels. Critical selection and evaluation, as well as the creative use of literature, are an integral part of the course.

Offering Location: Johnson Campus

EDU 3112 - Instructional Dynamics for the Elementary Educator: Curriculum, Instruction & Assessment for Integrated, Engaging & Creative Learners; Part III: Unified Arts for Diverse Learners

Credit(s): 3

This course examines the process and principles of instruction with specific attention to the aims of an integrated unified arts environment. Along with instructional theory and strategies, topics include aesthetics, movement, play, critique and other creative aims as they enhance engagement and support development. The course also addresses literacy strategies for technical subjects. Using lesson study and professional learning communities, students will work together to develop, teach, and assess integrated and standards-based lessons. This is achieved through two supervised school practicums, one at grades K-6 and one at grades 7-12, for a total of 30 hours over the course of the semester.

Prerequisites: EDU 2370; EDU TEW2; overall 2.75 or higher GPA; pass PRAXIS I; permission of program director

Offering Location: Johnson Campus

EDU 3125 - Technology for Integrating Instruction

Credit(s): 3

This course guides the integration of technology into student teaching experiences. Discussions revolve around implications and the impact of technology on the learning process. Technology will be studied on the visible, hands-on level, as well as how it can be employed to support teacher productivity and scaffold student learning.

Corequisites: EDU 4630 or permission of instructor

Offering Location: Johnson Campus

EDU 3140 - Partnering with the Adolescent Learner to Promote Student Engagement

Credit(s): 4

Without engagement, classrooms become passive places of instruction as opposed to rich learning environments. This course introduces students to multiple frameworks developed to engage and motivate the adolescent learner and asks students to apply these frameworks through weekly practicum work at an area secondary school. Specific topics of study include: Cambourne's Framework of Engagement, Partnering Pedagogy, Assessment, Classroom Management and Lesson Study.

Prerequisites: EDU 2370; EDU TEW2; overall 2.75 or higher GPA; pass PRAXIS I; permission of program director

Offering Location: Johnson Campus

EDU 3150 - Secondary Teaching Process

Credit(s): 3

This course requires students to apply educational and psychological principles to the teaching and learning process at the secondary level. Instruction will cover a variety of topics important to secondary education, including but not limited to, classroom management, teacher evaluation, and reflective practice. Students will identify, use and evaluate a variety of instructional strategies. Portfolio development is an integral part of this class. There is a field work component.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

EDU 3185 - Differentiated Instruction & Assessment

Credit(s): 3

This course provides instruction in the methods and materials appropriate for teaching students with diverse needs in an inclusive classroom. Models of designing an inclusive classroom, including universal design for learning and differentiated instruction, are examined with an emphasis on using assessment data to inform instruction. This course will also help to develop the understanding and skills needed to validly, reliably, and accurately use classroom assessments for learning. There is a field work component.

Prerequisites: EDU 2010 and EDU 2120, each with a C+ or better, or permission.

Offering Location: Lyndon Campus

EDU 3240 - Literacy Development in the Content Area

Credit(s): 3

This course concentrates on the principles, techniques, and materials for developing literacy in the middle and secondary schools. It focuses on specific reading, writing, and study skills needed within the various content areas taught in the middle and secondary schools.

Offering Location: Lyndon Campus

EDU 3265 - Instructional Dynamics for the Elementary Educator - Curriculum, Instruction & Assessment for Integrated, Engaging & Creative Lessons; Part I: Language, Literacy, & Literature for Diverse Learners

Credit(s): 3

Language, literacy and literature for diverse learners are explored in the context of an elementary school classroom. The course requires the development, teaching and assessment of integrated, engaging and creative lesson plans for fully inclusive classrooms. Topics addressed at an introductory level include: language development (oral and written) as it relates to reading and writing, phonemic awareness, phonics, vocabulary, morphology, reading comprehension and fluency. Assessment, identification and intervention for reading and writing skills are introduced. Students will observe and participate in an assigned elementary school classroom under the supervision of a licensed teacher during a 60-hour practicum shared with EDU 3266 Instructional Dynamics for the Elementary Educator - Curriculum, Instruction & Assessment for Integrated, Engaging & Creative Lessons; Part II: Numeracy & Quantitative Reasoning for Diverse Learners. (Spring semesters)

Prerequisites: EDU 2370; EDU 3032; EDU TEW2; overall 2.75 or higher GPA; pass PRAXIS I; permission of program director

Offering Location: Johnson Campus

EDU 3266 - Instructional Dynamics for the Elementary Educator - Curriculum, Instruction & Assessment for Integrated, Engaging & Creative Lessons; Part II: Numeracy & Quantitative Reasoning for Diverse Learners

Credit(s): 3

This course provides students with the opportunities to explore mathematical thinking and examine ways in which teachers support this thinking. The focus will be on how mathematical understanding develops as children learn mathematics in inclusive classrooms. This course will involve observation of math lessons, lesson planning, practice teaching and lesson study as well as reading and informal and formal papers. Students will observe and participate in an assigned elementary school classroom under the supervision of a licensed teacher during a 60-hour practicum shared with EDU 3265 Instructional Dynamics for the Elementary Educator - Curriculum, Instruction & Assessment for Integrated, Engaging & Creative Lessons; Part I: Language, Literacy, & Literature for Diverse Learners.

Prerequisites: EDU 2370; MAT 2021; EDU TEW2; overall 2.75 or higher GPA; pass PRAXIS I; permission of program director

Offering Location: Johnson Campus

EDU 3300 - Introduction to Classroom Management

Credit(s): 1

Advanced research, theories and practices of classroom management at elementary, middle and high school levels are studied in this course.

Restrictions: Permission of department chair

Offering Location: Johnson Campus

EDU 3311 - Foundations of Inclusive Practices

Credit(s): 3

This course examines the social construction of disability in society, the characteristics of diverse learners and the strategies to address these characteristics. The course will focus on methods of universal instruction to promote an inclusive education. Students will gain knowledge of the contemporary models of special education, the related laws and regulations guiding these

models and the policies governing these practices.

Prerequisites: EDU 3265 or EDU 3266 or EDU 3112 or EDU 3140

Offering Location: Johnson Campus

EDU 3350 - Foundations of Language and Literacy Instruction

Credit(s): 3

This course focuses on the content knowledge requisite for teaching students, including English Language Learners, to effectively receive and express thoughts and ideas through oral and written language. Teacher candidates will learn about the structure of English language, and understand the processes by which students learn to read and write.

Prerequisites: EDU 3020 and ENG 2540, each with a C+ or better, or permission.

Offering Location: Lyndon Campus

EDU 3360 - Promoting Inventive Thinking: Integrating Multimodal Literacy Across the Curriculum

Credit(s): 3

This course examines modern definitions of literacy through an exploration of the following literacies: information literacy, multicultural literacy, media literacy and critical literacy. Students will learn how these literacies relate to their content area instruction and discover ways to use them to promote high level thinking skills and creativity in their students. Digital reading comprehension, interactive pedagogy, multiliteracies, new literacies and the use and creation of multimodal texts are examples of some of the specific topics that will be examined in detail.

Prerequisites: EDU 3140

Offering Location: Johnson Campus

EDU 3425 - GeoCultural Studies

Credit(s): 3

This course explores the intersection of history, culture, geography and economics as students engage in individual and group inquiry projects related to national and international peoples and places. The course will place equal emphasis on learning and engaging in the inquiry process and exploring geocultural themes.

Offering Location: Johnson Campus

EDU 3440 - Teaching Toward Democracy

Credit(s): 3

This course studies the practice of teaching throughout history, across cultures and among diverse settings. Teaching is examined as a sociopolitical endeavor with specific consideration of its professional, ethical and legal context. Students learn to analyze the means by which social values shape the work of teaching, with particular attention to the role of assessment. Attention is drawn to educational agents, educational policies and educational practices that have moved schooling toward more equitable and inclusive practice. Students conduct a collaborative fieldwork project with the goal of teaching toward democracy. 20 hours of

fieldwork required.

Prerequisites: EDU 3265 or EDU 3266 or EDU 3112 or EDU 3140

Offering Location: Johnson Campus

EDU 3445 - Applied Mechanics I

Credit(s): 3

Beginning with a review of the basic principles of physical processes, this course introduces students to the design procedures for mechanical operations and problem solving. With consideration of social context, scientific methods, and principles of engineering, students learn when and how mechanics are useful for addressing real-world problems. The social and ethical effects of science and engineering are considered.

Prerequisites: PHY 2031

Offering Location: Johnson Campus

EDU 3460 - Literature & Media for Children & Youth

Credit(s): 3

This course examines a wide range of literature and media for children and young adults. Participants study literature selections for different reading levels across age groups and learn to conduct text analysis while building an understanding of literature as an intersection of aesthetics, semiotics, culture, literacy, and learning.

Offering Location: Johnson Campus

EDU 3510 - Differentiating Instruction, Assessment & Spec Ed Law

Credit(s): 3

This course provides instruction in the methods and materials appropriate for teaching students with special learning needs in the inclusive classroom. Models of designing an inclusive classroom, including universal design and differentiated instruction, are studied with an emphasis on using assessment data to inform instruction. The course provides an introduction to special education law and the special education process. This offers students an opportunity to participate in the development of the Individualized Education Program and to work collaboratively as a member of the Evaluation and Planning team.

Prerequisites: EDU 2010, EDU 2120, and sophomore standing.

Offering Location: Lyndon Campus

Notes: *There is a course fee. Licensure students take the Praxis II test as a program requirement.*

EDU 3525 - Teaching Math and Science

Credit(s): 3

This course explores the best practices for teaching math and science. Topics examined include effective methods and approaches for teaching math and science, content specific and cross curricular lesson planning, and using standards and assessments to inform teaching pedagogy in the classroom. There is a field work component for this course.

Prerequisites: EDU 3185 and MAT 2010, each with a C+ or better, or permission.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

EDU 3530 - Social Science Methods

Credit(s): 2

This course, using elementary social studies as a basis, provides instruction in developing learning opportunities and multiple assessments that support children in attaining educational standards. "Best practice" instruction is modeled and practiced by the students. A balanced variety of assessment strategies are examined.

Prerequisites: EDU 3020 and EDU 3185, each with a C+ or better, or permission.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

EDU 3540 - Teaching Literacy in the Elementary Classroom

Credit(s): 3

This course examines the instructional strategies, curriculum methods, and resources used in teaching literacy in elementary classrooms. There will be an in-depth examination of the components of effective reading and writing instruction as identified by research. Course content will include effective instructional practices for differentiating instruction for students with differing learning abilities including English Language Learners. Use of formative assessment to inform instruction will be emphasized, and links to national and state standards for student learning will be made throughout the course. There is a field work component.

Prerequisites: EDU 3350 with a C+ or better, or permission.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

EDU 3570 - Dynamic Symmetry

Credit(s): 3

This course examines the principles and applications of design for engineering. Through a study of the principles of design in nature, art, architecture, engineering, social interactions, education, communication, and organizational systems, students learn to see their world geometrically, dynamically, and aesthetically. Students will be able to use this understanding to design more interesting, inspiring, and effective projects across disciplines. Students will learn strategies for introducing the principles of engineering design to new settings, including youth venues emphasizing STE/AM education. This interdisciplinary course examines cross-cutting concepts from design, engineering, art, science, social systems, education, and organizational studies. This course is included in the Aesthetic Perspective of JSC's General Education Program: A Program of Integrative Understanding. It explores the human experience of artistic and natural forms.

Offering Location: Johnson Campus

EDU 3710 - Special Topics in Education

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 3000-level not offered in the general Education curriculum.

Offering Location: Johnson Campus, Lyndon Campus

Repeatable for Credit: With a change of topic.

EDU 3730 - Educational Laws & Regulations

Credit(s): 1

This course provides students with an overview of educational laws and regulations for educators. Through this course students will examine the historical events such as key case laws, civil rights acts, and federal regulations that shaped current educational laws and regulations. Students will learn about key laws and regulations pertaining to educational records, mandated reporting, educational interventions and plans, regulations for the evaluation and identification of students suspected of having a disability, accommodation plans for students who have special needs, and the provision of special education services to students found eligible for special education services.

Prerequisites: EDU 2010 and EDU 2120, each with a C+ or better, or permission.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

EDU 3750 - Literature for Children

Credit(s): 3

This course examines the use of children's literature, including informational texts, as an instructional tool in the elementary classroom. Key concepts will include assessing text complexity, using literature to explore cultural diversity, and effective strategies for sharing texts with children of different age groups and reading levels.

Prerequisites: EDU 3540 with a B- or better, or permission.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

EDU 3810 - Apprenticeship Fieldwork

Credit(s): 4

This course emphasizes working collaboratively with one's colleagues, developing teaching skills that address the needs of all children, and developing teaching an effective teaching style. Each student is assigned two mentors - a professor and a teacher in the field - to introduce her or him to all aspects of teaching. The mentors work closely with the student in the field demonstrating techniques and observing and evaluating the student's performance.

Prerequisites: EDU 2120, EDU 2010, EDU 3020, EDU 3350, EDU 3525, EDU 3530, EDU 3540, acceptance to the Elementary Education major, a passing score on Praxis Core, and a GPA of 2.70.

Corequisites: EDU 3510 or permission.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

EDU 3811 - Instructional Practicum

Credit(s): 3-6

Students are assigned to work with a cooperating teacher in a school under the guidance of a college supervisor. Students provide individual, small group and whole class instruction. Using educational literature and best practices, they design, instruct and assess formal, standards-based lessons in their content area. As well, they participate in and contribute to the general operation of the classroom and school. Students receive critique and feedback from the classroom teacher and the supervisor, and construct a professional self-assessment. The course involves regular meetings with the supervisor. Practicum hours vary by program.

Restrictions: Permission of instructor

Offering Location: Johnson Campus

EDU 3820 - Special Education Practicum

Credit(s): 3

The purpose of this course is to expand one's understanding of what constitutes an appropriate special education. In keeping with the model of family centered care, the student works closely with the family of an exceptional child. The student and family members then create learning opportunities based not on predetermined school standards, but on the child's and family's interests and strengths. On campus meetings provide an opportunity to reflect upon the experience.

Offering Location: Lyndon Campus

EDU 3825 - Teaching Over Time: Curriculum Development

Credit(s): 3

This course assists students in developing, planning, implementing, and evaluating lessons and units of instruction that are aligned with the Common Core State Standards (CCSS) and other applicable standards (e.g. NET-S, ASCA, NGSS). Coursework becomes the basis for, or is similar to, lessons and units that students will utilize in their Teaching Apprenticeship (EDU 4475) and include in their licensure portfolio for Vermont Educators. Managing time efficiently and utilizing formative assessment strategies and appropriate instructional materials/resources are emphasized. There is a field work component.

Prerequisites: EDU 3525, EDU 3530, and EDU 3540 each with a B- or better, or permission.

Offering Location: Lyndon Campus

EDU 3830 - Early Childhood Techniques

Credit(s): 3

This course promotes the development of teaching skills for working with young children. Students will integrate theories of child development and pedagogical strategies into teaching practice. Students assume increasing responsibility for curriculum development, classroom management, and instruction in a single setting. There is a field work component.

Prerequisites: EDU 1030 with a C+ or better, or permission.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

EDU 4015 - Educational Travel

Credit(s): 1-3

This course provides students the opportunity to enhance their education through travel. Relevant cultural, historical, and natural sites will be explored. Students will be required to attend meetings before and after the trip, research sites to be visited, record observations, and write a final paper.

Restrictions: Permission.

Offering Location: Lyndon Campus

Repeatable for Credit: With a change of location.

Notes: *There is a course fee.*

EDU 4020 - Methods of Teaching Secondary English

Credit(s): 3

This course explores teaching methods and techniques in the classroom for students preparing to teach English in grades 7-12, as well as preparation, implementation, and assessment of curriculum in secondary English. It also covers the teacher's relationship with the school and the community. There is a field work component.

Prerequisites: EDU 3150

Offering Location: Lyndon Campus

EDU 4025 - Methods of Teaching Secondary Mathematics

Credit(s): 3

This course explores teaching methods and techniques in the classroom for students preparing to teach mathematics in grades 7-12, as well as preparation, implementation, and assessment of curriculum in secondary mathematics. It also covers the teacher's relationship with the school and the community. There is a field work component.

Prerequisites: EDU 3150

Offering Location: Lyndon Campus

EDU 4030 - Methods of Teaching Secondary Social Studies

Credit(s): 3

This course explores teaching methods and techniques in the classroom for students preparing to teach social studies in grades 7-12, as well as preparation, implementation, and assessment of curriculum in secondary social studies. It also covers the teacher's relationship with the school and the community. There is a field work component.

Prerequisites: EDU 3150

Offering Location: Lyndon Campus

EDU 4040 - Methods in Teaching Secondary Science

Credit(s): 3

This course explores teaching methods and techniques in the classroom for students preparing to teach science in grades 7-12, as well as preparation, implementation, and assessment of curriculum in secondary science. It also covers the teacher's relationship with the school and the community. There is a field work component.

Prerequisites: EDU 3150

Offering Location: Lyndon Campus

EDU 4050 - Teaching Diverse Learners: Strategies, Assessment, Law

Credit(s): 3

This course introduces students to the special education process including the development of the Individualized Education Program. The course explores effective methods for individualizing instruction and modifying curriculum to meet the needs of students with special needs. Students are taught to use assessment data to guide recommendations in the classroom setting.

Offering Location: Lyndon Campus

EDU 4051 - Strategies to Promote Inclusive Practices

Credit(s): 3

This course addresses the strategies to promote inclusive practices in the classroom. The course will review basic remedial principles, specific teaching methods, principles of universal instruction, lesson planning, and IEP development for students with unique learning characteristics. The course will also address the causes of emotional problems in school-aged children. Students will review specific behavior and adjustment problems and study appropriate classroom management and educational procedures. Emphasis will be placed on functional behavior assessment, positive behavior intervention plans and positive behavior instructional supports.

Offering Location: Johnson Campus

EDU 4070 - Teaching Students with Special Needs: Elementary Emphasis

Credit(s): 3

This course reviews the etiology, characteristics, and evaluation of individuals diagnosed as learning impaired or learning disabled. The course studies current research and practice regarding teaching strategies, instructional modifications, curriculum, and transitional planning, supervising paraprofessionals, and collaboration with other professionals.

Prerequisites: EDU 3185 and EDU 3730, each with a B- or better, or permission.

Offering Location: Lyndon Campus

EDU 4080 - Language & Literacy in Early Childhood Classrooms

Credit(s): 3

This course examines emergent literacy development through the lens of the young child's developmental domains. Instruction will focus on research-based developmentally appropriate strategies for promoting early language and literacy skills. There is a field work component for this course.

Prerequisites: EDU 3525 with a B- or better, or permission.

Offering Location: Lyndon Campus

EDU 4130 - Implementing Content Specific Methods in a Secondary Classroom

Credit(s): 4

This course serves as a pre-practicum experience for secondary education students. As such, students will spend the majority of time working side-by-side with a licensed educator at a local secondary school. Academic study accompanying this pre-practicum experience will focus on instructional and assessment methods specific to a student's content area major.

Prerequisites: EDU 3360; EDU 3311; EDU TEW3

Offering Location: Johnson Campus

EDU 4250 - e-Portfolio Development

Credit(s): 1

This course will assist students in developing the e-Portfolio required for licensure. Students will demonstrate reflective practice through the artifacts that are included in the portfolio.

Corequisites: ECE 4811, EDU 4811, or EDU 4880.

Offering Location: Lyndon Campus

EDU 4310 - The Art of Experience in Education: Designing for Engagement & Accomplishment through the Unified Arts

Credit(s): 3

This course examines curriculum theory and practice across time and through a variety of frameworks with specific attention to the role of experience and the unified arts. Topics include knowledge and understanding, processual and experiential learning, and engagement and motivation. A variety of designs are introduced and analyzed, such as theme-based, learner-centered, problem-oriented and critical approaches, as well as inclusion, differentiation, multiculturalism, cooperative learning, backward design and integration. Students will study the process of constructing content units employing Universal Design for Learning, with attention to technical literacy, diversity and adaptation. This course provides a 40-60 hour supervised practicum in a local

school accompanied by a regular seminar. An application for the practicum should be submitted during the prior semester.

Prerequisites: EDU 3112; EDU 3311; EDU TEW3

Offering Location: Johnson Campus

EDU 4368 - Classroom Strategies Practicum

Credit(s): 3

This is a field-based course. Under the guidance of a college supervisor, students work with a classroom teacher to study and practice classroom strategies. The course covers best practices for creating a professional classroom environment, instructional efficiency, activity transition, discipline and management, work routines for teachers and problem solving. Students seeking Initial Elementary Teacher licensure must enroll for 3 credits; students will be placed in an elementary classroom for an entire semester and attend according to the school's calendar. Students may repeat the course for fewer credits. Students seeking a classroom practicum may enroll for fewer credits. Students in other endorsement areas will make arrangements with an NVU-Johnson Education Department Chair.

Prerequisites: EDU TEW3

Corequisites: EDU 4630 or permission of department chair

Offering Location: Johnson Campus

EDU 4450 - Assessment of Exceptional Students

Credit(s): 3

This course provides instruction in the ethical administration, scoring and interpretation of tests commonly used in the assessment of students with differing abilities. Although a variety of assessment types will be explored including cognitive, language, achievement, behavior, and emotional, the focus of the course will be on tests commonly used by special education teachers in schools. Preference for assessments will be based on their psychometric properties, theoretical basis, appeal to evaluators and students, and their age. The course examines federal regulations as well as Vermont guidelines and procedures for identifying students with special needs.

Prerequisites: EDU 4070, PSY 4020, or permission.

Offering Location: Lyndon Campus

EDU 4460 - Emotional and Behavioral Disabilities

Credit(s): 3

This course presents the study of methods of assessment, evaluation, and programming for children with behavioral and/or emotional disabilities that interfere with normal learning and social development. Students investigate behavior modification, biophysical, ecological, developmental, psychodynamic, and countertheoretical approaches. There is a field work component.

Prerequisites: EDU 4450 with a B- or better, or permission.

Offering Location: Lyndon Campus

EDU 4475 - Teaching Apprenticeship

Credit(s): 6

This course emphasizes working collaboratively with one's colleagues, developing teaching skills that address the needs of all children, and developing an effective teaching style. Each student is assigned two mentors - a professor and a teacher in the field - to introduce her or him to all aspects of teaching. The mentors work closely with the student in the field demonstrating techniques and observing and evaluating the student's performance.

Prerequisites: EDU 3750 and EDU 3825 each with a B- or better, acceptance to the Elementary Education major, and permission.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

EDU 4580 - Reading Disabilities I

Credit(s): 3

This course is essential for prospective Tier II and Tier III providers. This course covers the identification of reading disabilities, the classification of reading problems, and an introduction to research-based strategies for Tier II and Tier III interventions. Students will learn about formative assessments as well as norm-referenced diagnostic assessments specific to this course. There is a field work component.

Prerequisites: EDU 3540 and EDU 4450 each with a B- or better, or permission.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

EDU 4630 - Integrated Elementary Methods Practicum: Intention, Knowledge & Presence

Credit(s): 6

This course provides elementary classroom teacher candidates with an integrated experience of teaching and study resulting in working knowledge of elementary school curriculum, pedagogy and policies. Work done for seminar-style class sessions is integrated with candidates' student teaching experience and builds on daily observations and direct work with teachers and children at the elementary level. Readings and activities cover overarching ideas about learning and learners, lesson planning, classroom management, assessment and current research, initiative and policy. Seminars focus on methods and materials needed to teach literacy, mathematics, social studies and science, but emphasis is also placed on integrating academic disciplines with the arts, physical education, technology, experiential learning and thematic units. Instruction occurs in once-a-week seminars that are held in NVU-Johnson's "partner schools."

Prerequisites: EDU 3265, EDU 3266, EDU 3311 and EDU TEW3

Corequisites: EDU 3125, EDU 4368 and EDU TEW4.

Offering Location: Johnson Campus

EDU 4640 - Special Education Practices & Procedures

Credit(s): 6

The purpose of this course is to examine theoretical and practical methods for effective collaboration and consultation to assist in developing inclusive programming for students with diverse learning needs in schools. Students will learn various models of consultation and collaboration for working with colleagues, families and community agencies. Students will explore the referral process, IEP procedures and other special education responsibilities, including the development of an individualized education plan.

Prerequisites: EDU 3025 and EDU 3266

Offering Location: Johnson Campus

EDU 4650 - Capstone & Thesis Seminar

Credit(s): 3

This course serves two purposes. The first is to provide a forum for reflective practice regarding the student teaching experience. Employing an action research approach, students will assess their student teaching experience with an aim of establishing a unique guiding theme for their identity as a novice teacher. Additionally, the course provides guidance for students through the final stage of submitting their capstone portfolio, which includes materials constructed over the span of their coursework as well as their thesis unit as implemented during student teaching. Students must make a public presentation of their thesis unit and their learning. Students seeking Initial educator licensure must enroll for 3 credits; students will be placed in a seminar by location.

Corequisites: EDU 4812 or EDU 4820 or EDU 4812 or EDU 4850, and EDU TEW5.

Offering Location: Johnson Campus

EDU 4680 - Reading Disabilities II

Credit(s): 3

This course offers opportunities to consider actual reading problems in relation to a wide variety of diagnostic and remedial activities. The field work activities focus on using and evaluating evidence-based strategies while working with students.

Prerequisites: EDU 4580 with a B- or better, or permission.

Offering Location: Lyndon Campus

Repeatable for Credit: Once.

Notes: *There is a course fee.*

EDU 4710 - Special Topics in Education

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 4000-level not offered in the general Education curriculum.

Offering Location: Lyndon Campus

Repeatable for Credit: With a change of topic.

EDU 4730 - Student Teaching Seminar

Credit(s): 2

This course is taken concurrently with student teaching and students work on the requirements of professional competencies. Students research and present issues in education as they relate to the student teaching experience.

Corequisites: ECE 4811, EDU 4811, or EDU 4880.

Offering Location: Lyndon Campus

EDU 4811 - Teaching Elementary Education

Credit(s): 7-12

This course places students in a public school classroom. Students gradually increase their involvement, culminating in a period of full-time teaching under the direction of a qualified supervising teacher. The course involves practical application of teaching principles, knowledge, and understanding of youth and their development. Please note that 15 weeks of student teaching equals 12 credits and ten weeks of student teaching equals 7 credits.

Prerequisites: EDU 4475 with a B- or better, a passing score on at least two of the four sections of the Praxis II tests, a minimum of 3.00 GPA in courses for the major, a minimum cumulative GPA of 3.00, and permission.

Corequisites: EDU 4730

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

EDU 4812 - Unified Arts Student Teaching

Credit(s): 12

This full-semester course involves full-time student teaching in art and participation in frequent seminars which focus on techniques, materials and technology pertinent to teaching art in an elementary school.

Prerequisites: EDU 4310; EDU TEW4; overall 3.0 or higher GPA; pass PRAXIS II; permission of placement coordinator

Offering Location: Johnson Campus

EDU 4820 - Elementary Student Teaching

Credit(s): 12

Following a semester of prescriptive study after Practicum I, the student enrolling in Elementary Practicum II will spend a full semester student teaching in a school district. Evaluation is based on the student's demonstration of the competence generally expected of a first-year teacher.

Prerequisites: EDU 4368, EDU 4630; EDU TEW4; overall 3.0 or higher GPA; pass PRAXIS II; permission of placement coordinator

Offering Location: Johnson Campus

EDU 4850 - Secondary Education Student Teaching

Credit(s): 12

Students spend a full semester in a secondary classroom setting, gradually increasing their involvement, and culminating in a period of full-time teaching under the direction of a cooperating teacher. Practical application of teaching principles, knowledge, and understanding of adolescents is involved.

Prerequisites: EDU 4130; EDU TEW4; overall 3.0 or higher GPA; pass PRAXIS II; permission of placement coordinator

Offering Location: Johnson Campus

EDU 4850 - Secondary Student Teaching

Credit(s): 12

This course places students in a secondary classroom. Students gradually increase their involvement, culminating in a period of full-time teaching under the supervision of a qualified cooperating teacher. This course involves practical application of teaching principles, content knowledge, and understanding of youth and their development. Students must take at least fifteen continuous weeks of student teaching for 12 credits.

Prerequisites: EDU 4020, EDU 4025, EDU 4030, or EDU 4040, a GPA of 3.0, and passing scores in both Praxis Core and Praxis II.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

EDU 4880 - Teaching Special Education

Credit(s): 7-12

This course introduces the student to special education in resource rooms, regular education classrooms, and other setting where special education takes place. Students gradually increase their involvement, culminating in a period of full-time teaching under the direction of a qualified supervising teacher. The course involves practical application of teaching principles, knowledge and understanding of youth and their development. Please note that 15 weeks of student teaching equals 12 credits and 10weeks of student teaching equals 7 credits.

Prerequisites: EDU 4475, EDU 4070, EDU 4450, EDU 4460, and EDU 4580, each with a B- or better, a passing score on at least two of the four sections of the Praxis II test, a minimum of 3.00 GPA in courses for the major, a minimum cumulative GPA of 3.00, and permission.

Corequisites: EDU 4730

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

EDU 4910 - Independent Study in Education

Credit(s): 1 - 4

This course gives the more mature student an opportunity to work on a well-formulated problem of special interest.

Restrictions: Permission.

Offering Location: Johnson Campus, Lyndon Campus

EDU 4910 - Independent Study in Education (J)

Credit(s): 1-12

Students plan and complete an approved independent study in consultation with their faculty supervisor.

Offering Location: Johnson Campus

English

English

ENG 1005 - College Reading

Credit(s): 3

This course is designed to teach critical reading skills applicable to course work in many fields. Students will learn how to recognize the essential points in a piece of reading, as well as how to discern the writer's tone and how to evaluate the relevance of supporting information. They will learn to ask questions about what they read, rather than taking what appears in print on faith. Though this course is not intended to be a speed reading course or a remedial course for serious deficits in reading skills, students who successfully complete this course will be more comfortable and fluent with a variety of texts and better prepared for further college work.

Offering Location: Johnson Campus

ENG 1025 - Academic & Professional English for Non-Native Speakers

Credit(s): 3

This one-semester course is for non-native speakers of English who have been in the United States for under ten years and who speak another language at home. The course reinforces the reading, writing, speaking, and listening skills that students have acquired in secondary school composition and content courses. Students will focus on expanding their knowledge of voice, mode, and specialized vocabulary in college courses across the curriculum. They will also learn sociocultural and historical references, as well as idioms specific to contemporary American usage. Throughout the semester, they will utilize context clues and a range of rhetorical strategies essential for success in first-year reading, writing, and oral/aural assignments.

Offering Location: Johnson Campus

Repeatable for Credit: Yes.

ENG 1031 - College Writing 1A

Credit(s): 3

This course -- with ENG 1032 , which must be taken afterward -- covers the material of ENG 1071. Students must earn a grade of

C- or better in ENG-1031 in order to enroll in ENG 1032. If both courses are successfully completed, students earn 6 credits toward graduation.

Offering Location: Johnson Campus

ENG 1035 - Foundations of Reading and Writing

Credit(s): 1.5

This course focuses on individualized and group work covering study skills such as note-taking, outlining, skimming, and vocabulary development, as well as critical reading skills including recognizing essential points, evaluating the relevance of supporting information, and asking questions about the text. Intensive instruction in writing process provides students with basic English literacy and competence. Paragraph and short essay forms will be covered, and a review of grammar, punctuation, spelling, and sentence mechanics and structure will support students' writing on a college level.

Offering Location: Lyndon Campus

Repeatable for Credit: Yes, three times.

Notes: *There is a course fee.*

ENG 1045 - FYS: Dreams, Freedom, and Wonder

Credit(s): 3

In this course you will view, discuss, and then write about a number of American films from the past quarter century. Each film incorporates themes of writing, dreaming, and discovering one's truest self. Along the way, your thinking will expand, and your critical reading and writing skills will improve. Field trips to an arts cinema and/or a local film festival will enhance the classroom experience.

Restrictions: First-year students only

Offering Location: Johnson Campus

ENG 1070 - Effective Speaking

Credit(s): 3

Students prepare and deliver short speeches, practicing how to choose, limit and arrange what they say according to their audience and purpose, and to use visual aids and cite sources appropriately.

Recommended: ENG 1072

Offering Location: Johnson Campus

ENG 1071 - College Writing

Credit(s): 3

This course emphasizes the writing of narrative, descriptive and analytic essays developed around a central thesis. The construction of coherent, well-organized paragraphs, as well as standard punctuation, usage, grammar and spelling, receive special attention.

Prerequisites: PLE 0003 or ENG-0041

Offering Location: Johnson Campus

ENG 1072 - Exposition & Analysis

Credit(s): 3

This course addresses the writing of analytic essays, focusing on the structure of persuasive writing, the appropriate consideration of audience and the development of style. The course culminates in a research paper.

Prerequisites: PLE 0004 or ENG 1071 or ENG 1031 or ENG 1032

Offering Location: Johnson Campus

ENG 1081 - Writing and Reading Strategies for College

Credit(s): 3

This course introduces students to the study of language fundamentals and provides practice in reading strategies and in organizing and writing short essays necessary for college success. While providing instruction in syntax, grammar, diction, punctuation, and the conventions of standard academic English, this course emphasizes instruction in writing and reading processes, including invention and revision strategies, developing or locating a thesis, and organizing the material into a coherent whole. The course also includes an introduction to information literacy, particularly collecting or researching information, but does not necessarily include a formal academic research paper.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

ENG 1082 - Academic Inquiry

Credit(s): 3

This writing course provides an opportunity for study and practice in the principles of rhetoric, evidence, analysis, exposition, and argument as a foundation for academic inquiry. Students will be expected to analyze source material from across the disciplines; to evaluate, summarize, and document the thoughts of others; and to synthesize researched evidence to create clear explanations and to develop one's own academic argument. The course includes a review of research process and grammar and mechanics as needed, and at least one formal research paper will be required.

Prerequisites: ENG 1081 with a C- or better, or permission.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

ENG 1090 - FYS: The Vampire in Western Culture

Credit(s): 3

This course focuses on the vampire in Western culture in order to ask the questions: "How and why does a culture create

outsiders, exiles and scapegoats?" "Why has the vampire become a figure that fires our imaginations, our fears and our desires?" We will consider folklore, history, geography, literature and film to study the cultural appeal of the vampire from the 18th to the twenty-first century, although the majority of the course will focus on the latter part of this chronology. We will also examine a selection of medical and psychological theories to gain insight into why the vampire has remained a figure of attraction (or revulsion) for centuries.

Restrictions: First-year students only

Offering Location: Johnson Campus

ENG 1220 - Rhetorical Expression

Credit(s): 3

Through intensive practice with short essays and close instruction, students in this course enhance their skills in written expression. They become more effective and comfortable with the writing process, use of good mechanics and precise language, development of a natural style, and standard rhetorical forms and strategies.

Restrictions: NVU Online Students Only.

Offering Location: Online

Notes: *Pass/No Pass only.*

ENG 1260 - Introduction to Photojournalism

Credit(s): 3

This course introduces students to the art and craft of visual narrative and provides the skills needed to produce effective images in a journalistic context. Students learn the elements of a good news photo, which means developing an understanding of composition, content and professional representation as they pertain to the demands of photojournalism. Students also learn how photojournalists work and where they fit within the framework of news organizations, be it newspapers, magazines or web. The class includes lectures, field assignments, collective critiques and guest speakers.

Prerequisites: ART 2301

Offering Location: Johnson Campus

ENG 1280 - Fundamentals of Public Speaking

Credit(s): 3

This course focuses on the practical skills of public speaking essential for effective expository and persuasive presentations in interpersonal, small group, and broad public circumstances. Topics may include extemporaneous and prepared speaking techniques, effective listening, critical analysis, and basic principles of organization and research needed for effective speeches.

Offering Location: Lyndon Campus

ENG 1310 - Introduction to Literature (J)

Credit(s): 3

This is an examination of poetry, fiction and drama, emphasizing key literary concepts and techniques, including plot, theme, character, point of view and prosody.

Offering Location: Johnson Campus

ENG 1310 - Introduction to Literature (L)

Credit(s): 3

This course consists of the study of fiction, poetry, drama, and nonfiction. It develops the ability to read perceptively and to write effectively about literature.

Offering Location: Lyndon Campus

ENG 1330 - FYS: Language of Film

Credit(s): 3

Just as learning a foreign language requires a sensibility for rules and structure, effective communication using film and video requires an understanding of the filmic conventions that have grown up through the past 100 years of film history. Understanding these conventions is especially important as changes in technology bring the tools for video creation to personal computers and devices. Today's students and workers have unprecedented opportunity for video expression in both their academic and professional careers.

Restrictions: First-year students only

Offering Location: Johnson Campus

ENG 1360 - FYS: Dystopia: Cautionary Tales of a Nightmarish Future

Credit(s): 3

Probing basic questions of human nature and society, dystopian (the worst of all possible worlds) literature and film reveal anxieties that remain chillingly applicable today. We will explore such issues as the self, alienation, freedom, complicity, citizenship, love, faith, sex, technology and happiness through a variety of novels and films.

Restrictions: First-year students only

Offering Location: Johnson Campus

ENG 1420 - FYS: Journaling: Writing in New Territory

Credit(s): 3

The objective of this course is to use writing as a means to stimulate reflective and critical thinking. With these skills, the students can then see the world through these lenses, as students and as writers. Students will do investigative writing; that is, they will not only write what they observe, but also they will write about how and why these observations affect the interpretation of experience, insight and knowledge. Students will use daily writing as a crucial medium for thinking. Students use their journals as a way to communicate through observation, reflection, introspection and written expression.

Restrictions: First-year students only

Offering Location: Johnson Campus

ENG 1430 - FYS: Nature Writing

Credit(s): 3

In this course, students will read writings ranging from nonfiction, fiction, poetry, folklore, and children's literature to environmental policy in order to explore the relationship between nature and identity and the way society and nature intersect. We will use these readings and our own experiences in the natural world to communicate our own beliefs and advocate for important environmental policy. Nature walks will figure into (and out of) class time.

Offering Location: Johnson Campus

ENG 1450 - FYS: Censoring Popular Culture

Credit(s): 3

Witch hunts, scapegoats, public burnings and a whole lot of dirty words - who knew the First Amendment could be so interesting? This seminar will explore ways that free speech disputes go beyond hypersexual songs, ultraviolent video games, and hippie comedians yanked off stage in handcuffs to core conflicts deep in the heart of the American identity. Throughout the semester, we'll touch on history, mass psychology, elitism, moral crusaders and political grandstanders, weird rituals, and what it means to really protect children. In class, we'll look at banned books and listen to controversial music and comedy. We'll also study old news footage to get a better understanding of the nature of hysteria.

Offering Location: Johnson Campus

ENG 1710 - Special Topics in English

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 1000-level not offered in the general English curriculum.

Prerequisites: This course may be repeated with a change of topic.

ENG 2005 - The Self-Sufficient Writer

Credit(s): 3

This course is intended to replace the Writing Proficiency Portfolio and is the means by which students who have failed the Writing Proficiency Exam may satisfy the last element of the General Education Core Curriculum in writing. As with the Writing Proficiency Exam, the emphasis of the course is the writing of extemporaneous persuasive essays in edited standard American English, without help from instructors or software-based spelling and grammar aids. Students will be expected to write in-class

essays that state a clear thesis and develop that central idea concretely, logically and correctly. Class time is spent reviewing and cultivating the wide range of skills necessary to prepare students for the writing of analytic essays with a minimum of errors and without assistance from the instructor: review of and quizzes over the rules of grammar, punctuation, spelling and usage; editing passages and dictation exercises; peer teaching; and every week, in-class writing.

Prerequisites: Failure of the Writing Proficiency Exam

Offering Location: Johnson Campus

ENG 2031 - History and Art of Publishing

Credit(s): 3

This course teaches the basic principles and fundamentals of literary magazine editing, production and layout. This includes the fundamentals of editorial selection, the processing and managing of submissions, editorial discussions of submitted material, editorial correspondence (rejections and acceptances), ordering of the final manuscript and preparation of the electronic manuscript for typesetting. Students are responsible for producing and publishing an edition of the journal over the course of the semester. Students act as editors and editorial assistants, reading, identifying and selecting well-written manuscript submissions, as well as selecting art. They also work in both production and marketing; develop skills in evaluating and reading copy and editing prose and poetry; evaluate art and photography; developing skills in layout and production; and interview and write articles on contemporary writers. This is primarily a lab course, academic in nature.

Prerequisites: ENG 1071

Offering Location: Johnson

ENG 2051 - Introduction to Journalism

Credit(s): 3

The basics of news gathering and news writing are taught with an emphasis on print and digital formats. Students will write for *Basement Medicine*, the student-run NVU-Johnson and community newspaper, also serving as auxiliary staff. The nuts and bolts of journalistic research, photojournalism, interviewing, story structure, and AP style are incorporated into the semester's work. Ethics, basic media law, and the history of journalism are also part of the course.

Prerequisites: ENG 1032 or ENG 1071

Offering Location: Johnson Campus

ENG 2052 - News Publishing

Credit(s): 3

This course will focus on editing the campus newspaper. The students will comprise the newspaper editorial staff. They will assign stories and photography; write news stories, columns and editorials; and learn layout (desktop publishing). In addition, some of the class will be designated to handle the business end of publication: advertising sales, budget and acquisition of supplies and equipment. This is a hands-on class required of all journalism majors and open to all majors.

Prerequisites: ENG 1072; ENG 2051

Offering Location: Johnson Campus

ENG 2101 - Creative Writing

Credit(s): 3

Students analyze and practice the techniques of poetry and prose fiction. In poetry, students work with imagery, metaphor, tone and diction, and experiment with traditional and contemporary verse forms. In prose fiction, students work with plot, setting, point of view and characterization.

Prerequisites: ENG 1071

Offering Location: Johnson Campus

ENG 2130 - Introduction to Writing Poetry

Credit(s): 3

This course explores the art and the craft of writing poetry and offers an opportunity to practice concepts learned in class in a variety of written exercises. While the instruction encourages students to study published poetry, the emphasis will be on writing poetry for an audience of poetry readers. The course will also cover the rudiments of narrative structure. No previous creative writing experience is required.

Prerequisites: ENG 1081 or permission.

Offering Location: Lyndon Campus

ENG 2140 - Introduction to Writing Fiction

Credit(s): 3

This course explores the art and the craft of writing fiction and offers an opportunity to practice concepts learned in class in a variety of written exercises. While the instruction encourages students to study published fiction, the emphasis will be on writing original fiction. No creative writing experience is required.

Prerequisites: ENG 1081 or permission.

Offering Location: Lyndon Campus

ENG 2155 - Multimedia Storytelling

Credit(s): 3

This course explores the theory and practice of creative and professional writing across media platforms. The instruction allows students to construct narratives using a mix of text, photography, audio, video, and graphics. The course emphasizes development of multimedia offerings for online presentation.

Prerequisites: ENG 1081 or permission.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

ENG 2171 - World Literature I

Credit(s): 3

This course introduces students to fiction, poetry, essays and drama in translation, primarily from the European tradition, but also including works from the Near and Far East and Latin America. Included are works by Homer, Biblical and Buddhist writers, and the Chinese poet Tu Fu. Each work is viewed in its cultural context, with common themes and ideas also examined. This course may be taken separately or in sequence with ENG 2172.

Prerequisites: ENG 1032 or ENG 1071

Offering Location: Johnson Campus

ENG 2172 - World Literature II

Credit(s): 3

Major figures in this course include Dante, Rumi, Chekhov, Kafka and Neruda. Each work is viewed in its cultural context, with common themes and ideas also examined. This course may be taken separately or in sequence with ENG 2171.

Prerequisites: ENG 1032 or ENG 1071

Offering Location: Johnson Campus

ENG 2250 - Critical Approaches

Credit(s): 3

[LGWL2] This course provides an introduction to methods of critical analysis of textual and visual forms of storytelling. Beginning with an exploration of the essential categories and vocabulary of critical analysis, this course briefly surveys classical theories, such as those of Aristotle and Plato, and focuses on recent theoretical approaches such as reader-response theory, semiotics, deconstruction, feminism and gender theory, critical race theory, new historicism, psychoanalytic approaches, Marxist theory, eco-criticism, and film theory. Students will learn how these theories can be applied to specific genres, texts, and media.

Prerequisites: The prerequisite is ENG 1082. This course is offered every fall.

ENG 2281 - Survey of English Literature I

Credit(s): 3

In this course, we will read and discuss works by writers from what we now call Great Britain, including early Anglo-Saxon poetry, Geoffrey Chaucer's *Canterbury Tales*, and John Milton's great epic, *Paradise Lost*, which aspires to "justify the ways of God to men". We'll read a variety of genres, including epic, poetry, and nonfiction. As we do so, we'll develop an overview of literary history: its themes, literary forms, and cultural contexts. In order to understand and appreciate literature from distant periods and places, we'll consider the intellectual, cultural, and political climates in which it was produced, and how issues from the literary past persist in our world today.

Prerequisites: ENG 1032 or ENG 1071

Offering Location: Johnson Campus

ENG 2282 - Survey of English Literature II

Credit(s): 3

In this course, we will read and discuss representative works by writers from the British Isles from the 18th to the 20th century, including Jonathan Swift, Mary Shelley, Charles Dickens, and Oscar Wilde. We will read a variety of genres, including poetry, fiction, and drama. We will develop an overview of literary history: its themes, literary forms, and cultural contexts. In order to understand and appreciate this literature, we will consider the intellectual, cultural, and political climates in which it was produced, as well as how issues raised in this literature persist in our world today.

Prerequisites: ENG 1032 or ENG 1071

Offering Location: Johnson Campus

ENG 2290 - Introduction to British Literature

Credit(s): 3

This course explores the roots and transformations of British literature and culture from the Medieval through the Modern periods through representative major figures such as Chaucer, Shakespeare, Milton, Swift, Wordsworth, Dickens, Yeats, and Woolf.

Prerequisites: ENG 1082 or permission.

Offering Location: Lyndon Campus

ENG 2321 - Survey of American Literature I

Credit(s): 3

This is the first of two courses surveying the American tradition of literature from the early colonial period to the present. The focus is on major figures and on genres such as diaries, journals, poetry, essays and fiction. This course considers Winthrop, Bradstreet, Taylor, Edwards and Franklin in the 17th and 18th centuries and Emerson, Poe, Thoreau, Melville, Dickinson and Whitman as major 19th century writers.

Prerequisites: ENG 1032 or ENG 1071

Offering Location: Johnson Campus

ENG 2322 - Survey of American Literature II

Credit(s): 3

This is one of two courses surveying the American tradition of literature from the early colonial period to the present. The focus is on major figures and on genres such as diaries, journals, poetry, essays and fiction. This course extends from the late 19th century through the first half of the 20th century and includes such writers as Twain, James, Crane, Frost, Eliot, Hemingway, Faulkner and Stevens.

Prerequisites: ENG 1032 or ENG 1071

Offering Location: Johnson Campus

ENG 2323 - FYS: 1492: Reading the Conquest

Credit(s): 3

This first-year seminar will examine early literary responses to the conquest of the New World. Themes include the sense of wonder and curiosity catalyzed by the epochal encounters begun in 1492; the meanings of these journeys, discoveries and conquests; ideas about the natural (were the Americas and their inhabitants paradisiacal or savage?); and the significance of the conquest for us today. It is hoped students will share the sense of awe expressed by our authors at the marvels they encountered during their various sojourns. This course is also designed as a beneficial introduction to college life including research, balancing your schedule, learning how to learn, making use of campus resources and developing successful study skills.

Restrictions: First-year students only

Offering Location: Johnson Campus

ENG 2325 - Introduction to American Literature

Credit(s): 3

This course explores the roots and transformations of American literature and culture from the pre-Colonial period to the twentieth century. Genres include poetry, fiction, historical narrative, autobiography, and drama.

Prerequisites: ENG 1082 or permission.

Offering Location: Lyndon Campus

ENG 2355 - FYS: Tradition & Identity in Contemporary Literature

Credit(s): 3

This course is designed to investigate the influence of the past on the present, especially as this influence affects individual identity, purpose and fulfillment. Our focus will be on people's responses to family contemporary essays, autobiography and fiction, and on our own examination of the past and its influence in our lives. Whenever we identify who we are, we make choices: What do we want or need to emphasize about ourselves? How will people respond to what they learn about us? Will our freedom and control (both short- and long-term) be enhanced or constrained as a result? What combination of skills, influences, insights and effort will give us the best chance of meeting life on its own terms and making the most of it and of ourselves?

Restrictions: First-year students only

Offering Location: Johnson Campus

ENG 2390 - Introduction to World Literature

Credit(s): 3

This course, by focusing primarily but not exclusively on the modern era, explores the representations, ideas, and concerns of a variety of cultures through selected literary works that are considered significant by the culture that each embodies. Texts to be considered might include Kafka's *The Metamorphosis* and Achebe's *Things Fall Apart*. The emphasis throughout will be on the ways in which the texts address issues of identity, gender, and cultural differences.

Prerequisites: ENG 1082 or permission.

Offering Location: Lyndon Campus

ENG 2510 - Women & Literature

Credit(s): 3

This course provides a culturally diverse survey of fiction and poetry by women authors that explores women as characters and the condition of women in the world.

Prerequisites: ENG 1032 or ENG 1071

Offering Location: Johnson Campus

ENG 2535 - Genre Survey

Credit(s): 3

This course will explore a variety of literary and cultural genres at an intermediate level. Specific genres that might be explored in any given semester include: Mystery and Detective Fiction; Literary Non-Fiction; Epic Poetry; Fantasy Literature; and Adventure Literature.

Prerequisites: ENG 1082 or permission.

Offering Location: Lyndon Campus

Repeatable for Credit: With a change of genre (but may be counted only twice toward English program requirements).

ENG 2540 - Global English: Forms, Roles & Issues

Credit(s): 3

This course addresses the importance of language in general as a means of understanding ourselves and the world around us. Topics include, but are not limited to, history of the English language, dialects of American English, World Englishes, language acquisition and language pathology, language and culture, gender difference, language policy and planning.

Prerequisites: ENG 1082 or permission.

Offering Location: Lyndon Campus

ENG 2545 - Literature and Culture Survey

Credit(s): 3

This course examines intermediate topics at the intersection of literature and culture by exploring various literary themes and issues in their cultural contexts. Specific themes or issues that might be explored in any given semester include: Greek and Roman Classics; Arthurian Literature; Outsiders in Literature; Dangerous Literature; and the Literature of Business.

Prerequisites: ENG 1082 or permission.

Offering Location: Lyndon Campus

Repeatable for Credit: With a change of issue or theme (but may be counted only twice toward program requirements).

ENG 2575 - Disquiet International Literary Program

Credit(s): 3

This is a course that will introduce students to a classic work of Portuguese literature by one of the 20th Century's most exciting writers, Fernando Pessoa, through discussions and peer review and critique. We will read Pessoa's classic text, in Richard Zenith's translation, *The Book of Disquiet*. The course includes attending the Disquiet International Literary Program in Lisbon, Portugal. This conference features workshops, craft talks, literary tours of the city, and a Portuguese Literature and Culture Series offered in conjunction with the University of Lisbon.

Offering Location: Johnson Campus

ENG 2710 - Special Topics in English

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 2000-level not offered in the general English curriculum.

Prerequisites: This course may be repeated with a change of topic.

ENG 2810 - Internship

Credit(s): 1-12

Students plan and complete an approved internship in consultation with their faculty supervisor.

Offering Location: Johnson Campus

ENG 2815 - On-Site Experience

Credit(s): 1-3

This course provides students with an immersion experience away from the Lyndon campus, such as a film festival, theater performance, a professional conference, or travel to a culturally significant locale. Students will be expected to attend meetings prior to, during, and after the experience. The academic content of the course will focus on participation in the experience activities, group discussions, and reflection papers about the experience. Students registered for 2 or 3 credits will be required to complete extended analytical or research papers.

Restrictions: By Permission.

Offering Location: Lyndon Campus

Repeatable for Credit: May be repeated for credit (but no more than three credits may be counted toward English program requirements).

Notes: *There is a course fee.*

ENG 2910 - Independent Study in English

Credit(s): 1-12

Students plan and complete an approved independent study in consultation with their faculty supervisor.

Offering Location: Johnson Campus

ENG 3010 - Advanced Composition and Rhetoric

Credit(s): 3

This course offers advanced study of and practice in analytical, argumentative, persuasive, and expository writing, as well as rhetorical strategies. There is a substantial focus on the formal aspects of writing: grammar, mechanics, syntax, structure, and style. In addition, the course explores logic and rhetoric, techniques of rational and emotional persuasion, and the power of language.

Prerequisites: ENG 1082 or permission.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

ENG 3020 - Feature Writing

Credit(s): 3

An advanced course in the preparation and production of feature articles and essays, this course includes close examination of contemporary features writing in both national and regional newspapers and magazines. Opportunities for the publication of student work in this course may be available in the college newspaper and other college publications.

Prerequisites: ENG 1072

Offering Location: Johnson Campus

ENG 3022 - Advanced News Publishing

Credit(s): 3

This class is available to students who have taken ENG 2052 and choose to return to the newspaper staff a second semester. Responsibilities include more page layout, more investigative reporting and more line editing and rewriting.

Prerequisites: ENG 2052

Offering Location: Johnson Campus

ENG 3025 - Media and Society

Credit(s): 3

This course explores the history, functions, and social effects of mass communication media, both within the United States and internationally, to provide a framework for the critical analysis of the politics, economics, and structure of the media. Topics include the roles and responsibilities of mass media in the context of a robust democracy, media law and ethics, technological developments related to the delivery and consumption of mass media, philosophical and psychological approaches to understanding the media's influence on individuals and society, and possible future scenarios of the field.

Prerequisites: ENG 1082 or permission.

Offering Location: Lyndon Campus

ENG 3032 - Literary Publishing in the 21st Century: Green Mountains Review

Credit(s): 3

This course builds on ENG 2031, teaching the basic principles and fundamentals of literary magazine editing, production and layout. This includes the fundamentals of editorial selection, the processing and managing of submissions, editorial discussions of submitted material, editorial correspondence (rejections and acceptances), ordering of the final manuscript and preparation of the electronic manuscript for typesetting. Students are responsible for producing and publishing an edition of the journal over the course of the semester. Students act as editors and editorial assistants, reading, identifying and selecting well-written manuscript submissions, as well as selecting art. They also work in both production and marketing; develop skills in evaluating and reading copy and editing prose and poetry; evaluate art and photography; developing skills in layout and production; and interview and write articles on contemporary writers. This is primarily a lab course, academic in nature.

Prerequisites: ENG 1071

Offering Location: Johnson Campus

ENG 3090 - Horse & Human Culture

Credit(s): 3

Horses and humans have lived in close contact with each other for centuries, beginning with the domestication of the horse by humans 6,000 years ago. The horse has served throughout history as food, transportation, machine, god, athlete and companion, and is second only to the dog in its effects on human culture. In the 20th century, horses have assumed the role, for the most part, of recreational partner or pet. In some ways, however, we are only starting to understand the potential of horse-human relationships. This course will engage with questions of how the horse has shaped human culture and how human culture has shaped the horse, through the study of anthropology, history, art and literature, psychology and business, starting even before domestication and continuing into the present day.

Prerequisites: ENG 1072

Offering Location: Johnson Campus

ENG 3110 - Creative Writing Workshop

Credit(s): 3

[LGAD3] This workshop studies the techniques of creative writing in various genres, including fiction, poetry, drama, screenplays, and creative non-fiction, and offers practice of those techniques in a workshop setting. Student work-in-progress is critiqued through class discussion and frequent conferences with the instructor and fellow student writers. This course may be repeated once for credit with permission but may count only once toward program requirements.

Prerequisites: There is a course fee. The prerequisite is ENG 2130 or ENG 2140 or permission. This course is offered every fall.

ENG 3120 - Poetry Workshop

Credit(s): 3

Student poems serve as the basis and focus of this advanced writing workshop. Intensive and extensive writing is expected, and revisions of poems are required. Students also study the poetry and poetic theory of contemporary writers to discover how their work fits into the contemporary poetic tradition.

Prerequisites: ENG 2101 or permission of instructor

Offering Location: Johnson Campus

ENG 3130 - Fiction Workshop

Credit(s): 3

This upper-level course concentrates on the short story. Weekly class discussion ranges from critiquing fellow students' work to examining work by professional writers. Students write at least three full-length stories by the end of the semester.

Prerequisites: ENG 2101 or permission of instructor

Offering Location: Johnson Campus

ENG 3140 - The Creative Essay

Credit(s): 3

The essay as creative nonfiction is analyzed as a model for students, and emphasis is placed on helping students to frame eloquent and artistic prose. Students write essays as well as study classic essays from academic and popular writing. The goal of the course is to encourage and help students become writers of essays that move as well as inform readers.

Prerequisites: ENG 2051; ENG 2101; or permission of instructor

Offering Location: Johnson Campus

ENG 3155 - Creative Writing: Form & Theory

Credit(s): 3

This course examines theories of various forms of creative writing. Specific genres that might be explored in any given semester include Speculative Fiction; the Lyric; Comedy; the Novel; Horror; Noir; and the Graphic Novel. Students will write and then workshop their original pieces in class.

Prerequisites: One 2000 level English course.

Offering Location: Lyndon Campus

Repeatable for Credit: With a change of genre, but may be counted only twice toward program requirements.

Notes: *There is a course fee.*

ENG 3270 - Myth & Myth Making

Credit(s): 3

An interdisciplinary, team-taught inquiry which provides an overview of myth and the myth-making process, this course focuses

especially on quest myths and on myths concerning sacrifice, death and rebirth. Though most myths read will be Greek, students will also be encouraged to explore Native American and other mythologies. The course will emphasize the ways myth has been used by dramatists, poets and visual artists.

Prerequisites: ENG 1072 and ENG 1310; and also one of the following 2000-level survey courses: ENG 2171, ENG 2172, ENG 2281, ENG 2282, ENG 2321, ENG 2322 or ENG 2510

Offering Location: Johnson Campus

ENG 3320 - The English Novel

Credit(s): 3

This course surveys the English novel from Sterne, Richardson and Austen to Conrad, Lawrence and Woolf. Dickens, Hardy, Forster and other recent novelists are stressed.

Prerequisites: ENG 1072 and ENG 1310; and also one of the following 2000-level survey courses: ENG 2171, ENG 2172, ENG 2281, ENG 2282, ENG 2321, ENG 2322 or ENG 2510

Offering Location: Johnson Campus

ENG 3345 - Contemporary Canadian Literature

Credit(s): 3

Students in this course will gain an appreciation for the literature of the U.S. neighbor to the north. Through close reading and discussion of novels, poems and stories, students will consider not only the individual voices and concerns of Canadian writers but also what makes Canadian writing distinctive. How is it different, if at all, from American writing? How is it similar? How does Canadian literature speak to us on a personal level, and what can it contribute to the literature of the world?

Prerequisites: ENG 1072 and one of the following courses: ENG 1310, ENG 2171, ENG 2172, ENG 2281, ENG 2282, ENG 2321, ENG 2322 or ENG 2510

Offering Location: Johnson Campus

ENG 3380 - British Romantic Literature

Credit(s): 3

In this investigation of English romanticism, students engage in close readings of poetry and prose by the major writers in the tradition: Blake, Wordsworth, Coleridge, Byron, Shelley, Keats and Mary Shelley.

Prerequisites: ENG 1072 and ENG 1310; and also one of the following 2000-level survey course: ENG 2171, ENG 2172, ENG 2281, ENG 2282, ENG 2321, ENG 2322 or ENG 2510

Offering Location: Johnson Campus

ENG 3385 - Genre Seminar

Credit(s): 3

This course will explore a variety of literary and cultural genres at an advanced level. Specific genres that might be explored in

any given semester include: Folklore, Fairy Tales, and Children's Literature; Gothic Literature; and Travel Literature.

Prerequisites: ENG 1082 or one ENG 2000-level literature course, or permission.

Offering Location: Lyndon Campus

Repeatable for Credit: With a change of genre (but may be counted only twice toward English program requirements).

ENG 3390 - Literature of the Grotesque

Credit(s): 3

This course includes historical, literary, philosophic and aesthetic approaches to the grotesque, especially examining the mix of humor and horror so essential to the genre. Rabelais, Swift, Poe, Dostoevski, Baudelaire, Beckett, Nathanael West and Flannery O'Connor, among others, will be studied, as well as slides of grotesque art works, from Hieronymous Bosch to Salvadore Dali.

Prerequisites: ENG 1072 and ENG 1310; and also one of the following 2000-level survey courses: ENG 2171, ENG 2172, ENG 2281, ENG 2282, ENG 2321, ENG 2322 or ENG 2510

Offering Location: Johnson Campus

ENG 3395 - Satire in Literature

Credit(s): 3

This course is an introduction to the vast and varied genre of satire, tracing origins to Old Comedy and Roman Verse satire, tracing satire theory from classical models up through 20th-century structuralism and postmodern theory. We'll study Aristophanes, Horace and Juvenal, Menippean satire of Lucian and Petronius, bits of Rabelais, Chaucer, Donne, Butler and Marvell, as well as whole works from neoclassic masters Alexander Pope, John Dryden and Jonathan Swift. As satire has evolved in the last two centuries into a predominately narrative, not verse, form, we'll study a number of anti-utopian novels such as Animal Farm, Brave New World, Memoirs From a Bathtub, as well as view Metropolis and Modern Times as cinematic satires.

Prerequisites: ENG 1072; and one of the following courses: ENG 1310, ENG 2171, ENG 2172, ENG 2281, ENG 2282, ENG 2321, ENG 2322 or ENG 2510

Offering Location: Johnson Campus

ENG 3405 - Literary Journalism

Credit(s): 3

Students are expected to analyze and understand the techniques of journalistic prose that have led to memorable stories and columns. Among those studied are muckrakers such as Steffens and Woodward, war correspondents such as Pyle and Herr, commentators such as Lippmann and Broder and many other literary journalists.

Prerequisites: ENG 1072

Offering Location: Johnson Campus

ENG 3435 - Practical Grammar

Credit(s): 3

This course is intended to enhance readers' appreciation of elegance of expression in literature; to expand available rhetorical choices for writers; to increase precision and efficiency of expression; and to help prospective teachers of English respond to student writing with thorough, accurate and helpful instruction. Weekly activities include short writing assignments that expand the writer's tools, grammatical analysis of passages and editing exercises.

Offering Location: Johnson Campus

ENG 3480 - Modern Literature

Credit(s): 3

Students engage in close readings of representative works of major poets and fiction writers from the start of the 20th century to World War II. The course includes British and American writers such as Joyce, Yeats, Woolf, Eliot, Stevens, Faulkner and Hemingway.

Prerequisites: ENG 1072 and ENG 1310; and also one of the following 2000-level survey courses: ENG 2171, ENG 2172, ENG 2281, ENG 2282, ENG 2321, ENG 2322 or ENG 2510

Offering Location: Johnson Campus

ENG 3510 - Contemporary Literature

Credit(s): 3

Students read representative works of major poets and fiction writers from the end of World War II to the present. The course includes writers such as Lowell, Plath, Ginsberg, Bellow, Rich, O'Connor, Atwood, Morrison and Carver.

Prerequisites: ENG 1072; and one of the following courses: ENG 1310, ENG 2171, ENG 2172, ENG 2281, ENG 2282, ENG 2321, ENG 2322 or ENG 2510

Offering Location: Johnson Campus

ENG 3520 - American Poetry

Credit(s): 3

This is an examination of important works by major American poets, including such representative poets as Whitman, Dickinson, Stevens, Eliot, Pound, Williams and Moore, with special emphasis on the Americanness of American poetry, as distinct from other traditions.

Prerequisites: ENG 1072; and one of the following courses: ENG 1310, ENG 2171, ENG 2172, ENG 2281, ENG 2282, ENG 2321, ENG 2322, ENG 2510, ENG-2260 (CU course) or ENG-2270 (CU course)

Offering Location: Johnson Campus

ENG 3525 - Victorian Literature

Credit(s): 3

This course examines poetry, prose, drama and nonfiction selections from the Victorian period in Great Britain (1837-1901). It

will consider pressing issues of Victorian culture as these intersect with literature, such as science, politics, economics, morality, sexuality, and gender. The semester is divided into four units. Unit 1 looks at representations of and expectations for women and attempts to enlarge or change women's roles and relationships. Unit 2 examines rising industrialization and resulting political and economic effects for the individual and society. Unit 3 considers the role of science and imperialism in unsettling certainties regarding religion and personal relationships. Unit 4 looks at various responses to previous Victorian ideologies of empire, the self and the role of art. As we move through the course, students will analyze overlapping concerns among the unit readings in order to gain a broader understanding of how views on, for example, women's roles in society, the economic benefits of capitalism and the British imperialism were contested and developed.

Prerequisites: ENG 1072 and ENG 1310; and also one of the following 2000-level survey courses: ENG 2171, ENG 2172, ENG 2281, ENG 2282, ENG 2321, ENG 2322 or ENG 2510

Offering Location: Johnson Campus

ENG 3530 - The American Novel

Credit(s): 3

This course examines novels by Americans in historical context, beginning with the first half of the 19th century and including major works by novelists such as Hawthorne, Melville, Twain, James, Crane, Faulkner, Hemingway and Fitzgerald.

Prerequisites: ENG 1072; and one of the following courses: ENG 1310, ENG 2171, ENG 2172, ENG 2281, ENG 2282, ENG 2321, ENG 2322, ENG 2510, ENG-2260 (CU course) or ENG-2270 (CU course)

Offering Location: Johnson Campus

ENG 3545 - Literature and Culture Seminar

Credit(s): 3

This course examines advanced topics at the intersection of literature and culture by exploring various literary themes and issues in their cultural contexts. Specific themes or issues that might be explored in any given semester include: The Bible as literature; Myths and Mythologies; Slave Narratives; The Self and Society; Poetry, Philosophy, and Politics; and Performing Gender.

Prerequisites: ENG 1082 or one ENG 2000-level literature course, or permission.

Offering Location: Lyndon Campus

Repeatable for Credit: With a change of issue or theme (but may be counted only twice toward English program requirements).

ENG 3565 - Shakespeare

Credit(s): 3

This course studies the poetry and drama of Shakespeare. It focuses on major themes and conventions in his works through the accurate and imaginative analysis of the texts. It also considers the context of reception and production through relevant cultural, political and religious questions of the sixteenth and seventeenth centuries.

Prerequisites: ENG 1071 and ENG 1310; and also one of the following 2000-level survey courses: ENG 2171, ENG 2172, ENG 2281, ENG 2282, ENG 2321, ENG 2322 or ENG 2510

Offering Location: Johnson Campus

ENG 3580 - African American Literature

Credit(s): 3

This course examines the literary traditions of African Americans, beginning with slave narratives and the oral tradition (as seen in popular song and folk tales) and including poetry, autobiography and fiction by important African American writers of the 20th century.

Prerequisites: ENG 1310; and one of the following courses: ENG 2171, ENG 2172, ENG 2281, ENG 2282, ENG 2321, ENG 2322, ENG 2510, ENG-2260 (CU course) or ENG-2270 (CU course)

Offering Location: Johnson Campus

ENG 3680 - Linguistics & Language History

Credit(s): 3

This course examines the English language from a theoretical, developmental and practical perspective and is intended for students with a general interest in language and expression as well as those students preparing to teach language arts and literature at the secondary level.

Prerequisites: ENG 1072

Recommended: ENG 2281

Offering Location: Johnson Campus

ENG 3710 - Special Topics in English

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 3000-level not offered in the general English curriculum.

Prerequisites: This course may be repeated with a change of topic.

ENG 3999 - Writing Proficiency Exam

Credit(s): 0

Prerequisites: All on-campus baccalaureate- and associate-level students must pass the Writing Proficiency Exam or the course ENG 2005 -The Self-Sufficient Writer in order to graduate. (Distance Learning students must pass ENG 1220 - Rhetorical Expression or pass the Challenge Exam in order to graduate.) Students should take the exam when they have accumulated between 15-60 credits to ensure completion of this graduation standard. Students who fail the exam once may attempt it a second time; those who fail twice must take and pass ENG 2005.

Offering Location: Johnson Campus

ENG 4010 - Media Ethics

Credit(s): 3

This course is a senior-level seminar that leads students through an examination of current ethical problems and issues in journalism: truth vs. accuracy; information biases: problems of personalizing, dramatizing, reenacting and manipulating the news; image making in politics, First Amendment vs. rights to privacy; naming names; photojournalism ethics; and the transformation of news into entertainment (the rise of images and the decline of meaning).

Prerequisites: ENG 2051

Offering Location: Johnson Campus

ENG 4080 - Advanced Creative Writing Workshop

Credit(s): 3

This workshop focuses on the advanced study of a particular genre of creative writing of the student's choosing. In consultation with the instructor, the student will choose a creative writing genre and a suitable project to pursue. Student work-in-progress is critiqued through class discussion and frequent conferences with the instructor and fellow student writers. This course may be repeated once for credit with permission but may be counted only once toward program requirements.

Prerequisites: There is a course fee. The prerequisite is ENG 3110 or permission. This course is offered every fall.

ENG 4110 - The Form & Theory of Fiction

Credit(s): 3

This study of novels and short stories focuses on their structure and on the ideas that give life to that structure. It is a workshop-oriented course primarily for writers, and much of the criticism read has a practitioner's focus. Topics include the form of the novella, tone and texture in the contemporary short story and the novel as memoir. Major fiction by American and European writers is studied, along with representative novels and short stories by non-western and third world writers.

Prerequisites: ENG 3130 or permission of instructor

Offering Location: Johnson Campus

ENG 4120 - The Form & Theory of Poetry

Credit(s): 3

This course examines the theoretical writings of 19th and 20th century poets on the process of poetic creation. Theories about the source of inspiration, the origin of poetic structure and technique, the relationship between theory and practice, the responsibilities and uses of poetic imagination, and the relationship between artist and society are explored.

Prerequisites: ENG 3120 or permission of instructor

Offering Location: Johnson Campus

ENG 4130 - The Form & Theory of Nonfiction

Credit(s): 3

The structure and technique of creative essays are examined and analyzed, with stress on development and organization.

Particular attention is paid to literary essays that have withstood the critical test of time and to modern essays that consciously strive to incorporate literary techniques. Discussion focuses on audience, allusion, research, patterns of development and organizing elements, as well as those literary techniques such as symbolism and irony that apply to non-fiction prose.

Prerequisites: ENG 1072

Recommended: At least one 3000-level writing course

Offering Location: Johnson Campus

ENG 4150 - Literary Criticism & Theory

Credit(s): 3

This investigation of 20th century approaches to literary criticism and theory focuses on major "schools" of criticism and on the critics and theorists associated with them. Students develop a definitive, historical perspective on this kind of discourse, including the goals criticism and theory have striven to reach and the effects such discourse has had on the study of literature. Students are encouraged to draw upon their own inclinations as readers and scholars, trying out some of these critical stances and evaluating their usefulness and their value to us as individuals and as members of various interpretive communities.

Prerequisites: ENG 1072; two of the following survey courses: ENG 2171, ENG 2172, ENG 2281, ENG 2282, ENG 2321, ENG 2322, or ENG 2510 ; and one of the following upper-level literature courses: ENG 3270, ENG 3320, ENG 3345, ENG 3380, ENG 3390, ENG 3395, ENG 3435, ENG 3480, ENG 3510, ENG 3520, ENG 3525, ENG 3530, ENG 3565, ENG 3580 or ENG 3680.

Offering Location: Johnson Campus

ENG 4160 - Investigative Journalism

Credit(s): 3

This course focuses on best practices for in-depth reporting- reporting that goes beyond the immediate facts and official accounts. Students learn to use public records, databases and fieldwork to probe deeply into stories, with greater focus on the who, the why and the overall context than is provided in the usual daily fare. Students will have a chance to grapple with complex stories that help define the political, social and environmental realities of Vermont. Good investigative reporting, however, involves more than focused research techniques; students will learn how to hone analytical skills and to understand the legal and ethical issues involved in the craft. This class will emphasize stories that require planning, research and clear goals toward greater understanding of important public issues.

Prerequisites: ENG 2051; ENG 2052; ENG 3022

Offering Location: Johnson Campus

ENG 4250 - Advanced Critical Approaches

Credit(s): 3

This course provides an intensive examination of contemporary theories and methods of critical analysis of textual and visual forms of storytelling. The focus is on understanding criticism both as a mode of thinking and as an art in its own right, including philosophical, social, and literary dimensions, through the careful reading of preeminent theoretical writings.

Prerequisites: FLM 3010, FLM 3610, or one ENG 2000- or 3000-level literature course, or permission.

Recommended: ENG 2250

Offering Location: Lyndon Campus

ENG 4510 - Literary Research Tutorial

Credit(s): 3

This course in bibliographic methods, research and writing represents the culmination of the undergraduate B.A. in English. Students will work intensively on a project of their own design, practicing the essential steps in literary research, writing and presentation.

Restrictions: Senior standing

Offering Location: Johnson Campus

ENG 4710 - Special Topics in English

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 4000-level not offered in the general English curriculum.

Prerequisites: This course may be repeated with a change of topic.

ENG 4720 - Seminar in Literature

Credit(s): 3

Intended for upper-level English majors, this seminar examines in depth a particular author, literary movement or literary theme. Students prepare intensive research-based seminar presentations and extended research papers.

Prerequisites: ENG 1072; two of the following survey courses: ENG 2171, ENG 2172, ENG 2281, ENG 2282, ENG 2321, ENG 2322, ENG 2510; and one of the following upper-level literature courses: ENG 3270, ENG 3320, ENG 3345, ENG 3380, ENG 3390, ENG 3395, ENG 3435, ENG 3480, ENG 3510, ENG 3520, ENG 3525, ENG 3530, ENG 3565, ENG 3580, ENG 3680.

Offering Location: Johnson Campus

ENG 4750 - Senior Seminar

Credit(s): 3

This course examines a single, advanced literary theme, author, or text in great detail. Specific topics that might be explored in any given semester include: Shakespeare's Globe; the Austen industry; Twain's America; The Canterbury Tales; Derrida and deconstruction; and Frost's poetry.

Prerequisites: One ENG 2000- or 3000-level literature course, or permission.

Restrictions: Junior standing.

Offering Location: Lyndon Campus

Repeatable for Credit: With a change of topic (but may be counted only once toward English program requirements).

ENG 4810 - Internship (J)

Credit(s): 1-12

Students plan and complete an approved internship in consultation with their faculty supervisor.

Offering Location: Johnson Campus

ENG 4810 - Internship in English (L)

Credit(s): 2-15

The internship provides students with practical experience in the application of their previous course work in the major. Arrangements for placement must be made with the supervising faculty member, faculty advisor, the site supervisor, and the Career Services office. Following approval of the work experience, students are required to submit a learning contract and biweekly reports.

Restrictions: By Permission.

Offering Location: Lyndon Campus

Repeatable for Credit: Yes, but only 3 credits may be counted toward program requirements.

ENG 4900 - Independent Study in English

Credit(s): 1 to 3

Independent Study offers students of English an opportunity to concentrate on an area of interest or to extend their range. The details of study are arranged between each student and the instructor. The course may be repeated for credit.

Prerequisites: The prerequisite is permission.

ENG 4900 - Independent Study in English (J)

Credit(s): 1-12

Students plan and complete an approved independent study in consultation with their faculty supervisor.

Offering Location: Johnson Campus

ENG 4910 - Senior Portfolio

Credit(s): 3

This course provides students the opportunity to demonstrate their competency and proficiency in writing. Students meet independently with a professor to produce a portfolio of written work.

Prerequisites: The prerequisite is permission. This course is offered every semester.

ENG 4920 - Senior Thesis

Credit(s): 3

A substantial writing project is required of students pursuing a B.F.A. in creative writing. Normally this project is completed during the final semester of the senior year. Students may work in any genre. The thesis is optional for students pursuing a B.A. Consult the Writing & Literature faculty for detailed information about developing a thesis project, finding a thesis adviser and carrying out the project.

Restrictions: Permission of instructor

Offering Location: Johnson Campus

ENG 4950 - Senior Capstone

Credit(s): 3

This course integrates the student's understanding of the history, issues, and demands of Literature or Film Studies through advanced readings, group discussions, and individually mentored projects. It culminates with a final project on a topic of interest to the student, which will require substantial research, writing, and reflection.

Restrictions: By Permission.

Offering Location: Lyndon Campus

Environmental Science

Environmental Science

ENV 1040 - Introduction to Oceanography

Credit(s): 3

Oceanography is a broad and multidisciplinary field in which many sciences are focused on the common goal of understanding how oceans work. This class is designed for the non-science major and will emphasize the role of basic scientific principles in the geological, biological, physical and chemical processes that govern the oceanic realm and how those oceanic processes affect the terrestrial realm. In addition, the connection between various oceanic processes and their impact on human existence and development will be explored.

Offering Location: Johnson Campus

ENV 1050 - Introduction to Earth Science

Credit(s): 4

An introduction to earth systems and processes, this course emphasizes understanding the reasons for the distribution patterns of minerals, rocks and continents, as well as a basic understanding of the principles of geology, geomorphology, meteorology and climatology. It is recommended as a beginning course for students in the environmental sciences major.

(includes a lab)

Offering Location: Johnson Campus

ENV 1060 - FYS: Nuclear Power & Society

Credit(s): 3

This introductory, interdisciplinary course examines several aspects of nuclear power. Students will be introduced to the basic science behind nuclear power (unstable isotopes, mining, nuclear power plants and waste disposal), the environmental and biological effects of the use of nuclear power, our economics and politics of nuclear power and the use of nuclear weapons throughout the world. Guest speakers will be invited to make presentations; field trips will allow students to engage activities, business and legislators in discussions related to nuclear power; and some of the class time will be devoted to the use for computer technology to develop presentations (e.g., Adobe Illustrator and Microsoft PowerPoint, Excel and Word).

Restrictions: First-year students only

Offering Location: Johnson Campus

ENV 1080 - Introduction to Environmental Science

Credit(s): 4

This course studies the environment and solutions to environmental problems. As an interdisciplinary academic field, it lies at the intersection of physical and biological sciences. This course introduces students to fundamental concepts in physical and ecological processes that shape our environment and the role that human civilizations have in shaping the environment. Emphasis is placed on examining solutions to current environmental problems including aspects of soil, water and air pollution, ecosystem services, biomimicry, environmental toxicology, living machines, phytoremediation, bioremediation and green chemistry. Central to this course are semester-long student projects.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

ENV 1090 - Introduction to Weather, Climate & Climate Change

Credit(s): 3

This course is designed to give students an appreciation of the difference between weather and climate and to have them develop an understanding of how weather phenomena are generated and the role/importance of weather in daily life. Also in this course, students will be exposed to one of the most hotly debated issues of the modern era, the topic of human-induced climate change.

Offering Location: Johnson Campus

ENV 1110 - Introduction to Environmental Problems

Credit(s): 3

This course surveys environmental issues that arise from their interaction, with particular emphasis on the impact of and on human beings.

Offering Location: Johnson Campus

ENV 1710 - Special Topics in Environmental Science

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 1000-level not offered in the general Environmental Science curriculum.

Prerequisites: This course may be repeated with a change of topic.

ENV 2025 - Nature Photography

Credit(s): 3

Nature photography is the particular application of digital photography to convey information about the natural world through artful and compelling images as well as written narrative to produce gallery-quality exhibits and articles that inspire stewardship of the environment and promote the respectful treatment of all animals and plants.

Offering Location: Johnson Campus

ENV 2040 - Introduction to Environmental Restoration

Credit(s): 4

[LGNR7] This course introduces students to the theory and practical applications of environmental restoration. A diverse array of habitat restoration techniques are addressed, including artificial cavity nest construction for birds, vernal pool creation for amphibians, streambank restoration, invasive exotic species control, and reptile hibernacula formation. The vast majority of the course is spent in the field involving hands-on restoration activities in local habitats working in concert with area landowners. The course emphasizes restoration techniques that may be readily used in area high school and junior high school science programs.

Prerequisites: The prerequisite is SCI 1030. There is a course fee. This course is offered every summer and as needed.

ENV 2050 - The Natural History of Vermont

Credit(s): 3

This course explores the historical development of the geology, weather, wildlife and vegetation of Vermont. Field work is required.

Offering Location: Johnson Campus

ENV 2060 - Energy, Environment, and Society

Credit(s): 4

This course focuses on such topics as energy sources and transformations, energy use and crises, environmental impact, alternative energy systems, solar energy, energy conservation, problems associated with nuclear power, and relations between energy use and environmental pollution.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

ENV 2080 - The Anthropocene

Credit(s): 3

A large, dominating human population has made lasting impacts on Earth. The choices we make today have a profound and lasting effect on Earth systems. We will explore the physical, chemical, and biological impacts preserved in the rock record that serve as a permanent testament to the expanding human population and discuss the influences that drive the choices that we make each day.

Offering Location: Johnson Campus

ENV 2090 - Sustainable Living

Credit(s): 3

This course addresses the global environmental consequences of contemporary human lifestyles and ways to live more sustainably, ranging from specific everyday measures that anyone can take to policies and approaches that can bring about broad societal change. Topics covered include solid waste reduction, recycling, composting, energy and water conservation, household heating, transportation of goods, paper and plastics industries, ore and mineral extraction, rainforest conservation, localvorkism, informed consumerism, and green product alternatives.

Offering Location: Lyndon Campus

ENV 2210 - Current Topics in Science

Credit(s): 1

A number of current environmental topics are explored in a seminar setting with a presentation by a speaker or panel followed by time for discussion. Presenters will be researchers or practitioners in environmental science. Students will keep a journal of all presentations.

Offering Location: Johnson Campus

ENV 2401 - Student Knowledge Improvement & Leadership Learning Seminar I

Credit(s): 2

Be part of a group of science majors who believe that there are a number of skills and frames of mind, that when nurtured during the first year of college, have long-lasting benefits. Start your college science education by building connections and learning the basics of what it takes to be a successful scientist in college and beyond.

Offering Location: Johnson Campus

Repeatable for Credit: Yes.

ENV 2402 - Student Knowledge Improvement & Leadership Learning Seminar II

Credit(s): 2

Be part of a group of science majors who believe that there are a number of skills and frames of mind, that when nurtured during the first year of college, have long-lasting benefits. Start your college science education by building connections and learning the basics of what it takes to be a successful scientist in college and beyond.

Prerequisites: ENV 2401.

Offering Location: Johnson Campus

Repeatable for Credit: Yes.

Notes: *(This course builds upon the objectives of ENV 2401.)*

ENV 2710 - Special Topics in Environmental Science

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 2000-level not offered in the general Environmental Science curriculum.

Prerequisites: This course may be repeated with a change of topic.

ENV 2810 - Internship in Environmental Science

Credit(s): 1-12

Students plan and complete an approved internship in consultation with their faculty supervisor.

Offering Location: Johnson Campus

ENV 2910 - Independent Study in Environmental Science

Credit(s): 1-12

Offering Location: Johnson Campus

ENV 3010 - Land Use Planning

Credit(s): 3

This course covers the nature and characteristics of the land base and constraints on land use. It also looks at the institutional framework and techniques of land use control and planning. Topics such as the use of zoning, easements, variances and subdivisions are discussed.

Prerequisites: ENV 1110

Restrictions: Junior standing

Offering Location: Johnson Campus

ENV 3020 - Environmental Law

Credit(s): 3

This is an examination of the legal profession's involvement in management of natural resources. Students analyze major court decisions, federal and state statutes, federal rule-making procedures and administrative hearings.

Prerequisites: POS 1010 or POS 1020; and ENV 1110

Restrictions: Junior standing

Offering Location: Johnson Campus

ENV 3030 - Water Resources

Credit(s): 3

This course provides a comprehensive look at global and U.S. water resources by a detailed examination of the hydrologic cycle, precipitation distribution patterns and water quantity and quality. Both surface and ground water sources are examined, as are various water uses and conflicts.

Prerequisites: ENV 1050; ENV 1110; CHE 1031

Offering Location: Johnson Campus

ENV 3040 - Energy & Mineral Resources

Credit(s): 3

This course considers the extent and geographical location of our mineral and energy resource base. It looks at the historical developments, changes through time, current usage and environmental impacts of resources use. Geological constraints, transportation, pricing policies, shortages, governmental regulations and pollution problems are some of the topics covered.

Prerequisites: ENV 1050; ENV 1110; CHE 1031

Offering Location: Johnson Campus

ENV 3060 - Waste Reduction and Management

Credit(s): 2

This course discusses Important issues concerning waste management such as landfilling, recycling, and waste reduction. The relationship between solid waste, and environmental quality will be investigated. Methods that reduce waste or use certain wastes as a resource will be introduced.

Prerequisites: The prerequisite is junior standing. There is a course fee. This course is offered every even-numbered fall.

ENV 3070 - Environmental Site Assessment

Credit(s): 2

This course will cover methods of measuring and monitoring the environment. Properties and uses of sensors and analyzers such as gas chromatographs, infrared spectrometers, radioactivity sensors, and pollution detection/measurement equipment will be investigated. Also, methods of obtaining, and processing computer compatible data will be covered.

Prerequisites: The prerequisites are CHE 1032 and PHY 2032, or permission. There is a course fee. This course is offered every odd-numbered spring.

ENV 3110 - Environmental Pollution

Credit(s): 4

This course focuses on applying concepts of sustainable environmental management of chemicals. Emphasis is placed on the remediation of contaminated land and water with living technologies such as living machines, phytoremediation, bioremediation, and biomimicry. Discussion of current issues in environmental pollution including state, federal, and international legislation, current events, and emerging technologies occurs throughout the course.

Prerequisites: The prerequisites are one chemistry course and MAT 1410, or permission. There is a course fee. This course is offered every even-numbered spring.

ENV 3120 - Environmental Modeling

Credit(s): 2

This course is designed to introduce students to the basic concepts of modeling of various processes in the environment. The emphasis will be on the understanding of scientific principles underlying the models and software that describe typical models.

Prerequisites: The prerequisites are junior standing and MAT 1410, or permission. There is a course fee. This course is offered every odd-numbered fall.

ENV 3130 - Environmental Geology

Credit(s): 4

Environmental geology focuses on the relationship between people and the physical environment. This course will expose students to hazardous earth processes such as floods, seismic activity, landslides, volcanic activity and coastal threats. A limited understanding of soil formation, soil texture, porosity and permeability is of utmost importance to environmental issues and will also be addressed in this course.

(includes a lab)

Prerequisites: ENV 1050

Offering Location: Johnson Campus

ENV 3140 - OSHA Safety Course

Credit(s): 2

This course covers processes, techniques, and procedures that will enable students to identify, evaluate, and control hazardous situations. Students will acquire the knowledge and capability to develop safety plans and select the proper materials, and equipment for hazardous situations.

Prerequisites: The prerequisite is CHE 1032. There is a course fee. This course is offered every even-numbered spring.

ENV 3150 - Toxic & Solid Waste Management

Credit(s): 3

This course investigates the problems associated with the handling and disposal of wastes, both ordinary solids and those that are hazardous and radioactive. The course looks at topics such as waste disposal methods currently utilized; the laws and regulations governing transport, storage and disposal of toxic substances; how and where disposal can best be accomplished; the costs involved and who pays them; and how great a risk such materials pose to human health and the environment.

Prerequisites: ENV 1050; ENV 1110; CHE 1031

Offering Location: Johnson Campus

ENV 3160 - Coastal & Marine Resources

Credit(s): 3

This course examines the physical, chemical, biological and geological processes of the world's oceans and how these processes interact to provide resources. Utilization of marine pollution, coastal and resources use of wetlands and coastal development are discussed.

Prerequisites: ENV 1050; ENV 1110

Offering Location: Johnson Campus

ENV 3180 - Ecology & Landscape History of the Green Mountains

Credit(s): 4

In this course, students will spend three weeks in the field, exploring the ecology, natural history, cultural history, and modern issues found in the diverse ecosystems of the Green Mountains. During this time they will hike along America's oldest long-distance hiking trail, the Long Trail. The formative ecological and geologic processes, historical movements, cultural patterns, and current issues in this landscape that will be our classroom are often similar across the globe. Through gaining first-hand experience investigating these processes, students develop a "tool kit" that they can use to self-educate, teach, and lead wherever they go. Students participating in the class will learn through a combination of fieldwork (labs), ecological interpretation, facilitated discussion, and lectures.

Prerequisites: The prerequisite is permission There is a course fee.

ENV 3230 - National Parks & Wilderness Management

Credit(s): 3

This study of national parks and wilderness area management covers the historical, functional, ecological and evolutionary

aspects of these areas. Special attention is directed to the significance of these areas in the modern world and the management options offering the best chances of meeting both the needs of users and protecting the resource.

Prerequisites: ENV 1110

Restrictions: Not open to first-year students

Offering Location: Johnson Campus

ENV 3240 - Fundamentals of Soil Science

Credit(s): 4

This is an introduction to the formative processes of soils, their organic and inorganic constituents and physical properties. Topics include weathering processes and the role of climate and vegetation in development of soil types. Textural and structural analysis of soils, retention and movement of soil water and soil management practices are also covered.

(includes a lab)

Prerequisites: CHE 1031 or CHE 1055

Restrictions: Not open to first-year students

Offering Location: Johnson Campus

ENV 3250 - Meteorology & Climatology

Credit(s): 4

This course provides a comprehensive look at the processes that interact together to form various types of weather and weather-related phenomena. The major processes that are explored include the composition of the atmosphere, atmospheric pressure and pressure gradients, atmospheric warming and cooling, atmospheric moisture and cloud formation, air movement and frontal boundaries along with a description of severe weather events such as hurricanes and tornadoes. This course also examines the link between weather and climate and how we can utilize past climate change along with current weather patterns to make predictions for future climate change.

(includes a lab)

Prerequisites: CHE 1031

Offering Location: Johnson Campus

ENV 3260 - Global Climate Change

Credit(s): 3

This course will focus on the scientific principles underpinning climate change and the differences between natural climate change/climate variability and human-induced (anthropogenic) climate change. It will explore what processes/factors have led to climate change in the geological past and how these have shaped the world as we experience it today. Discussion of traditional fossil fuel energy resources as agents of climate change and the value of alternative energy strategies will be explored. The course will also examine the social, economic and political factors that are being and have been used to frame our current understanding of this issue, especially with regard to how we mitigate its impacts.

Prerequisites: ENV 1050 or equivalent

Offering Location: Johnson Campus

ENV 3310 - Applications in GIS

Credit(s): 4

Geographic Information Systems (GIS) have been designed as electronic ways to store large volumes of data. In the environmental field, GIS systems have become a very important tool for storing environmental data, as a way to produce maps and encode valuable information and data about map features that can be readily accessed for environmental projects. This class is designed to give students in the environmental field and other science disciplines a working knowledge of how GIS systems are compiled and utilized.

(includes a lab)

Offering Location: Johnson Campus, Lyndon Campus

ENV 3400 - Advanced GIS: Spatial Modeling

Credit(s): 4

This course focuses on using spatial reasoning to create spatially and time explicit models. Topics include how statistics can be used to quantify existing patterns, advanced suitability modeling, dynamic modeling and reserve design. The course also teaches the fundamentals of scripting programming in the object-oriented environment, which is necessary for customizing the GIS environment and developing more complex relationships.

(includes a lab)

Prerequisites: ENV 3310

Offering Location: Johnson Campus, Lyndon Campus

ENV 3710 - Special Topics in Environmental Science

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 3000-level not offered in the general Environmental Science curriculum.

Prerequisites: This course may be repeated with a change of topic.

ENV 4010 - Global Environmental Issues

Credit(s): 3

This seminar focuses on international environmental issues such as destruction of the tropical rain forests; ozone depletion; international movement of endangered species, pelts and live animals; the increasing transport of inadequately tested pharmaceuticals and pesticides; and the export of toxic waste from industrial to less developed countries.

Prerequisites: ENV 1110

Restrictions: Junior standing

Offering Location: Johnson Campus

ENV 4710 - Special Topics in Environmental Science

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 4000-level not offered in the general Environmental Science curriculum.

Prerequisites: This course may be repeated with a change of topic.

ENV 4710 - Special Topics in Environmental Science (J)

Credit(s): 1-3

The topics addressed in this course vary and are noted prior to the registration period.

Offering Location: Johnson Campus

ENV 4720 - Senior Thesis

Credit(s): 3

Students conduct an individual research project, write a thesis, give an oral presentation and prepare a paper for publication. This capstone course allows the student to combine the skills and knowledge gleaned from previous courses with a self-designed research project that requires the student to ask a good question, develop appropriate techniques and conduct appropriate research. The research topic is to be chosen by the student in consultation with a member of the faculty. A thesis outline must be submitted to the supervising faculty member (or members) prior to commencement of research. This type of practical, hands-on experience may be conducted at locations off campus, in conjunction with a work-study project, internship or on-campus research. The project must be completed within two semesters.

Restrictions: Senior standing

Offering Location: Johnson Campus

ENV 4730 - Senior Seminar

Credit(s): 3

Through this seminar, students have an opportunity to apply what they have learned by developing and completing a library or field research project under faculty guidance. The project culminates in an oral presentation and a final research paper or project report.

Restrictions: Senior standing

Offering Location: Johnson Campus

ENV 4810 - Internship in Environmental Science

Credit(s): 1-12

Students plan and complete an approved internship in consultation with their faculty supervisor.

Offering Location: Johnson Campus

ENV 4910 - Independent Study in Environmental Science

Credit(s): 1-12

Offering Location: Johnson Campus

Exercise Science

Exercise Science

XSC 1025 - New Student Seminar in Exercise Science

Credit(s): 3

This course introduces new students to the Exercise Science major, the field of exercise science, and the college community. Topics may include professionalism, time management, study skills, advising, academic planning, general education, available campus resources, and adjustment to higher education.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

XSC 1090 - Introduction to Exercise Science

Credit(s): 3

This course offers an overview of the professional study of exercise science. Topics of study will include career options, professional standards, history of exercise science, research and analysis, measurement techniques, human anatomy, human physiology, epidemiology, components of fitness, nutrition, biomechanics, motor control, and sports psychology.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

XSC 1121 - Resistance Training

Credit(s): 1

This course introduces students to the various accessory exercises that can be incorporated into a resistance training program. Attention will be given to the proper execution and instruction of each exercise, the major muscles that are trained by the exercises, and the ways in which the exercises can be incorporated into a larger training program for health and/or athletic performance.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

XSC 1122 - Olympic Weightlifting and Powerlifting

Credit(s): 1

This course introduces students to the movements that are part of competitive Olympic Weightlifting and Powerlifting. Attention will be given to the proper execution and instruction of each exercise, the major muscles that are trained by the exercises, and the ways in which the exercises can be incorporated into a larger training program for health and/or athletic performance.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

XSC 1123 - Core Training

Credit(s): 1

This course introduces students to the anatomical structures that comprise the abdominal and torso regions of the human body, and how the muscles in this region can be trained to prevent injury and improve performance.

Prerequisites: There is a course fee. This course is offered every fall.

XSC 1255 - Fitness for Health and Performance

Credit(s): 3

This course introduces the health related components of fitness (muscular strength, muscular endurance, cardiorespiratory endurance, flexibility, and body composition) and the performance-related components of fitness (speed, power, agility, neuromuscular coordination, reaction time, and balance). Lectures and physical activity sessions will emphasize these components.

Prerequisites: There is a course fee. This course is offered every semester.

XSC 1260 - Professional Experience

Credit(s): 1

This experiential course includes supervised education and professional activity at a conference, symposium, workshop, or related exercise science or sports medicine event. The course may be repeated for credit with departmental approval.

Prerequisites: The prerequisites are XSC 1090 and permission. There is a course fee. This course is offered every semester.

XSC 1710 - Special Topics in Exercise Science

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 1000-level not offered in the general Exercise Science curriculum.

Prerequisites: This course may be repeated with a change of topic.

XSC 2050 - Human Gross Anatomy

Credit(s): 4

[LGSE8] This course will examine regional, systemic, and clinical study of the structure of the human body. Topics will include but are not limited to the skeletal, muscular and nervous systems.

Prerequisites: This course is offered every fall. There is a course fee. The prerequisite is BIO 1210 or BIO 1212.

XSC 2055 - Human Physiology

Credit(s): 4

This course will examine regional, systemic, and clinical study of the function of the human body. Topics will include but are not limited to homeostatic control mechanisms as a function of the cardiovascular, respiratory, endocrine, thermoregulatory, muscular, and skeletal systems.

Prerequisites: The prerequisite is XSC 2050. This course is offered every spring. There is a course fee.

XSC 2060 - Sport and Exercise Psychology

Credit(s): 3

This course explores theory, research, and application in sport and exercise psychology with the intent to educate coaches, athletes, parents, exercisers, fitness professionals, and aspiring allied health professionals (AT, PT, OT, PA) about the psychological aspects of their sport or activity. A primary goal of this course is to identify strategies to facilitate optimal involvement, performance, enjoyment, and behavioral change in sport and exercise.

Prerequisites: There is a course fee. This course is offered every spring.

XSC 2111 - Care and Prevention of Injuries

Credit(s): 3

This course provides a base of knowledge related to the prevention of athletic injuries. Topics may include epidemiology of athletic injuries, pre-participation procedures, basic conditioning and strength training, environmental conditions, nutrition, and the policies and procedures related to the protection of athletes.

Prerequisites: There is a course fee. This course is offered every spring.

XSC 2121 - Taping and Wrapping

Credit(s): 2

This course introduces students to the principles and techniques of athletic taping and wrapping, for the purpose of caring for and preventing athletic injury. Students will work in a hands-on setting, using knowledge of anatomy to learn common taping and wrapping techniques for the upper and lower extremities.

Prerequisites: The prerequisite is XSC 2050. There is a course fee. This course is offered every spring.

XSC 2140 - Personal and Community Health

Credit(s): 3

This course, a study of the human organism in today's changing society, stresses discussion and involvement in topics that shape students' futures. The instruction seeks to increase student awareness of personal health topics and to help them make decisions suitable to their personal health needs.

Prerequisites: There is a course fee. This course is offered every spring.

XSC 2710 - Special Topics in Exercise Science

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 2000-level not offered in the general Exercise Science curriculum.

Prerequisites: This course may be repeated with a change of topic.

XSC 3010 - Foundations of Orthopedic Evaluation

Credit(s): 4

This course introduces foundational practices and procedures of orthopedic evaluation. Topics may include injury mechanisms, common orthopedic injuries, and the foundational skills necessary to conduct an orthopedic evaluation for different parts of the body.

Prerequisites: The prerequisites are XSC 2050 and XSC 2111. There is a course fee. This course is offered every fall.

XSC 3015 - Advanced Seminar in Exercise Science

Credit(s): 1

This course prepares junior students in the department of Exercise Science for the demands of an academic internship, graduate school and the job application process. Topics may include professional resume building, cover letter composition, interview skills, professional communication, and organization during the graduate school and/or job application process.

Prerequisites: The prerequisite is permission. There is a course fee. This course is offered every spring.

XSC 3020 - Foundations of Therapeutic Interventions

Credit(s): 3

This course introduces practices and procedures for the treatment and rehabilitation of orthopedic injuries, with an emphasis on tissue response to injury, healing processes, therapeutic exercise, and therapeutic modalities including electronic and manual techniques.

Prerequisites: The prerequisites are XSC 2050 and XSC 3010. There is a course fee. This course is offered every spring.

XSC 3080 - Fundamentals of Personal Training

Credit(s): 3

This course introduces fundamental concepts of fitness instruction through classroom and experiential components. Topics may include applied exercise physiology, risk classification, individualized exercise programming, instructional techniques, nutrition and fitness assessment, and professional responsibility. This course will prepare students for the National Strength and Conditioning Association Certified Personal Trainer (NSCA-CPT) examination.

Prerequisites: The prerequisite is XSC 3150. There is a course fee. This course is offered every spring.

XSC 3120 - Kinesiology

Credit(s): 3

This course emphasizes the study of human motion in sport and exercise from a mechanical perspective, including a quantitative and qualitative analysis of the kinematic and kinetic states during gross human locomotion, and applies vector analysis, trigonometric relationships, and mathematical functions.

Prerequisites: The prerequisites are XSC 2050, XSC 2055, and MAT 1020. There is a course fee. This course is offered every spring.

XSC 3130 - Coaching Principles

Credit(s): 3

The course is designed to introduce students to the fundamental principles of coaching. Topics studied include developing a coaching philosophy, sport pedagogy, communicating with your athletes, the management functions and roles of a coach, and elements of sport physiology related to athlete/team conditioning and preparation. Students will learn via lecture material, role playing, and considerations of the practical application of coaching principles to real-life situations.

Prerequisites: There is a lab fee. This course is offered in the spring.

XSC 3150 - Physiology of Exercise

Credit(s): 4

This course provides a systematic study of human physiological, biochemical processes, activities and phenomena as observed during and after physical exercise.

Prerequisites: The prerequisite is XSC 2055. There is a course fee. This course is offered every fall.

XSC 3710 - Special Topics in Exercise Science

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 3000-level not offered in the general Exercise Science curriculum.

Prerequisites: This course may be repeated with a change of topic.

XSC 3810 - Practicum in Exercise Science

Credit(s): 2 to 6

This course provides students with an experiential opportunity exercise science as a potential precursor to an internship and/or advanced practicum. The course may be repeated for credit, but the cumulative total may not exceed 6 credits. The practicum must be pre-approved by a mentoring faculty member in the Department of Exercise Science.

Prerequisites: The prerequisites are junior standing and permission. There is a course fee. This course is offered every semester.

XSC 4010 - Motor Learning and Control

Credit(s): 3

This course offers a study of human motor function from a physiological and pedagogical perspective that explains the acquisition and execution of refined motor tasks. Specific emphasis is placed on the learning models that can be used to facilitate the development of human movement for athletes, clients, and patients. Further emphasis is placed on the sensory-motor system and how this physiological system informs the performance of movements through the human life-span.

Prerequisites: The prerequisites are XSC 3120 and XSC 3150. There is a course fee. This course is offered every fall.

XSC 4071 - Assessment of Exercise Science

Credit(s): 3

This course focuses on the development, evaluation and practical application of assessment techniques used in the field of Exercise Science areas. Topics may include measurement devices, statistical analysis, and review of current research.

Prerequisites: The prerequisite is XSC 3150 or permission. There is a course fee. This course is offered every fall.

XSC 4072 - Research Methods in Exercise Science

Credit(s): 3

This course provides the senior capstone experience for all Exercise Science majors. The format for the research varies according to students' selected track. A student must have the sponsorship of a department faculty member and departmental approval of a research contract.

Prerequisites: The prerequisite is XSC 4071. There is a course fee. This course is offered every spring.

XSC 4080 - Fundamentals of Strength and Conditioning

Credit(s): 4

This course examines advanced concepts that underlie the improvement of team athletic performance. Lecture and laboratory contexts will emphasize the scientific basis and practical application of speed, strength, conditioning, and agility programs. This

course will prepare students for the National Strength and Conditioning Association Certified Strength and Conditioning Specialist (CSCS) examination.

Prerequisites: The prerequisites are XSC 3120 and XSC 3150. There is a course fee. This course is offered every spring.

XSC 4090 - Exercise Testing and Prescription

Credit(s): 4

This course introduces students to the principles and practices underlying accurate and appropriate exercise testing methods and prescription of exercise as an intervention for a broad spectrum of apparently healthy participants. Lecture and laboratory sessions may include preliminary health screening and risk classification, and designing various exercise prescriptions such as cardiorespiratory, resistance training, flexibility, and body composition/weight management. In conjunction with XSC 4150, this course will prepare students for the American College of Sports Medicine Certified Exercise Physiologist (EP-C) certification examination.

Prerequisites: The prerequisite is XSC 3150 and the co-requisite is XSC 4130. There is a course fee. This course is offered every fall.

XSC 4130 - Practical Applications in Exercise Science

Credit(s): 2

This course reinforces and expands on academic, laboratory, and practical components of exercise prescription through the facilitation of a community-based health/fitness intervention program for older adults. Topics may include HIPAA privacy policy, preliminary clinical case-study reports, group exercise testing, and design and implementation of evidence-based group exercise programs.

Prerequisites: The co-requisite is XSC 4090 or XSC 4150. There is a course fee. This course is offered every semester. This course may be repeated for credit.

XSC 4140 - Emergency Medical Technician

Credit(s): 3

This course is designed to introduce the skills that lead to Emergency Medical Technician - Basic (EMT-B) certification. Students who successfully complete the course are eligible to take the Vermont written and practical examinations that lead to certification and licensure in the state of Vermont. Students are also eligible to obtain National Registry status for EMT-B. The course content meets the Department of Transportation guidelines that have been established for the EMT-B course curriculum. Current affiliation with a rescue organization is required upon course registration.

Prerequisites: The prerequisite is permission. There is a course fee. This course is offered every other spring.

XSC 4150 - Clinical Exercise Prescription

Credit(s): 3

This course introduces the study of applied clinical exercise physiology and its use in exercise testing and prescription for clinical populations. Topics may include cardiovascular disease, metabolic disease, and pulmonary disease. In conjunction with XSC 4090, this course will prepare students for the American College of Sports Medicine Certified Exercise Physiologist (EP-C) certification examination.

Prerequisites: The prerequisite is XSC 4090 and the co-requisite is XSC 4130. There is a course fee. This course is offered every spring.

XSC 4710 - Special Topics in Exercise Science

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 4000-level not offered in the general Exercise Science curriculum.

Prerequisites: This course may be repeated with a change of topic.

XSC 4810 - Internship In Exercise Science

Credit(s): 3 to 12

The internship offers a full or part-time placement in an approved Exercise Science setting under the direct supervision of a qualified professional.

Prerequisites: The prerequisites are XSC 3015, senior standing, cumulative GPA of 2.8 or above, and permission. The internship may be repeated for up to a total of 12 credits. This course is offered every semester. There is a course fee.

XSC 4820 - Advanced Practicum in Exercise Science

Credit(s): 2 to 6

This course provides NSCA certified students with an experiential opportunity to design and administer strength and conditioning programs and/or health fitness instruction to sports teams, organizations, and/or community members. The course may be repeated for credit, but the cumulative total may not exceed 6 credits. The practicum must be approved by a mentoring faculty member in the Department of Exercise Science.

Prerequisites: The prerequisites are XSC 3810, senior standing, and permission. This course is offered every semester.

XSC 4910 - Independent Study

Credit(s): 1 to 6

This course provides students the opportunity to become involved in a project not offered in the general Exercise Science curriculum. The course requires work with a faculty member in designing and evaluating the project. The course may be repeated for credit but the total may not exceed six credits.

Prerequisites: The prerequisites are junior or senior standing and by arrangement with a departmental faculty member.

Film Studies

Film Studies

FLM 1055 - Film Analysis and Appreciation

Credit(s): 3

This course is an introduction to the basic scholarly and evaluative approaches to film and video art, through critical analyses of narrative, documentary, animated, and experimental cinematic works.

Corequisites: ENG 1081, or permission.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

FLM 1710 - Special Topics in Film Studies

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 1000-level not offered in the general Film Studies curriculum.

Prerequisites: This course may be repeated with a change of topic.

FLM 2015 - History of Cinema I

Credit(s): 4

This course surveys the social and aesthetic impact and development of cinema from its literary and technological origins in the nineteenth century through World War II. Topics include the French and American early silent cinema, Soviet expressive montage, German expressionist cinema, the French surrealist avante garde, the advent of sound, the predominance of the Hollywood studio system, and the growth of national cinemas around the world.

Prerequisites: FLM 1055 or ENG 1082 or permission.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

FLM 2025 - History of Cinema II

Credit(s): 4

This course surveys the social and aesthetic impact and development of cinema after World War II until the present day. Topics include the rise of independent filmmaking, Italian neo-realism, the development of the Auteur Theory, the growth of art cinema, the French new wave, New Hollywood, and contemporary developments, including home video and digital technologies.

Prerequisites: FLM 1055 or ENG 1082 or permission.

Recommended: FLM 2015

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

FLM 2710 - Special Topics in Film Studies

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 2000-level not offered in the general Film Studies curriculum.

Prerequisites: This course may be repeated with a change of topic.

FLM 3010 - Auteur Filmmakers Seminar

Credit(s): 4

[LGWL2] The subject of this course varies each semester and offers the advanced student of cinema intensive study of the works of a single premier filmmaker or of a group of closely related filmmakers. This course may be repeated for credit with a change of topic, but may count only once toward program requirements. There is a required screening lab attached to this course.

Prerequisites: The prerequisite is FLM 1055 or ENG 1082 or permission. There is a course fee. This course is offered every odd-numbered fall.

FLM 3320 - Film and Culture Seminar

Credit(s): 3

[LGWL2] This course examines the intersection of film and culture by exploring various themes and issues from the history of cinema in their cultural contexts. Topics include the work of particular filmmakers, the codes and conventions of specific genres, and the evolution of noteworthy subjects across a variety of films. Specific themes or issues that might be explored in any given semester include: Food on Film, The Cold War, and American Horror Stories. This course may be repeated with a change of topic but may be counted only once toward program requirements.

Prerequisites: The prerequisite is FLM 1055 or ENG 1082 or permission. There is a course fee. This course is offered every summer.

FLM 3610 - Film Studies Seminar

Credit(s): 4

[LGWL2] The subject of this course varies each semester and offers the advanced student of cinema intensive humanistic study of specialized generic, stylistic, and creative problems in the fields of film and/or video. This course may be repeated with a change of topic, but may count only once toward program requirements. There is a required screening lab attached to this course.

Prerequisites: The prerequisite is FLM 1055 or ENG 1082 or permission. There is a course fee. This course is offered every even-numbered fall.

FLM 3710 - Special Topics in Film Studies

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 3000-level not offered in the general Film Studies curriculum.

Prerequisites: This course may be repeated with a change of topic.

FLM 4010 - Theory of Cinema

Credit(s): 4

[LGWL2] This course investigates the salient theories of cinema from the pioneering work of Eisenstein and Pudovkin to current work in ideological, structuralist, and semiotic analysis. Reference is made to traditional literary and art criticism and to relevant sociological and anthropological research, but little attention is paid to routine journalistic film criticism.

Prerequisites: The prerequisite is permission. There is a course fee.

FLM 4710 - Special Topics in Film Studies

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 4000-level not offered in the general Film Studies curriculum.

Prerequisites: This course may be repeated with a change of topic.

FLM 4810 - Internship in Film Studies

Credit(s): 2-15

The internship provides students with practical experience in the application of their previous course work for the major. Arrangements for placement must be made with the supervising faculty member, faculty advisor, the site supervisor, and the Career Services office. Following approval of the work experience, students are required to submit a learning contract and biweekly reports.

Prerequisites: The prerequisite is permission. The internship may be repeated for credit, but only 3 credits may be counted toward program requirements.

Foreign Language

Foreign Language

FLL 1010 - Immersion Experience

Credit(s): .5 to 6

This course explores a variety of topics in a foreign language by immersing students in different areas of linguistic, cultural, and historical interest. The course requires the use of the foreign language during the planned course experiences. Students are expected to attend class meetings prior to the immersion experience to prepare for it, and afterwards to process it. This course may be repeated when no duplication of experience results.

Prerequisites: The prerequisite is permission. There is a course fee. This course is offered every semester.

FLL 1710 - Special Topics in Foreign Language

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 1000-level not offered in the general Foreign Language curriculum.

Prerequisites: This course may be repeated with a change of topic.

FLL 2710 - Special Topics in Foreign Language

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 2000-level not offered in the general Foreign Language curriculum.

Prerequisites: This course may be repeated with a change of topic.

FLL 2810 - Co-op in Foreign Language

Credit(s): 1 to 6

This course gives students the opportunity to put to use the linguistic and cultural acquisitions made in class within a foreign language-related placement. The placement must be approved in advance by the Social Science Department, the employer and the college Cooperative Education office. See the section on Cooperative Education elsewhere in this catalog.

Prerequisites: The prerequisites are sophomore standing and permission.

FLL 2910 - Independent Study in Foreign Language

Credit(s): 3

Independent Study in Foreign Language allows the student to pursue the exploration of a topic of foreign language not offered in the regular curriculum, under the tutelage of a mentor fluent in the requisite language. An independent study contract must be negotiated with the instructor and filed before registering for this course.

Prerequisites: The prerequisites are sophomore standing and permission.

FLL 3710 - Special Topics in Foreign Language

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 3000-level not offered in the general Foreign Language curriculum.

Prerequisites: This course may be repeated with a change of topic.

FLL 4710 - Special Topics in Foreign Language

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 4000-level not offered in the general Foreign Language curriculum.

Prerequisites: This course may be repeated with a change of topic.

French

French

FRE 1111 - French I

Credit(s): 3

This function-based course instills basic conversational patterns, the fundamentals of grammar, elementary reading selections, and writing skills. The instruction treats some aspects of French culture and civilization. The course is designed for those students who have had no previous French, or not more than a year or two of high school French.

Corequisites: FRE 1111L for an additional credit. (Johnson)

Offering Location: Johnson Campus, Lyndon Campus

Notes: *There is a course fee.*

FRE 1111L - French I Lab

Credit(s): 1

This is the first course in a two-semester sequence. It is a comprehensive program appropriate for true beginners as well as those with one to two years of secondary French. Students develop listening, speaking, reading and writing skills and are introduced to French and francophone culture and civilization. This course requires work in a language laboratory in addition to regular class meetings. This shared course may have different prerequisites at the other VSC colleges.

Offering Location: Johnson Campus

FRE 1112 - Intermediate French

Credit(s): 3

The second semester of this introductory level course continues to build on basic skill with further development of cultural, aural, written, speaking, and reading skills.

Corequisites: FRE 1112L for an additional credit. (Johnson)

Offering Location: Johnson Campus, Lyndon Campus

FRE 1112L - French II Lab

Credit(s): 1

The second semester of this introductory level course continues to build on basic skill with further development of cultural, aural, written, speaking and reading skills. This course requires work in a language laboratory in addition to regular class meetings.

This shared course may have different prerequisites at the other VSC colleges.

Prerequisites: FRE 1111 or two years of high school French or permission of instructor

Offering Location: Johnson Campus

FRE 1710 - Special Topics in French

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 1000-level not offered in the general French curriculum.

Prerequisites: This course may be repeated with a change of topic.

FRE 2011 - French III

Credit(s): 3

This is the first semester of an intermediate program designed to review material obtained either after three or more years of secondary French or after introductory, college-level French. It further develops listening, speaking, writing, reading and cultural skills, in a French and francophone context. This course requires work in a language laboratory in addition to regular class meetings.

Prerequisites: FRE 1112 or three years of high school French or permission of instructor

Offering Location: Johnson Campus

FRE 2011L - French III Lab

Credit(s): 1

This is the first semester of an intermediate program designed to review material obtained either after three or more years of secondary French or after introductory, college-level French. It further develops listening, speaking, writing, reading and cultural skills, in a French and francophone context. This course requires work in a language laboratory in addition to regular class meetings.

Prerequisites: FRE 1112 or three years of high school French or permission of instructor

Offering Location: Johnson Campus

FRE 2012 - French IV

Credit(s): 3

This is a continued study of French grammar, vocabulary and syntax, with further development of oral proficiency. The course includes practice in directed composition and informal oral and written reports. This course may require work in a language laboratory in addition to regular class meetings.

Prerequisites: FRE 2011 or four years of high school French or permission of instructor

Corequisites: FRE 2012L

Offering Location: Johnson Campus

FRE 2012L - French IV Lab

Credit(s): 1

This is a continued study of French grammar, vocabulary and syntax, with further development of oral proficiency. The course includes practice in directed composition and informal oral and written reports. This course may require work in a language laboratory in addition to regular class meetings.

Prerequisites: FRE 2011 or four years of high school French or permission of instructor

Offering Location: Johnson Campus

FRE 2710 - Special Topics in French

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 2000-level not offered in the general French curriculum.

Prerequisites: This course may be repeated with a change of topic.

FRE 2910 - Independent Study in French

Credit(s): 1-12 (Johnson); 1-4 (Lyndon)

Independent Study in French provides an opportunity for advanced study in selected areas of interest.

Offering Location: Johnson Campus, Lyndon Campus

FRE 3010 - Culture & Civilization through Correspondence & Conversation

Credit(s): 3

This course is intended for students at the intermediate level and those wishing to complete a minor in French. Based on the Cultura Project at MIT, this class pairs NVU-Johnson students with Canadian students studying English at their cegep in Terrebonne, Quebec. An email correspondence over the semester allows students to explore a wide range of topics such as food, family, current issues, holidays, heroes and health care. NVU-Johnson students write in English and Quebec students write in French. This native language use on questionnaires and in correspondence offers cultural nuances to be fully expressed. This cross-cultural approach offers learners a chance to observe, compare and analyze similar materials from two target cultures. Within the classroom setting, students discuss their reactions and observations all in French, the target language. A home-stay immersion experience in Quebec may be included.

Offering Location: Johnson Campus

FRE 3710 - Special Topics in French

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 3000-level not offered in the general French curriculum.

Prerequisites: This course may be repeated with a change of topic.

FRE 4710 - Special Topics in French

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 4000-level not offered in the general French curriculum.

Prerequisites: This course may be repeated with a change of topic.

FRE 4910 - Independent Study in French

Credit(s): 1-12

Students plan and complete an approved independent study in consultation with their faculty supervisor.

Offering Location: Johnson Campus

Geographic Information Systems

Geographic Information Systems

GIS 1050 - Introduction to Fundamentals of Geographic Information Systems (GIS) and Global Positioning Systems (GPS)

Credit(s): 3

This course introduces students to the technical components of data acquisition, map projections, scale and cartographic features of basic map composition. Students will be introduced to ARCVIEW, ESRI GIS system.

Prerequisites: This course is offered every fall.

GIS 1710 - Special Topics in Geographical Information Systems

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 1000-level not offered in the general Geographic Information Systems curriculum.

Prerequisites: This course may be repeated with a change of topic.

GIS 2010 - Spatial Analysis Techniques in Geographic Information Systems

Credit(s): 3

This course builds upon basic GIS spatial analytical techniques such as: buffering, interpolation, overlay techniques and concepts for both vector and raster based GIS applications. Students will be working on an ESRI desktop Spatial Analysis software extension.

Prerequisites: The prerequisites are sophomore standing and permission. There is a course fee. This course is offered every fall.

GIS 2710 - Special Topics in Geographical Information Systems

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 2000-level not offered in the general Geographic Information Systems curriculum.

Prerequisites: This course may be repeated with a change of topic.

GIS 3710 - Special Topics in Geographical Information Systems

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 3000-level not offered in the general Geographic Information Systems curriculum.

Prerequisites: This course may be repeated with a change of topic.

GIS 4710 - Special Topics in Geographical Information Systems

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 4000-level not offered in the general Geographic Information Systems curriculum.

Prerequisites: This course may be repeated with a change of topic.

Geography

Geography

GEO 1010 - Introduction to Geography

Credit(s): 3

This course addresses the question "Where?" by taking a regional approach to an understanding of the ecology of human and physical worlds. This course considers a place not only in terms of its unique environmental features but also in terms of its position in a network of economic, social, and political relationships that link one place with every other place.

Offering Location: Johnson Campus, Lyndon Campus

Notes: *This course is offered every semester (Lyndon).*

GEO 1710 - Special Topics in Geography

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 1000-level not offered in the general Geography curriculum.

Prerequisites: This course may be repeated with a change of topic.

GEO 2710 - Topics in Geography

Credit(s): Variable

This course provides students the opportunity to pursue topics of special interest in geography appropriate to the 2000-level that are not offered in the general Geography curriculum.

Prerequisites: This course may be repeated with a change of topic.

GEO 2910 - Independent Study in Geography

Credit(s): 1 to 3

Independent Study in Geography allows the student to pursue the exploration of a topic in geography not offered in the regular curriculum under the tutelage of a department faculty member. An independent-study contract must be negotiated with the instructor and filed before registering for this course.

Prerequisites: The prerequisites are sophomore standing and permission.

GEO 3710 - Special Topics in Geography

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 3000-level not offered in the general Geography curriculum.

Prerequisites: This course may be repeated with a change of topic.

GEO 4710 - Special Topics in Geography

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 4000-level not offered in the general Geography curriculum.

Prerequisites: This course may be repeated with a change of topic.

Geology

Geology

GEY 1111 - Introduction to Geology I

Credit(s): 4

This course investigates changes that have occurred in landscapes over a long time which are detected by a study of the processes of rock weathering, erosion, deposition, regional uplift and subsidence, folding and faulting, metamorphism and igneous activity. The instruction proposes a partial geologic history of northern New England that appears consistent with these processes and also consistent with observations made on field trips. The course provides exercises using topographic maps, vertical aerial photographs and geologic maps. The course requires three classroom hours and one two-hour lab per week.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

GEY 1710 - Special Topics in Geology

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 1000-level not offered in the general Geology curriculum.

Prerequisites: This course may be repeated with a change of topic.

GEY 2112 - Introduction to Geology II

Credit(s): 4

This course investigates the evolution of the northern Appalachian landscape with the help of small-scale geologic maps. It studies the evolution of other landscapes all over the world in the light of the geologic history of the northern Appalachians and Plate Tectonic Theory. The course includes one weekend-long field trip across northern Vermont and Canada. Weekly field labs include work in the White Mountains. The course requires three classroom hours and one two-hour lab per week.

Prerequisites: The prerequisite is GEY 1111. There is a course fee. This course is offered every fall.

GEY 2710 - Special Topics in Geology

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 1000-level not offered in the general Geology curriculum.

Prerequisites: This course may be repeated with a change of topic.

GEY 3035 - Aqueous Geochemistry

Credit(s): 4

This course introduces students to the theoretical foundations governing the chemistry of ground and surface waters. Particular attention is given to carbonate and silica equilibria, which are the systems most responsible for the chemical behavior of natural waters. The course includes four hours of lecture per week.

Prerequisites: The prerequisites are CHE 1031 and GEY 1111. CHE 1032 is strongly recommended. There is a course fee. This course is offered upon student demand.

GEY 3040 - Mineral Resources

Credit(s): 4

This course explores the mineralogy, geologic setting and development of mineral resources and the environmental effects resulting from resource extraction. Geologic resources of Vermont are emphasized. Field work will be included as topics permit.

Prerequisites: The prerequisite is GEY 1111. There is a course fee. This course is offered every odd-numbered spring.

GEY 3110 - Hydrogeology

Credit(s): 4

This course focuses on groundwater hydrology including the hydrologic cycle, porosity and permeability of geologic materials, hydraulic head, flow nets, pump tests, steady and unsteady flow in aquifers, migration of solute fronts and the geology of groundwater occurrence. Other topics include flood control, effects of waste disposal on groundwater quality and factors affecting drinking water supplies.

Prerequisites: The prerequisite is GEY 1111. There is a course fee. This course is offered every odd-numbered fall.

GEY 3110 - Hydrogeology

Credit(s): 4

This is an applied hydrogeology course with lecture, laboratory and field experience. Course material includes qualitative and quantitative treatment of the hydrologic cycle, ground water flow, well hydraulics, water quality and water resource issues.

(with lab)

Prerequisites: ENV 1050

Offering Location: Johnson Campus

GEY 3120 - Field Geology

Credit(s): 4

This course introduces the student to the ways in which sedimentology, stratigraphy and structural geology are applied to situations regarding the interpretation of ancient environments and orogenic belts. Knowledge gleaned from this work is applicable to mining, civil engineering and groundwater pollution.

(includes a lab)

Prerequisites: ENV 1050

Offering Location: Johnson Campus

GEY 3710 - Special Topics in Geology

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 3000-level not offered in the general Geology curriculum.

Prerequisites: This course may be repeated with a change of topic.

GEY 4710 - Special Topics in Geology

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 4000-level not offered in the general Geology curriculum.

Prerequisites: This course may be repeated with a change of topic.

GEY 4820 - Geologic Evolution: Grand Canyon to Mt. Whitney -- Seminar

Credit(s): 2

This course examines the stratigraphic, structural and tectonic evolution of the southwestern Cordilleran Province from the Colorado Plateau east of the Grand Canyon to the Sierran Front near Mount Whitney in preparation for expedition GEY 4830. Detailed study of geologic processes, structures and landforms includes construction of geologic cross-sections, map and air photo interpretation and discussion of current literature. This course may be repeated for credit once with permission of the instructor but may be counted only once toward degree program requirements.

Prerequisites: The prerequisite is GEY 1111. GEY 2112 is recommended. This course is offered every even-numbered fall.

GEY 4830 - Geologic Evolution: Grand Canyon to Mt. Whitney - Expedition

Credit(s): 2

This course is a detailed field study of the geology of the southwestern Cordilleran Province from the Colorado Plateau east of the Grand Canyon to the Sierran Front near Mount Whitney. A twelve-day trip and 6-8 hours of pre- and post-trip class meetings are required. The course may be repeated for credit once with permission of the instructor but may be counted only once toward degree program requirements.

Prerequisites: Prerequisites are GEY 4820 and permission. There is a course fee. This course is offered every odd-numbered spring.

GEY 4840 - Geologic Evolution: Grand Canyon to Mt. Whitney -- Intensive

Credit(s): 4

This course offers intensive study of a portion of the stratigraphic, structural and tectonic evolution of the southwestern Cordilleran Province from the Colorado Plateau east of the Grand Canyon to the Sierran Front near Mount Whitney. Two class hours per week and an 8-day field trip to this area are required. Detailed study of geologic processes, structures and landforms will support the specific area chosen for study. This course may be repeated for credit once with permission of the instructor but may be counted only once toward degree program requirements.

Prerequisites: The prerequisite is GEY 4830 or permission. This course is offered every even-numbered spring.

GEY 4910 - Independent Study in Geology

Credit(s): 1-12

Students plan and complete an approved independent study in consultation with their faculty supervisor.

Offering Location: Johnson Campus

German

GER 1111 - German I

Credit(s): 3

An introduction to the fundamentals of the German language. The instruction focuses on grammar, vocabulary, and basic conversation forms, including elementary reading selections and writing. The course also provides an introduction to the culture of Germany.

GER 1710 - Special Topics in German

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 1000-level not offered in the general German curriculum.

Prerequisites: This course may be repeated with a change of topic.

GER 2710 - Special Topics in German

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 2000-level not offered in the general German curriculum.

Prerequisites: This course may be repeated with a change of topic.

GER 3710 - Special Topics in German

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 3000-level not offered in the general German curriculum.

Prerequisites: This course may be repeated with a change of topic.

GER 4710 - Special Topics in German

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 4000-level not offered in the general German curriculum.

Prerequisites: This course may be repeated with a change of topic.

History

History

HIS 1011 - Western Civilization I

Credit(s): 3

This course features lectures, readings, and discussions of the Western cultural heritage from the beginnings of civilization to 1715. The instruction includes discussion of the ancient civilizations of the Near East, Classical Greece and Rome, the development of Christianity, the Middle Ages, the Renaissance and Reformation in Europe, and the origins of the modern state system. The course emphasizes developing skills in reading, and understanding history.

Offering Location: Lyndon Campus

HIS 1030 - FYS: The Hidden History of Vermont: Class, Ethnicity & Gender

Credit(s): 3

This first-year seminar provides students with a new, more diverse perspective on the history of class, ethnicity and gender in Vermont and their place within it. Students begin by discovering their own history in terms of class, ethnicity and gender and then broaden their perspective to include the larger world of Northern Vermont University-Johnson, Lamoille County and Vermont. Guest speakers provide students with firsthand information of how class, ethnicity and gender shape the experiences of Vermonters.

Restrictions: First-year students only

Offering Location: Johnson Campus

HIS 1101 - FYS: Truthiness 101: A Brief History of Consumer Culture

Credit(s): 3

"Truthiness" is a term that television comedian Stephen Colbert popularized in 2005. He used it to describe things that a person claims to know intuitively or "from the gut" without regard to evidence, logic, intellectual examination or actual facts. The overarching goals of this class is to explore some of the "truthiness" of the economic world we inhabit. How did buying, selling, shopping and advertising become such integral elements of 18th- and 19th-century European life? What effects did the proliferation of consumer culture have on social relationships and identity? How did intellectuals strive to make sense of the changes they saw around them? What lessons, if any, can we take from this history for understanding our own situation?

Restrictions: First-year students only

Offering Location: Johnson Campus

HIS 1111 - World History I

Credit(s): 3

This course is an introduction to the world's major civilizations: Ancient Mediterranean (Egypt, Mesopotamia, Palestine, Greece, Rome); European; South Asian (India, Pakistan and Bangladesh), East Asian (China, Korea and Japan), African; Islamic and Mesoamerican from their origins to the time of the global expansion of European civilization.

Offering Location: Johnson Campus, Lyndon Campus

HIS 1112 - World History II

Credit(s): 3

This course explores the continuing development of the world's major civilizations: European/American, South Asian (India, Pakistan and Bangladesh), East Asian (China, Korea and Japan), African and Islamic from the time of European global expansion to the present, with particular attention given to the problems and challenges of globalization.

Offering Location: Johnson Campus, Lyndon Campus

HIS 1211 - American History I

Credit(s): 3

This course offers a study of the foundation of American society, and emphasizes the growth of democracy, sectional interests and conflicts, and the frontier through the Civil War.

Offering Location: Johnson Campus, Lyndon Campus

Notes: *This course is offered every fall.*

HIS 1212 - American History II

Credit(s): 3

This course offers a study of the American civilization from reconstruction to the present, and emphasizes industrialization, immigration and imperialism, the two World Wars, the New Deal, and the problems of contemporary America.

Restrictions: Sophomore standing (Lyndon)

Offering Location: Johnson Campus, Lyndon Campus

Notes: *This course is offered every spring.*

HIS 1710 - Special Topics in History

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 1000-level not offered in the general History curriculum.

Prerequisites: This course may be repeated with a change of topic.

HIS 2140 - The Civil War

Credit(s): 3

This course explores the causes and effects of the Civil War, focusing on issues important both then and now, such as states' rights, the treatment of blacks and minorities, a political Supreme Court and reactions to the war.

Offering Location: Johnson Campus

HIS 2210 - Women in U.S. History

Credit(s): 3

This course examines the changing roles and important contributions of women in American history. Well-known figures such as Abigail Adams, Elizabeth Cady Stanton and Jane Adams are explored along with less prominent women.

Recommended: HIS 1211 and HIS 1212

Offering Location: Johnson Campus

HIS 2240 - Survey of Eurasia

Credit(s): 3

This course is a survey of Eurasian history beginning from the Byzantine Empire through Kievan Russia and other Middle Age principalities to the present. The emphasis is on the periods since the establishment of Muscovite Russia and Ottoman Empire with such topics as leadership and succession; the role of Orthodox Church and Islam and other eastern religions on the development of the distinctive cultures in the region; outside influences and relationships with neighbors, colonization; efforts of reforms and role of the state in Russian Empire, revolutionary movements, the evolution of social, political and economic institutions. The use of novels, poetry, arts and films will complement historical analysis.

Offering Location: Lyndon Campus

HIS 2255 - Early Modern Europe

Credit(s): 3

This course examines European history from the medieval period through the French Revolution. We will survey the major events of this period, such as the Crusades, the Renaissance, the Reformation, the Age of Exploration and the Enlightenment, while also paying particular attention to the cultural, intellectual and social developments that accompanied these events. While this course is primarily concerned with European history, we will consider this history in a global context throughout the semester.

Offering Location: Johnson Campus

HIS 2285 - Modern Europe

Credit(s): 3

This course examines European history from the French Revolution to the collapse of the Soviet Union. The class surveys the critical events of the period, including the Industrial Revolution, imperialism, the two world wars and the Cold War. We focus particularly on the rapid cultural, economic, political and social transformations of Europe in the last two centuries, the projection of European power around the world and the response to European imperialism both inside and outside of Europe.

Offering Location: Johnson Campus

HIS 2710 - Special Topics in History

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 2000-level not offered in the general History curriculum.

Prerequisites: This course may be repeated with a change of topic.

HIS 2810 - Internship in History

Credit(s): 1-12

Students plan and complete an approved internship in consultation with their faculty supervisor.

Offering Location: Johnson Campus

HIS 2910 - Independent Study in History

Credit(s): 1-12 (Johnson); 1-3 (Lyndon)

This course allows the student to pursue the exploration of a topic of history not offered in the regular curriculum, under the tutelage of a department faculty member. An independent study contract must be negotiated with the instructor and filed before registering for this course.

Prerequisites: Permission of instructor.

Restrictions: Sophomore standing (Lyndon)

Offering Location: Johnson Campus, Lyndon Campus

HIS 3020 - Greek & Roman History

Credit(s): 3

This is a study of the political, social, economic and cultural achievements of Greek and Roman civilizations. Topics include the emergence of the Greek city-state, Athens in the 5th century, the Hellenistic world, Republican Rome and the rise and fall of the Roman Empire.

Recommended: HIS 1111 and ENG 2171

Offering Location: NVU Online

HIS 3040 - Ancient Civilizations of the New World

Credit(s): 3

This interdisciplinary course traces the indigenous development of civilization in the Americas from the time of the first settlers over 10,000 years ago, through the development of agriculture and towns, to the advanced civilizations that were destroyed by European colonialism in the sixteenth century. Although we will focus on the civilizations of Mexico and Central America, the high cultures of South America and southern North America will be investigated as well.

Offering Location: Johnson Campus

HIS 3050 - Community in America

Credit(s): 3

This course explores the historical and personal dimensions of the questions posed by Bellah and others: how ought we to live, how do we think about how we live, who are we as Americans, and what is our culture. It further explores the inter-relationships between individuals and institutions, with special emphasis on the concept of civic virtue.

Offering Location: Johnson Campus

HIS 3056 - Race in America

Credit(s): 3

[LGPP5] This course will use a multi-disciplinary lens to analyze American racial attitudes and beliefs over time. The course will emphasize the historical roots of American racism, and how the racial perceptions of various types of Americans have evolved as material circumstances and ideological traditions changed. Both progressive and regressive racial attitudes will be addressed through readings, lectures, discussion, and guest speakers. Students will explore how racial attitudes have interacted with such different areas of life as culture, politics, work, gender relations, violence, religion and ethnicity to shape profoundly twenty-first century America.

Prerequisites: This course is offered every even-numbered fall.

HIS 3060 - Church & State in America

Credit(s): 3

This course examines the dynamic interactions of religion and public policy in American history that have shaped the shifting boundaries of our freedom of religion and our freedom from religion.

Recommended: HIS 1211 and HIS 1212

Offering Location: Johnson Campus

HIS 3080 - Colonial America: History & Life

Credit(s): 3

This course provides an examination of major aspects of colonial life and the important political and economic events of the period from the early 17th century through 1789. Attention is paid to the establishment of colonies, lifestyles in various parts of the colonies, the American Revolution and efforts to form a new government after the Revolution, and elements of colonial history and life that form part of our heritage.

Offering Location: Johnson Campus

HIS 3090 - Modern German History

Credit(s): 3

This course surveys the troubled history of the modern German nation-state including its unification, imperial expansion, experiment with democracy during the Weimar republic, participation in two world wars, embrace of Nazi dictatorship, division into two distinct countries, and ultimately, its integration as one nation into an increasingly unified Europe.

Prerequisites: One history course

Recommended: Two or more history courses

Offering Location: Johnson Campus

HIS 3141 - History of the United States in the 20th Century I

Credit(s): 3

This examination of the American response to the problems of the 20th century focuses on the 1898-1945 time period, paying particular attention to the Progressive Movement, the 1920s and the New Deal. Harry S. Truman and the Cold War, and the Kennedy-Johnson era. [First semester, HIS 3141: 1898-1945; Second semester, HIS 3142: 1945- present.]

Offering Location: Johnson Campus

HIS 3142 - History of the United States in the 20th Century II

Credit(s): 3

This examination of the American response to the problems of the 20th century focuses on 1945 to the present, with particular attention paid to President Harry S. Truman, the Cold War, and the Kennedy-Johnson era. [HIS 3141: Covers the period 1898-1945]

Offering Location: Johnson Campus

HIS 3155 - Sports in American History

Credit(s): 3

This course will analyze the evolution of American society from the 1830s to the present through the lens of organized professional and amateur athletics. The course will probe what sports has to teach us about the process of American history in such areas of life as gender, race, ethnicity, local cultures and mass culture, economics, politics, religion, and regional/national identity. Both the experiences of participation and spectatorship will be addressed.

Offering Location: Lyndon Campus

HIS 3160 - Vermont's Coastal Regions

Credit(s): 3

This course explores, compares and contrasts the social, political and cultural dimensions of the history of Vermont's major watershed areas. Special emphasis is placed upon the cultural concepts of "Greater Vermont" and the Western and Eastern Unions of the late 1700s.

Offering Location: Johnson Campus

HIS 3165 - Vermont History

Credit(s): 3

This course provides a close look at Vermont's historical, social, and economic development, its problems as a republic, the struggle for statehood, and its constitution and government today. The instruction observes Vermont's place in American civilization from its inventive, cultural, educational, literary, and political contributions.

Offering Location: Johnson Campus, Lyndon Campus

HIS 3167 - Women in Vermont History

Credit(s): 3

As late as the 1970s, women were almost entirely written out of Vermont history. Women's historians have made considerable strides in correcting this gross omission. This course has been developed to, first and foremost, retell the "Vermont Story" from the vantage point of women's experiences and, second, to provide a methods for bringing women into the curriculum. It will be taught in a compressed format and meet for one week during the summer. Students will be expected to complete the required readings before the course begins and to submit an original research project one month after the course ends.

Offering Location: Johnson Campus

HIS 3225 - Latin America: Mexico to Chile; History, Politics, Cultures

Credit(s): 3

Before the Europeans and through the Spaniards, the British/French, the Soviets and the USA, the turmoil and the angst of a continent as it lurched from communism, to socialism, to exploitative and merciless capitalism; from Liberation Catholic Theology to the arrival of Protestantism; from the domination of ethnic Europeans to the domination of Indians; from a western-oriented world view to developing one of their own; from cash crops to cocaine; from political dictatorships to drug cartels; and so on.

Restrictions: Junior standing

Offering Location: Johnson Campus

HIS 3280 - The History of the American Recording Industry

Credit(s): 3

[LGPP5] This course traces the history of the recording industry in America from its origins in the 1890s to the present. It explores the history of both minor and major labels that have produced music in such genres as classical, jazz, blues, gospel, country, rock and rap. It covers the internal politics of record labels, their competition with each other, and their relationship with various levels and branches of government. It also analyzes the evolution of how labels have manufactured, promoted and

distributed their product. It further traces how labels have responded to changing technology and changes in the marketplace. Listening to, and analyzing, the music produced by a variety of labels is a major component of this course.

Prerequisites: The prerequisite is sophomore standing. There is a course fee. This course is offered every odd-numbered spring.

HIS 3310 - 18th and 19th Centuries Europe

Credit(s): 3

[LGPP5] This course will focus on the growth of royal and republican governments in Europe, the major wars and revolutions, including the Napoleonic era and its impact. It will examine such themes as Enlightenment, Romanticism, the industrial revolution, socialism and Marxism, national unification movements, European expansion, the origins of World War I, and major cultural and intellectual developments. The use of novels, arts and films will complement historical analysis.

Prerequisites: The prerequisite is sophomore standing or permission. This course is offered every odd-numbered fall.

HIS 3312 - Europe in the 20th Century

Credit(s): 3

This course covers the development of Europe since 1914, stressing the two world wars in their international context and the phenomena of communism and fascism.

Prerequisites: One history course

Recommended: Two or more history courses

Offering Location: Johnson Campus

HIS 3330 - Europe since 1914

Credit(s): 3

[LGPP5] This course provides students with a comparative survey of major ideological, political, economic, and cultural developments in Europe in the 20th century. This study will examine World War I and the Peace of Versailles, the Bolshevik Revolution and Civil War in Russia, the crisis of the western democracies, totalitarian movements such as Fascism and Nazism, the impact of World War II, the Cold War, postwar reconstruction and economic revival, European socialism and the emergence of a European Community, Eastern European transformation in 1990's, and cultural and social trends, all of which shape a modern European perspective. Equal emphasis on both Eastern and Western Europe will illuminate broad patterns of change and continuity across the continent. The use of novels, memoirs, and films will complement historical analysis.

Prerequisites: The prerequisite is sophomore standing. This course is offered every even-numbered fall.

HIS 3350 - Struggle for Democracy

Credit(s): 3

Democracy traces its roots to ancient Athens, but rarely appeared in subsequent centuries. This course will examine the development of democratic theory and practice through a close examination of the pertinent writings of both its proponents and critics including: Plato, Aristotle, Montesquieu, Machiavelli, Locke, Rousseau, Mill, Tocqueville, Marx, Madison and others.

Offering Location: Johnson Campus

HIS 3352 - Britain in the Age of Empire

Credit(s): 3

This is a survey of the political, social, economic and cultural development of Great Britain since 1714. Emphasis is on the origins and growth of democratic attitudes and institutions and the rise and fall of the British Empire.

Prerequisites: One history course; or permission of instructor

Recommended: Two history courses

Offering Location: Johnson Campus

HIS 3355 - The European Enlightenment

Credit(s): 3

This course seeks to understand the nature of the cultural and intellectual movement known as the Enlightenment. In what way was it a continuation of the Scientific Revolution? How did it reflect changes in the structure of 18th century European society and politics? Did it involve a repudiation or undermining of Christianity? In what ways did it anticipate intellectual debates of later centuries? In what sense did it reflect contemporary concerns? To answer these questions, this course relies on readings from leading historians of the Enlightenment as well as texts from French, British, Scottish and German thinkers of the period.

Offering Location: Johnson Campus

HIS 3370 - Nationalism & Rebellion in Irish History

Credit(s): 3

This course explores events and topics in Irish history from 1600 to present, including resistance to English rule, republicanism and reaction, emancipation and repeal, famine and mass emigration, the development of Irish nationalism and national identity, literary renaissance, separation and civil war, and the northern crisis.

Offering Location: Johnson Campus

HIS 3400 - Modern French History

Credit(s): 3

This course examines the political, social and cultural history of France from the ancient regime through the end of the 20th century. It examines events such as the Revolutions of 1789 and 1848, the reign of Napoleon, the Paris Commune, the First World War, the Vichy Regime, the Algerian War and the constitution of the European Union. The course uses these events as vehicles for exploring a series of larger historical themes that have shaped modern France. We pay particular attention to France's difficult struggle to establish a lasting democracy, the paradoxes of French imperialism, the nature of citizenship and national identity, and the role of immigrants and of immigration throughout the nation's modern history.

Prerequisites: One history course

Recommended: Two or more history courses

Offering Location: Johnson Campus

HIS 3420 - French Revolution

Credit(s): 3

This course examines the French Revolution of 1789, the modern democratic revolution that profoundly changed not only French society but transformed Europe and gave birth to modern nationalism and continuing movements for social-political reform and revolution.

Prerequisites: One history course

Recommended: Two or more history courses

Offering Location: Johnson Campus

HIS 3430 - History of the Soviet Union

Credit(s): 3

The Revolution of 1917 and the emergence of the Communist state are stressed with emphasis on the internal problems and conflicts and the development of the Soviet Union as a world power. Students research individual topics and gain an understanding of the conflicts that dominate the contemporary political scene.

Offering Location: Johnson Campus

HIS 3440 - Modern Russia

Credit(s): 3

[LGPP5] This course offers a study of modern and contemporary Russia. This broad survey begins with the rule of Alexander I and the Napoleon invasion and takes up the principal phases of Russian, Soviet and post-Soviet history. The discussion highlights issues of leadership, the role of state and bureaucracy, revolutionary movement, centrifugal forces, the role of religion and the development of economy, political forms, literature and arts. The use of novels, poetry, memoirs, arts and films will complement historical analysis.

Prerequisites: The prerequisite is sophomore standing or permission. This course is offered every odd-numbered spring.

HIS 3445 - History of Soviet/Russian Cinema and TV

Credit(s): 3

[LGPP5] This course provides a general chronological and thematic introduction to how Russian, Soviet, and Post-Soviet cinema and TV shaped and responded to wider social and cultural contexts. The films and TV programs are analyzed from the point of view of form, narrative, ideology, history and cultural background. This interdisciplinary course introduces the history and theory of Russian cinema and features a selection of the most influential Russian and Soviet films of the 20th century.

HIS 3450 - Women in European History

Credit(s): 3

A study of the changing role of women in European history is offered from the end of antiquity to the 20th century. Topics include women in public and private life, the economic and legal position of women, and the changing role of women in society.

Prerequisites: HIS 1111 or HIS 1112 or ENG 2510

Offering Location: NVU Online

HIS 3510 - Chinese History & Culture

Credit(s): 3

This is an introductory survey of Chinese history and culture from early China to today. Topics include arts and religion, the dynastic system and empire, major movements for reform and revolution, and China's international interests.

Offering Location: Johnson Campus

HIS 3520 - Japanese History & Culture

Credit(s): 3

This is an introductory survey of Japanese history and culture from ancient times to today, including the formation and growth of the Japanese state, arts and religion, the influence of Chinese culture and Western pressure, and Japan's international interests.

Offering Location: Johnson Campus

HIS 3530 - Modern East and Southeast Asia

Credit(s): 3

[LGCC4] This course studies Japan, Korea, China and the countries of Southeast Asia from the second half of the nineteenth century to the present. The course emphasizes the impact of foreign imperialism, independence and reforms after World War II, current economic, political and cultural patterns of these regions and challenges of the future.

Prerequisites: The prerequisite is sophomore standing or permission. This course is offered every even-numbered fall.

HIS 3540 - Modern South Asia

Credit(s): 3

[LGCC4] This course features lectures, readings, and discussions on modern India. Emphasis will be placed on the social and political evolution of India from the British Empire to India, Pakistan, and Bangladesh today. Special attention will be given to Gandhi's leadership toward independence in 1947, reforms of Jawaharlal Nehru and Indira Gandhi, the rise of Bharatiya Janata Party, relations of India with its neighbors and its geopolitical role in the contemporary world. The use of memoirs and films will complement historical analysis.

Prerequisites: The prerequisite is sophomore standing or permission. This course is offered every even-numbered spring.

HIS 3550 - The Islamic World

Credit(s): 3

[LGCC4] This course is a survey of the heart of the Islamic world and its transformation from the age of Mohammed to modern nation to states. The instruction includes the analysis of traditional society, political, economic, and cultural influence of the West, the rise of nationalism, autocracy in the Arab world, Iran, Turkey, Central Asia, Afghanistan; the Arab to Israeli dilemma; the Islamic revolution and spread of fundamentalism; the Persian Gulf conflict and its consequences; modernization and social change and the region's geopolitical role in the contemporary world.

Prerequisites: The prerequisite is sophomore standing or permission. This course is offered every odd-numbered fall.

HIS 3710 - Special Topics in History

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 3000-level not offered in the general History curriculum.

Prerequisites: This course may be repeated with a change of topic.

HIS 4020 - European History in Europe

Credit(s): 3

This course uses specific European sites as a vehicle for exploring a particular region's political, social and cultural history. Examining architecture, art, monuments, museums and the landscape itself, students develop a rich understanding of key events, movements and individuals that have shaped the European past. Specific topics and periods to be determined by the instructor.

Prerequisites: One history course or permission of instructor

Offering Location: Johnson Campus

HIS 4710 - Special Topics in History

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 4000-level not offered in the general History curriculum.

Prerequisites: This course may be repeated with a change of topic.

HIS 4730 - Seminar in Historical Communication

Credit(s): 3

Students will read, write about and discuss major works in the general field of history. In addition, students are expected to participate actively in class discussions and to focus on how and why things happened, not merely on what and when.

Restrictions: Senior standing or permission of instructor; secondary education majors can register as juniors

Offering Location: Johnson Campus

HIS 4740 - Seminar in Historical Investigation

Credit(s): 3

This course is designed primarily for history majors and serves as the culmination to an undergraduate history program. Students will work intensively on a project of their own choosing, mastering the essential steps in historical research and writing. A final paper, representing a substantial piece of research, will then be submitted to the student's peers and to the faculty members of the department. A formal presentation is also required.

Restrictions: Senior standing or permission of instructor; secondary education majors can register as juniors

Offering Location: Johnson Campus

HIS 4810 - Internship in History

Credit(s): 1-12 (Johnson); 1-6 (Lyndon)

The student is placed in a work site that provides practical, career-oriented experience under the supervision of an employer and a faculty member. The internship emphasizes acquisition of job-related skills and the role of professionals in the discipline.

Prerequisites: Permission of instructor.

Restrictions: Junior Standing (Lyndon)

Offering Location: Johnson Campus, Lyndon Campus

HIS 4840 - Senior Thesis: History

Credit(s): 3

The senior thesis is a two-semester experience representing the culmination of the undergraduate history program and guided by a faculty member in the program. Students will work intensively on a project of their own design, mastering the essential steps in historical research, writing, and presentation.

Restrictions: Senior standing in history major and permission of instructor required.

Offering Location: Johnson Campus

HIS 4910 - Independent Study in History

Credit(s): 1-12 (Johnson); 1-3 (Lyndon)

This course allows students to pursue an advanced, in-depth study of a topic in history not offered in the regular curriculum, under the tutelage of a department faculty member. An independent-study contract must be negotiated with the instructor and filed before registering for this course.

Prerequisites: Permission of instructor.

Restrictions: Junior Standing (Lyndon)

Offering Location: Johnson Campus, Lyndon Campus

Humanities

Humanities

HUM 1020 - FYS: Cultivating the Cross-Cultural Mind

Credit(s): 3

This first-year seminar course is an invitation to take a journey. It is a growth challenge course, an invitation to develop a cross-culture-bound identity. First, we will explore the notion of culture and ourselves as cultural beings - our own voices, perceptions, attitudes, values, beliefs and needs. After this self-exploration, we will sympathetically cross into other cultures, new terrains which must be entered on their own terms. Here, we will come to identify, understand and appreciate certain features of other voices so that we may, as individuals, build our own bridges of understanding and uncover paths that connect us.

Restrictions: First-year students only

Offering Location: Johnson Campus

HUM 1030 - Representing the World

Credit(s): 3

[LGCC4] This course explores a selection of works of art, literature, philosophy, and history from ancient to modern times in order to investigate how humanity tries to explain and understand the world we inhabit. Like scientific theories, stories and philosophies are essentially ways human beings explain the world and our place in it. Representing the world through literature, philosophy, and history has also been a way for humans to question and to challenge accepted explanations for the way the world works. Students in the course will focus on how the human race needs to explain the world in order to understand it, and how such representations are also often a way to question the accepted explanation of the world.

Prerequisites: This course is offered every semester.

HUM 1710 - Special Topics in Humanities

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 1000-level not offered in the general Humanities curriculum.

Prerequisites: This course may be repeated with a change of topic.

HUM 2710 - Special Topics in Humanities

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 2000-level not offered in the general Humanities curriculum.

Prerequisites: This course may be repeated with a change of topic.

HUM 2810 - Internship in Humanities

Credit(s): 1-12

Students plan and complete an internship in a humanities field in consultation with their advisor.

Offering Location: Johnson Campus

HUM 2910 - Independent Study in Humanities

Credit(s): 1-12

Students develop and complete an independent study in a humanities field in consultation with their advisor.

Offering Location: Johnson Campus

HUM 3010 - Myth & the Modern Age

Credit(s): 3

Myths have emerged in every society since the dawn of the human race. This course examines recurrent mythological themes and their significance not only to their original time and place but to ours. Central to this study is the role of the hero in various cultures. In the work of Joseph Campbell, one of the greatest scholars of comparative mythology, we will search for the "point of wisdom beyond the conflicts of illusion and truth."

Offering Location: Johnson Campus

HUM 3030 - The Mythic Journey

Credit(s): 3

The human experience is rooted in stories and myths. To tell a story is to be grounded in the present while remembering the past and peering into the future. The course will enable each student to find meaning about the human experience as depicted in myths and about one's own life experiences as a mythic journey.

Offering Location: Johnson Campus

HUM 3040 - Genesis

Credit(s): 3

This course focuses on The Book of Genesis and explores its contemporary relevance. Themes of creation, temptation, violence and murder, punishment and righteousness, the perceived mission of select groups, family, truth and deceit, religious struggle and the displacement of people will be considered.

Offering Location: Johnson Campus

HUM 3110 - Native American History & Culture

Credit(s): 3

This course focuses on the Native American experience in North America, using three distinct perspectives: historical ethnography, with its interdisciplinary emphasis on post contact native culture; Native American literature, emphasizing oral and

written traditions as well as myth and legends; and political science, which focuses on the sometimes troubled continent. Selected aspects of material culture, art history and other disciplines will also be incorporated.

Offering Location: Johnson Campus

HUM 3120 - The Abenaki & Their Neighbors

Credit(s): 3

This course will focus upon the Abenaki experience in Northeastern North America, using three distinct Euro-American perspectives: historical ethnography, with its interdisciplinary emphasis on Abenaki culture; Abenaki literature/myth emphasizing oral and written traditions as well as myth and legends; political science, which focuses on the sometimes troubled relations between the Abenaki Peoples and Euro-American inhabitants of our continent.

Offering Location: Johnson Campus

HUM 3125 - Religions of the World

Credit(s): 3

This course offers a comprehensive study that will include introductions and analyses from numerous fields of knowledge. The three western religions of Judaism, Christianity and Islam, plus animism and polytheism in Asia, Africa, Latin America and the Pacific Islands will be covered in the first half of the semester. The other great eastern religions of the Hindus, Buddhists, the great philosophy of the Confucianists, plus the relatively small religions of the Shintos, Taoists, Jainists, Sikhs, etc., will be covered in the second half of the semester. The geography, economics and politics of the regions, as they relate to each religion, will be covered. Particular attention will be paid to the inequities and the discontent across the centuries and under various dynasties.

Offering Location: Johnson Campus

HUM 3150 - People & Cultures of the Middle East & North Africa

Credit(s): 3

This course encompasses the religions, history and politics of these two regions, as well as general aspects of their cultures. We shall begin by studying the various histories of the Israelis, Arabs, Turks and Iranians. Then we will study the religions of Judaism, Eastern Christianity and Islam, and various aspects of their cultures, such as food and holidays. Briefly we shall study the political aspects of the Arab-Israeli dilemma, as well as socialism and capitalism in the Middle East and North Africa.

Offering Location: Johnson Campus

HUM 3160 - African Culture

Credit(s): 3

This course focuses on Africa's culture, history, economics, geography, politics and religion, as well as the way the continent is interfacing with the modern world. The course will begin with a survey of Africa's history and then progress to discussion of other aspects of Africa.

Offering Location: Johnson Campus

HUM 3170 - Popular Culture in America

Credit(s): 3

A consideration of the forms and functions of American popular fiction as reflectors and determinants of popular culture, this course examines Westerns, detective thrillers and sentimental romances.

Offering Location: NVU Online

HUM 3710 - Special Topics in Humanities

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 3000-level not offered in the general Humanities curriculum.

Prerequisites: This course may be repeated with a change of topic.

HUM 4710 - Special Topics in Humanities

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 4000-level not offered in the general Humanities curriculum.

Prerequisites: This course may be repeated with a change of topic.

HUM 4810 - Internship in Humanities

Credit(s): 1-12

Students plan and complete an internship in a humanities field in consultation with their advisor.

Offering Location: Johnson Campus

HUM 4910 - Independent Study in Humanities

Credit(s): 1-12

Students develop and complete an independent study in a humanities field in consultation with their advisor.

Offering Location: Johnson Campus

Interdisciplinary Seminars

Interdisciplinary Seminars

INT 1010 - New Student Seminar

Credit(s): 3

New Student Seminar introduces college level scholarship and the college community. The instruction includes values and goals clarification, time management skills, academic expectations, interpersonal and communication skills, and familiarity with the college's policies, procedures, resources, and services. The course is intended for first-year and transfer students.

Prerequisites: There is a lab fee.

INT 1011 - Summer Bridge

Credit(s): 1

This course is designed to facilitate a successful transition to college and focuses on orientation to college, academic success strategies, professional development, and introduction to a degree program or programs. Topics include student rights and responsibilities, student grading and graduation requirements, student information technologies and database orientation, campus/site resources, time management, note taking, test taking, learning styles and study skills, self esteem, group dynamics and stress management, introduction to career opportunities and program-specific topics.

Restrictions: Must be a Summer Bridge Student

Offering Location: Johnson Campus

INT 1020 - Entering an Academic Community

Credit(s): 3

This course introduces the student to LSC's intellectual and social environment. Instructors use a variety of approaches to strengthen higher level thinking, enhance academic skills, and provide information that leads to success in college.

Prerequisites: There is a course fee.

INT 1025 - Explore & Connect

Credit(s): 1

This class consists of a combination of weekly discussions, in-class exercises and faculty presentations designed to help students increase awareness of their own strengths, interests and skills; engage in an active process of self and career exploration in order to identify majors that are appropriately matched with skills and interests; become familiar with JSC's academic programs and faculty; and develop a relationship with the class instructor who will serve as your academic advisor.

Restrictions: Undeclared major or permission of instructor

Offering Location: Johnson Campus

INT 1030 - Experiencing Academic and Cultural Life

Credit(s): 1

This course provides students the opportunity to think deeply about a variety of academic and cultural events. During the semester the students will attend six activities chosen from an approved list. For each activity, the students will write a paper based on their experience and on questions that the instructor has provided. This course is a continuation of the academic/cultural

events from INT 1020. The main emphasis of this course is the student's participation in the intellectual and cultural life of the College with the subsequent strengthening of personal life. Repeat once for credit.

INT 1040 - Introduction to College

Credit(s): 1

The course introduces first year students to the academic skills and campus information useful for success in the face of college level standards, expectations, and life-styles. Close linkage with a core academic course and interactive teaching methods are used to enhance the skills and decision making habits needed for achieving academic success in college.

Prerequisites: Prerequisites are first year standing and co-enrollment in a Divisional Core course of the GEU. There is a course fee. This course is offered every semester.

INT 1080 - Gateway to College

Credit(s): 1

This course introduces academically at-risk students to self-assessment techniques, effective study methods, and other skills necessary for college-level academic performance. The course builds a supportive learning community for students using structured workshops during class time and regular individual meetings with the instructor throughout the semester.

Prerequisites: This course is open only to first-year students. This course is offered every fall.

INT 1710 - Special Topics in Interdisciplinary Studies

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 1000-level not offered in the general Interdisciplinary Studies curriculum.

Prerequisites: This course may be repeated with a change of topic.

INT 1810 - Integrated Research and Writing

Credit(s): 1

This course focuses on information literacy and writing skills. Students will learn how to do library research and integrate that research into a written assignment. Instruction may include how to evaluate sources, develop research strategies, and construct bibliographies and in-text citations using a format such as MLA or APA.

Prerequisites: This course may be repeated five times for credit. There is a course fee. This course is offered every semester.

INT 2010 - Jumpstart Your Future

Credit(s): 1

This course is intended to assist students in defining their career/life goals, identifying useful resources, and establishing plans to make their goals realities. The course will instruct students in procedures for both long-term and short-term goal-setting, including planning for their remaining time in college. Instruction will also include values clarification, interest assessments, networking, and presentation skills.

Prerequisites: This course is offered as second-half mini in the spring.

INT 2040 - Critical Thinking, Reading, and Writing

Credit(s): 3

This course is designed to enable students to better be able to identify issues or problems, gather information from diverse perspectives about those problems, systematically evaluate that information and its contexts, and synthesize the inferences and evidence methodically into a well-reasoned interpretation. Each section is a topics seminar, in which a topic of interest is used to focus the instruction and practice in critical thinking. Topics are chosen by instructor and will vary by semester.

Prerequisites: ENG 1082

Offering Location: Lyndon Campus

INT 2710 - Special Topics in Interdisciplinary Studies

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 2000-level not offered in the general Interdisciplinary Studies curriculum.

Prerequisites: This course may be repeated with a change of topic.

INT 2910 - Independent Study in Interdisciplinary Studies

Credit(s): 1-12

Students plan and complete an approved independent study in consultation with their faculty supervisor.

Offering Location: Johnson Campus

INT 3010 - Natural Landscapes & Literature

Credit(s): 3

This is an interdisciplinary focus on nature preserves, national parks and wilderness areas and on ways that people's conceptions of these natural environments have changed over time. Students will examine how writers, environmentalist and naturalists describe these "ideal landscapes;" how they define their relationships to the land; and what they say people can do, as individuals and as members of groups, to protect the integrity of the natural environment and guarantee our access to it now and in the future.

Restrictions: Upper-division status

Offering Location: Johnson Campus

INT 3045 - The Bible: History, Literature, Spirituality

Credit(s): 3

The course is a group inquiry into the meanings and historical/cultural contexts of several books of the Old and New Testaments.

Genesis, Exodus, Psalms, Job, The Gospel of Mark and The Gospel of Matthew will be particularly emphasized. Texts which have been considered sacred carry a special charge. You should be prepared to be open to learning, discussing and arguing with classmates, as well as with the teacher. You will be asked to examine the gist and implications of concepts such as monotheism, the Chosen People, righteousness and its rewards, the Messiah, the Kingdom of God, forgiveness, the Day of Judgment, and, through discussion and a variety of mostly short writing assignments, to close the gap between what you read and yourself.

Offering Location: Johnson Campus

INT 3050 - The Art & Culture of Cuba

Credit(s): 3

This extended-classroom course will be based in Havana, Cuba, and will essentially offer students an experiential course in cultural immersion and aesthetics. Students will spend seven days observing historical, contemporary and popular visual art, architecture, music and dance. Additionally, students will experience many facets of Cuban history and culture in an urban setting, including food, local rituals and traditions. Students will study and observe a spectrum of extraordinary artistic endeavors as it has played out over centuries, and they will experience contemporary Cuban life as it is lived. Much of this travel experience will include visits to museums and studying cultural heritage, with guided tours by local Cubans and academic instruction by the professors. There will be field lectures during the day and presentations at night providing a context, historical and aesthetic, for what will be observed each day.

Restrictions: Permission of Instructor

Offering Location: Johnson Campus

INT 3130 - Compassion & You: An Introduction to Mahayana Buddhism

Credit(s): 3

Over centuries, since the inception of Buddhism, many different schools of Buddhism have developed. This course examines Mahayana Buddhism and its presentation of Buddhist philosophy and psychology. Unlike other spiritual traditions, Buddhism is a synthesis of philosophy, psychology and spirituality. Close examination of two of the greatest Buddhist literary works will be the focal point during this course to help lay the foundation for a clear understanding of Mahayana Buddhist thought. Students will explore Buddhist art, music, philosophy and meditation to enhance a full understanding of Buddhist practice and theory.

Offering Location: Johnson Campus

INT 3150 - Gödel, Escher, Bach: An Eternal Golden Braid

Credit(s): 3

This course examines the beautiful underlying relationships between logic, art and music, along with other treasures of western thought and culture. Students will read major portions of Douglas Hofstadter's book of the same name.

Prerequisites: Successful completion of Foundation Skills - Mathematics

Restrictions: Junior standing

Offering Location: Johnson Campus

INT 3210 - The Holocaust: An Interdisciplinary Approach

Credit(s): 3

This upper-level course, uses analytical frameworks drawn from history, political science, literary criticism, psychology, sociology, philosophy and religious studies to explore the dimensions of the Holocaust (1933-1945) and to assess its lasting impact.

Offering Location: Johnson Campus

INT 3710 - Special Topics in Interdisciplinary Studies

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 3000-level not offered in the general Interdisciplinary Studies curriculum.

Prerequisites: This course may be repeated with a change of topic.

INT 4010 - Life Beyond the Classroom

Credit(s): 1

This course will facilitate the student's transition from college to the work world. Course content will involve individual goal-setting. The course will cover issues involving the contemporary workplace, organizational culture, and professional communication, as well as the execution of a job search campaign and basic life skills and citizenship responsibilities. Particular attention will be paid to utilizing the skills that employers value: computer literacy, communication skills, adaptability, interpersonal skills, and self-initiated activity. Individual and group projects, research, and portfolios will be required in this class.

Prerequisites: This course is offered as first-half mini in the spring.

INT 4020 - Graduate Record Examination Preparation

Credit(s): 1.5

This course is designed to familiarize students with the components of the Graduate Record Examination (GRE) General Test and to provide strategies for successful completion of each section. The GRE is often required for admission to graduate school and measures verbal reasoning, quantitative reasoning, and critical thinking and analytical writing skills that are not related to any particular field of study. The course does not address GRE Subject Tests.

Prerequisites: This course is offered in the fall.

INT 4610 - Senior Seminar in Interdisciplinary Studies

Credit(s): 3

The culminating learning experience for students seeking the B.A. in Interdisciplinary Studies, this course provides the opportunity for students to push the learning they have acquired to a deeper level, to explore more deeply and broadly the connections that they may have encountered in earlier course work, and to share their learning with other students. Students develop a major project that demonstrates knowledge, connections and integration of learning in their chosen domains of study.

Restrictions: Senior Interdisciplinary Studies majors only

Offering Location: Johnson Campus

INT 4710 - Johnson - Special Topics in Interdisciplinary Studies

Credit(s): 3

The topics addressed in this course vary and are noted prior to the registration period.

INT 4710 - Special Topics in Interdisciplinary Studies

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 4000-level not offered in the general Interdisciplinary Studies curriculum.

Prerequisites: This course may be repeated with a change of topic.

INT 4720 - Interdisciplinary Seminars

Credit(s): 3

The seminars challenge upperclass students to use the various skills and knowledge gained from their entire set of collegiate experiences. The seminars require the student to perfect and exhibit the characteristics and abilities of an educated individual. These team-taught courses focus on a contemporary interdisciplinary issue rather than a specific disciplinary topic.

Prerequisites: The prerequisites are junior or senior standing and completion of the GEU.

INT 4810 - Peer Leader Seminar and Practicum

Credit(s): 1 - 4

This course provides students with an opportunity to learn techniques for facilitating and managing small group discussions, mentoring new students, and developing leadership skills. The course also offers opportunities to practice these skills in the college classroom. Enrollment is limited to students who assist instructors in teaching INT 1020, Entering an Academic Community. This course may be repeated once for a maximum of 4 credits total.

Prerequisites: The prerequisite is instructor permission. This course is offered every fall.

INT 4910 - Independent Study in Interdisciplinary Studies

Credit(s): 1-12

Students plan and complete an approved independent study in consultation with their faculty supervisor.

Offering Location: Johnson Campus

INT 4950 - Senior Seminar in Professional Studies

Credit(s): 3

This capstone course for the Professional Studies major integrates coursework, knowledge, skills and experiential learning to enable the student to demonstrate an understanding of a field of study as defined by the individualized degree plan.

Prerequisites: Complete TILT (GRS 3000), ENG 1220 (or waiver), and MAT 1080 (or Quantitative Reasoning Assessment).

Offering Location: Johnson Campus

Journalism

JOU 1010 - Introduction to Media Communication

Credit(s): 3

This course provides a broad-based introduction to the shifts and trends in 21st century mass media communications including application of the First Amendment. It includes basic analysis of the pervasive, manipulative, and influential nature of contemporary media communication. Students observe contemporary media and read criticism.

Corequisites: (or prerequisite) ENG 1081

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

JOU 1125 - Television Production and Editing

Credit(s): 3

This introductory course covers basic theory and utilization of personal and professional video production equipment and focuses on skills in studio and field production, lighting, and audio, conforming to industry standards for all digital platforms. Instruction includes a series of in-class laboratory sessions which develop basic hands-on competencies in a multi-person collaborative environment.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

JOU 1221 - Interpersonal Communication

Credit(s): 3

This course focuses on the basis of successfully interacting with a person face-to-face while observing and evaluating messages received through both verbal and non-verbal communication. The course also deals with professionalism and public presentation, including appropriate public speaking and social skills, as well as communication via electronic means. Group work and peer evaluation are integrated into coursework.

Prerequisites: Writing competency at the level of ENG 1081 is expected.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

JOU 1710 - Special Topics in Journalism

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 1000-level not offered in the general Journalism curriculum.

Offering Location: Lyndon Campus

Repeatable for Credit: With a change of topic.

JOU 2040 - Journalistic Writing

Credit(s): 3

This writing-intensive course teaches the foundations of journalism while exploring the basics of news writing for all platforms: print, online, social and broadcast media. Instruction covers journalistic style, grammar, interviewing techniques, and news values. Topics may include the First Amendment, the changing economics of the information industry, advocacy versus subjective journalism, and the cultivation of trust.

Prerequisites: ENG 1081

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

JOU 2125 - Advanced Field Production and Digital Editing

Credit(s): 4

This course covers digital field acquisition and editing techniques of still and video images. Particular emphasis will be placed on the importance of digital literacy and storytelling techniques throughout the process. Students will learn basics in field production lighting, visual point of view, sequential shooting, and audio gathering in the field. Basic editing principles covered include enhancing sound for video, interpreting and establishing story pace, and understanding the use of transitions and effects.

Restrictions: By Permission. A C- or better is required for admission into the Newsroom practicum. There is a course fee. Students will not be able to continue forward into the Newsroom Practicum until they achieve a C- or better in this course.

Offering Location: Lyndon Campus

JOU 2130 - Local News Gathering

Credit(s): 3

This course introduces the skills of gathering and writing news for a specific geographic coverage area over multiple platforms. Topics may include identifying stories and sources, the interviewing process, research techniques, computer assisted and other basic news reporting & mobile production techniques. Students will be exposed to the deadline pressure of News7/NewsLINC platforms.

Prerequisites: ENG 1082, JOU 1010, JOU 1125, and JOU 2040, or permission.

Restrictions: A C- or better is required for admission into the Newsroom practicum. There is a course fee.

Offering Location: Lyndon Campus

JOU 2135 - Studio Production

Credit(s): 3

This course covers the basics of studio production, including pre-production and post-production elements. This live production course introduces students to scripting and storyboarding as well as all production positions in the studio environment.

Prerequisites: ENG 1081, JOU 1010, and JOU 1125.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

JOU 2160 - History of Journalism

Credit(s): 3

This course views American history through the window of journalism, especially during times of war and social change. Beginning with the Civil War, and including media coverage of the current conflicts, readings examining the way journalists have influenced the way readers, listeners, and viewers respond to life-changing events on the national stage and in their communities. Close attention is paid to evolving technology and the ever-changing definition of "objectivity". Students will focus on historical turning points that tested the media's role in a democracy.

Prerequisites: ENG 1082

Offering Location: Lyndon Campus

JOU 2710 - Special Topics in Journalism

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 2000-level not offered in the general Journalism curriculum.

Offering Location: Lyndon Campus

Repeatable for Credit: With a change of topic.

JOU 2815 - Newsroom Practicum I

Credit(s): 4

This course provides an introduction to the 21st century newsroom. Students will begin to apply practical skills learned in the Journalism core curriculum on daily deadlines. In addition to generating original content, students will assess the validity of news content from third or unknown parties. Stories will be told across all platforms, and students will contribute to social media content gathering and participate in the production elements of a nightly broadcast. Students are expected to write and speak well, work well in a diverse team, think clearly about complex problems, and demonstrate adaptability. Professional appearance and demeanor is expected. Approximately 12-15 hours per week in the newsroom is required.

Prerequisites: A C- or better in JOU 2125 and JOU 2130.

Corequisites: JOU 2840

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

JOU 2828 - Newsroom Practicum I (Lite)

Credit(s): 1-2

This course provides an introduction to the 21st century newsroom for students pursuing a Journalism Associates Degree or minor. Students will begin to apply practical skills learned in the Journalism core curriculum on daily deadlines. In addition to generating original content, students will assess the validity of news content from third or unknown parties. Stories will be told across all mediums, and students will contribute to social media content gathering and participate in the production elements of a nightly newscast. Students are expected to write and speak well, work well in a diverse team, think clearly about complex problems, and demonstrate adaptability. Professional appearance and demeanor is expected. Approximately 5-10 hours in the newsroom per week is required.

Prerequisites: A C- or better in JOU 2125 and JOU 2130.

Corequisites: JOU 2840

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

JOU 2830 - Sophomore Internship / Co-Op

Credit(s): 1-6

This course enables students of good standing and achievement in the second year of study to participate in introductory on-the-job work experience in media-related situations separate from the classroom. Students must apply for a co-op in advance, and must meet with their academic advisor for materials, application forms, and procedural details. See also the section on cooperative education elsewhere in this catalog. All students applying for placements must receive departmental approval of the co-op placement and plan, and have achieved a 3.0 GPA in the Journalism curriculum.

Prerequisites: JOU 2815

Restrictions: Sophomore standing and Permission (contract required).

Offering Location: Lyndon Campus

JOU 2840 - Professional Communications in Media I

Credit(s): 3

This course is for students in the entry-level newsroom practicum. It expands on interpersonal communications explored in the core curriculum. Students will improve their expository speaking skills and their abilities to interact with their colleagues and the public. Students are expected to begin developing their own unique professional style that will be vital to their success in a modern multi-platform newsroom, including focusing on the importance of wardrobe and making a solid first impression. On-

camera skills include speech and voice-over, body language, and developing a conversational style are required in a multi-platform environment.

Corequisites: JOU 2815

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

JOU 2843 - Practical Presentation I - ATM

Credit(s): 3

This course is the junior level practicum for Atmospheric Science broadcast concentration students entering News7/NewsLINC. Students are expected to begin developing their own unique professional style that will be vital to their success in a modern multi-platform newsroom. Instruction will be tailored to improve their expository speaking skills when presenting a forecast on the green screen and social media. The course will focus on the importance of wardrobe and making a solid first impression within the community. On-camera skills include speech and voice-over, body language, and developing a conversational style are required in a multi-platform environment.

Prerequisites: JOU 1221 or permission.

Corequisites: ATM 3331 or ATM 3332.

Offering Location: Lyndon Campus

Repeatable for Credit: Once.

Notes: *There is a course fee.*

JOU 3030 - Media Law and Regulations

Credit(s): 3

This course traces the evolution of law and regulation affecting producers and consumers of news media beginning with the First Amendment. Topics will include privacy law, libel, slander, and the Fair Use Doctrine. The course also may examine the practical workings of the local and regional court systems, rules and regulations affecting journalists, the changing landscape of Internet law, and FCC rulings.

Prerequisites: ENG 1082 or permission.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

JOU 3125 - Post Production I

Credit(s): 3

This course furthers a students knowledge in photography and editing, while integrating the use of After Effects, photo manipulation, and advanced lighting. This work will be done across multiple platforms for a commercial environment. Emphasis will be placed on communicating with clients and producing content.

Prerequisites: JOU 2125 or CIN 2060.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

JOU 3222 - Practical Presentation II - ATM

Credit(s): 3

This course is the senior level practicum for Atmospheric Science broadcast concentration students entering News7/NewsLINC. Students are expected to continue to develop their own unique professional style that will be vital to their success in a modern multi-platform newsroom. Students will continue to grow their skillset in presenting a forecast on the green screen and through social media. The course requires a prescribed wardrobe, and professional demeanor. On-camera skills include speech and voice-over, body language, and a conversational style that will be useful in presenting themselves in a multi-platform environment.

Prerequisites: JOU 2843

Corequisites: ATM 4010

Offering Location: Lyndon Campus

Repeatable for Credit: Once.

Notes: *There is a course fee.*

JOU 3240 - Professional Communications in Media II

Credit(s): 3

This course is for students continuing on through the newsroom practicum and expands on skills and developed in JOU 2840 and prepares students for the transition from student to professional. Topics such as resume writing, demo reel creation, job interview skills, and contract negotiations will be covered. Students are expected to continue to develop workplace etiquette and appropriate professional demeanor. On-camera skills include speech and voice-over, body language, and developing a controversial style are required in a multi-platform environment.

Corequisites: JOU 3815

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

JOU 3710 - Special Topics in Journalism

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 3000-level and not offered in the general Journalism curriculum.

Offering Location: Lyndon Campus

Repeatable for Credit: With a change of topic.

JOU 3813 - The Video Journalist

Credit(s): 3

This course allows students to work in the newsroom practicum as video journalists for the nightly newscasts. Students will learn how to operate as a "one-person-band," i.e. solo news gathering, editing, and storytelling. In addition to classroom work, approximately 5-10 hours per week in the newsroom practicum are required. The course requires a prescribed wardrobe and professional demeanor.

Prerequisites: JOU 2815 or JOU 2828.

Corequisites: JOU 2840 or JOU 3240.

Offering Location: Lyndon Campus

Repeatable for Credit: Once.

Notes: *There is a course fee.*

JOU 3815 - Newsroom Practicum II

Credit(s): 6

This course provides a multi-platform experience in the 21st century newsroom. Students will focus on visual or editorial development of stories, while creating content for online platforms on deadline. Students will continue to assess the validity of news content from third or unknown parties. Students are expected to write and speak well, work well in a diverse team, think clearly about complex problems, and demonstrate adaptability. Professional appearance and demeanor is expected. Approximately 25 hours per week in the newsroom in required, 25% of which is focused on online content production.

Prerequisites: JOU 2815

Corequisites: JOU 3240

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

JOU 3820 - Junior Internship / Co-Op

Credit(s): 1-6

This course enables students of good standing and achievement in the third year of study of participate in introductory "on-the-job" work experience in media-related situations separate from the classroom. Students must apply for a co-op in advance, and must meet with their academic advisor for materials, application form, and procedural details. See also the section on cooperative education elsewhere in this catalog. All students applying for co-op placements in JOU must receive departmental approval of the co-op placement and plan. Students must have achieved a 3.0 GPA in the JOU curriculum.

Prerequisites: JOU 3815

Restrictions: Sophomore standing and Permission (contract required).

Offering Location: Lyndon Campus

JOU 3850 - Social Media in the Media

Credit(s): 3

This course uses journalistic scenarios to address how social media is used to report and gather news. Students will use social media in a professional capacity, understand shareable media, write across various social media platforms, and establish a professional digital footprint.

Prerequisites: JOU 1221, JOU 2040, and ENG 1082.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

JOU 4020 - Issues and Ethics in Media

Credit(s): 3

This course explores the role of journalism in current national and international affairs, and the ethical dilemmas faced by practitioners. Topics may include source cultivation and protection, the First Amendment, and issues relating to government-journalistic relationships. Students will confront ethical issues raised by surveillance cameras, drones and wearable devices, and changing economics in the journalism industry.

Restrictions: Junior standing or permission.

Offering Location: Lyndon Campus

JOU 4125 - Post Production II

Credit(s): 3

This course builds off of the skillsets presented in JOU 3125, and focuses on long-format commercial productions. Students will learn about production components of long-format work and will learn how to disseminate that work effectively across multiple media platforms.

Prerequisites: JOU 3125

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

JOU 4220 - Directing

Credit(s): 3

This course combines studio and post production work, and allows students to expand upon their photography, audio, and editing skills. Topics covered may include script writing, blocking, continuity, creative camera techniques, storytelling, and advanced lighting.

Prerequisites: JOU 4125

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

JOU 4550 - Advanced Professional Communications in the Media

Credit(s): 1

This course is designed for Journalism students who are within 2 semesters of graduating. Students work closely with the instructor to further polish their interpersonal communication, professional portfolio, and resume. Students will also receive guidance in job opportunities. Individual critique and instruction will take place in addition to group work.

Prerequisites: JOU 2840 and JOU 3240.

Corequisites: JOU 3815, JOU 4815, JOU 4850, JOU 4851, or JOU 4852.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

JOU 4710 - Special Topics in Journalism

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 4000-level not offered in the general Journalism curriculum.

Offering Location: Lyndon Campus

Repeatable for Credit: With a change of topic.

JOU 4720 - Senior Seminar

Credit(s): 1-3

This course provides advanced small group learning and exploration in a focus area for ambitious students within the newsroom practicum. The course focuses on student projects, and integrates previous course work and attention to future professional work. Assignments typical of this course assume academic maturity, self-motivation and organizational skills.

Restrictions: Senior standing or permission.

Offering Location: Lyndon Campus

Repeatable for Credit: Once.

Notes: *There is a course fee.*

JOU 4815 - Newsroom Practicum III

Credit(s): 9

This course provides leadership training in the 21st century newsroom. Students will focus on advanced visual or editorial techniques while providing direction for content gathering and production within a multi-platform environment. Students will also manage social media accounts and make final decision on the provenance and appropriateness of stories produced for all platforms in the newsroom. Students are expected to write and speak well, provide appropriate leadership to a diverse team under faculty guidance, think clearly about complex problems, and demonstrate adaptability. Professional appearance and demeanor is expected. Approximately 35 hours per week in the newsroom is expected, 25% of which is focused on online platforms.

Prerequisites: JOU 3815

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

JOU 4816 - Advanced Newsroom Practicum III

Credit(s): 3

This course advances the editorial or visual work done in JOU 4815. A minimum of 16 hours per week of newsroom work is required. Professional appearance and demeanor are expected.

Prerequisites: JOU 4815

Restrictions: By Permission.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

JOU 4840 - Senior Internship

Credit(s): 1-6

This course enables students of advanced standing and achievement to participate in on-the-job work experience in media-related situations separate from the classroom. Students must apply for a co-op in advance, and must meet with their academic advisor for materials, application form, and procedural details. See also the section on cooperative education elsewhere in this catalog.

Prerequisites: JOU 3815

Restrictions: By Permission (contract required).

Offering Location: Lyndon Campus

JOU 4850 - Convergence Portfolio Practicum: I-Team

Credit(s): 3

This course applies investigative-reporting techniques to the online (converged) newsroom environment. Students produce in-depth, broadcast-quality reports with companion web-content through beat reporting, document research, and public meetings coverage. A minimum of 8 hours each week reporting beyond classroom meetings is required.

Prerequisites: JOU 4815 or permission.

Corequisites: This course may be taken concurrently with JOU 4815 by permission only.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

JOU 4851 - Convergence Portfolio Practicum: Photojournalism

Credit(s): 3

This course allows students to explore and practice the art of photojournalism utilizing both the still and video mediums. Photographers develop visual storytelling techniques in the style and tradition of the National Press Photographers Association.

Prerequisites: JOU 3815

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

JOU 4852 - Convergence Portfolio Practicum: Print & Digital

Credit(s): 3

This course serves as an opportunity for students to demonstrate their level of competency and depth of understanding in online and print media. Students produce a portfolio and/or develop senior-level projects incorporating their mastery of Print and Digital Journalism techniques. This work will be published on multiple newsroom platforms any may be part of in-depth coverage coordinated with students in the other JOU Convergence Portfolio Practicum courses.

Prerequisites: JOU 4815

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

JOU 4900 - Special Studies in Community Journalism

Credit(s): 1-6

This course provides an opportunity for advanced students to pursue topics of specific interest. Study contracts must be submitted to the department chair prior to registration.

Restrictions: By Permission.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

Liberal Studies

Liberal Studies

LIB 1710 - Special Topics in Liberal Studies

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 1000-level not offered in the general Liberal Studies curriculum.

Prerequisites: This course may be repeated with a change of topic.

LIB 2710 - Special Topics in Liberal Studies

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 2000-level not offered in the general Liberal Studies curriculum.

Prerequisites: This course may be repeated with a change of topic.

LIB 3710 - Special Topics in Liberal Studies

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 3000-level not offered in the general Liberal Studies curriculum.

Prerequisites: This course may be repeated with a change of topic.

LIB 4710 - Special Topics in Liberal Studies

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 4000-level not offered in the general Liberal Studies curriculum.

Prerequisites: This course may be repeated with a change of topic.

LIB 4801 - Liberal Studies Internship

Credit(s): 1 - 3

This course offers applied practice in a Liberal Studies area in conjunction with the Cooperative Education Office. The student is placed at a work site that provides practical, career-oriented experience under the supervision of an employer and a faculty member who will make on-site visits. The course emphasizes acquisition of job-related skills and the role of the professional in the discipline. See also the section on Cooperative Education elsewhere in this catalog. The course may be repeated for up to 6 credits, 3 credits maximum may count toward program requirements.

Prerequisites: Permission

LIB 4810 - Liberal Studies Thesis

Credit(s): 3

This capstone course integrates the student's understanding of the liberal arts and sciences through advanced readings, group discussions, and individually mentored projects. It culminates with a final project on a topic chosen by the student, requiring substantial interdisciplinary research, writing, and reflection. When possible and reasonable, the research project should link to an internship experience or provide real-world application. Ideally, the topic would be socially relevant or address an issue of regional, national, or global concern.

Prerequisites: The prerequisite is permission.

Mathematics

Mathematics

MAT 0010 - Basic Math Review

Credit(s): 1 *

This course provides an opportunity for students to review basic mathematical concepts and processes. Topics include basic arithmetic: fractions, decimals, percentages, whole numbers, and integers; and the arithmetic operations of addition, subtraction, multiplication, and division. Students must take a math assessment for placement purposes prior to registration.

Offering Location: Lyndon Campus

Notes: *Credit hours appear for the purpose of scheduling and do not confer credit toward graduation.

MAT 1011 - Basic Quantitative Reasoning

Credit(s): 3

This course helps students to think quantitatively and develop problem solving skills using mathematical concepts. Particular attention will be given to using linear and exponential functions, proportions, percents, estimation, and recursive and explicit relations. Students must take a math assessment for placement purposes prior to registration.

Offering Location: Lyndon Campus

Notes: *Does not fulfill GECC Mathematics requirement.*

MAT 1015 - Basic Algebra

Credit(s): 3

This beginning course in algebra serves as a foundation for future work. It provides students with basic mathematical literacy and competence in solving problems involving operations with real numbers and elementary algebra. Topics typically covered are a review of arithmetic and algebraic laws, linear equations, polynomials, factoring, and exponents. The course should prepare students for further study of mathematics as well as for other courses that require a modest mathematical background. Students must take a math assessment for placement purposes before registering.

Prerequisites: PLM 0001

Offering Location: Johnson Campus, Lyndon Campus

Notes: *Graded as Pass/No Pass Only. Does not fulfill GECC Mathematics requirement.*

MAT 1020 - Intermediate Algebra

Credit(s): 3

This course offers a review of the fundamental concepts of algebra and an introduction to functions. Topics include linear and quadratic equations, inequalities, exponents, radicals, scientific notation, function and graphs, factoring, systems of equations, and polynomial and rational functions.

Prerequisites: PLM 0002

Offering Location: Johnson Campus, Lyndon Campus

MAT 1060 - Problem Solving with Mathematics

Credit(s): 3

This course provides problem solving methods that are needed when addressing questions involving mathematics. Examples incorporate many areas of mathematics, especially geometry, algebra, probability, and statistics. Analysis of data in graphs, charts, and tables is emphasized. Some work is in groups and with available technology. There is a writing component in this course.

Prerequisites: PLM 0002 (mathematics competency).

Offering Location: Lyndon Campus

MAT 1070 - Mathematics in our Culture

Credit(s): 3

In this course students do extensive problem-solving in groups, studying problems from a variety of areas, develop their skills at writing about mathematical ideas and problems and concepts, and research the lives and contributions of famous mathematicians. This is all done in a "user-friendly" environment that emphasizes the development of individual strengths and skills and reduces math anxiety. Topics include: the uses and limitations of inductive and deductive reasoning; different types of number sequences and their uses; the basic concepts of functions and graphing and the use of the TI-83 graphing calculator; and types of symmetry, culminating in a study of mathematical mosaics and regular and semi-regular polyhedra.

Prerequisites: PLM 0003

Offering Location: Johnson Campus

MAT 1080 - Introduction to Quantitative Reasoning

Credit(s): 3

This course is intended to expand students' abilities to apply mathematics and logical reasoning in everyday life. Topics will include reading and interpreting graphs and tables, descriptive statistics, math of finance, estimation and others.

Prerequisites: PLM 0003

Offering Location: Johnson Campus

MAT 1090 - FYS: Mathematical Puzzles through History

Credit(s): 3

Mathematics is a discipline about thinking; to a large extent, it is not about "numbers" at all. It is an art form that has a rich history stretching literally thousands of years; a history not only of solving puzzles, but of deciding which puzzles were worth the attention of the many scholars who attempted to solve them. This course seeks to examine some of the greatest "puzzles" of mathematics while putting them into a historical context. We will study some of the greatest mathematical ideas put forth by the human mind.

Restrictions: First-year students only

Offering Location: Johnson Campus

MAT 1095 - FYS: The Visual Display of Quantitative Information

Credit(s): 3

This course is a contemporary review of the classical work of the same name by Edward Tufte. The course explores classical visual displays of quantitative information, and introduces the foundational skills to create them.

Offering Location: Johnson Campus

MAT 1221 - Finite Mathematics

Credit(s): 3

This problem-solving course will focus on applications in business, finance, the social sciences and human services. Topics may include set theory and symbolic logic, linear systems and programming, coordinate systems and graphic techniques, elementary matrix operations, probability and math of finance.

Prerequisites: PLM 0003

Offering Location: Johnson Campus, Lyndon Campus

MAT 1410 - Pre-Calculus

Credit(s): 4

This course builds on prior work and extends the concept of functions to composite, inverse, polynomial, rational, exponential, logarithmic and trigonometric functions.

Prerequisites: MAT 1020 or PLM 0003

Offering Location: Johnson Campus, Lyndon Campus

MAT 1430 - Trigonometry for Calculus

Credit(s): 1

This course explores trigonometric functions using a unit-circle approach with emphasis on concepts and skills needed for calculus.

Prerequisites: MAT 1410

Offering Location: Lyndon Campus

MAT 1531 - Calculus I

Credit(s): 4

This course introduces the calculus of one real variable including functions, limits, continuity, derivatives, antiderivatives, integration, numerical methods, and a wide variety of applications in many fields.

Prerequisites: MAT 1410 or PLM 0005; or permission of instructor.

Offering Location: Johnson Campus, Lyndon Campus

MAT 1710 - Special Topics in Mathematics

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 1000-level not offered in the general Mathematics curriculum.

Prerequisites: This course may be repeated with a change of topic.

MAT 2010 - Number Systems

Credit(s): 3

This course develops around topics such as number theory, historical number systems, informal geometry, Venn diagrams, and the real numbers.

Prerequisites: MAT 1060 or permission.

Offering Location: Lyndon Campus

MAT 2020 - Mathematical Reasoning

Credit(s): 3

You've found enough answers to odd-numbered questions and checked them in the back of the book! It's time to learn deeper mathematics and to think like a mathematician. In this class students will learn what constitutes a mathematical proof, a variety of classical proof techniques and how to apply them in numerous mathematical contexts such as set theory, graph theory, number theory, geometry and others as chosen by the instructor.

Prerequisites: MAT 1531 (Students may take MAT 1531 before taking MAT-2020 or concurrently with MAT-2020)

Offering Location: Johnson Campus

MAT 2021 - Statistics

Credit(s): 3

This course, designed for non-science majors, introduces such topics as data organization, descriptive measures, probability, sampling distributions of means and proportions, estimation, hypothesis testing, and correlation.

Prerequisites: MAT 1060 or MAT 1020 or MAT 1221 or PLM 0003.

Offering Location: Johnson Campus, Lyndon Campus

Notes: *This course is offered every semester.*

MAT 2210 - Sets, Logic, and Proof

Credit(s): 3

This course provides an introduction to the fundamentals of rigorous mathematics. Topics include sets, functions, logic, proofs, Boolean algebra, and graph theory. Emphasis is on precisely written mathematical definitions, theorems, and proofs.

Prerequisites: The pre-requisite is MAT 1531 or MAT 2021, or permission. This course is offered every odd-numbered fall.

MAT 2532 - Calculus II

Credit(s): 4

This course is a continuation of MAT 1531. It explores techniques and applications of integration, indeterminate forms and improper integrals, sequences, and series. Other topics may include polar coordinates and parametric equations.

Prerequisites: MAT 1531, or permission of instructor.

Offering Location: Johnson Campus, Lyndon Campus

MAT 2544 - Vector Calculus

Credit(s): 1

This course reviews vectors, vector-valued functions, their limits, derivatives and integrals. Other topics include vector fields with divergence and curl and line integrals. The instruction discusses the Theorems of Green, Gauss and Stokes, and how these topics have applications to the sciences.

Prerequisites: The co-requisite is MAT 2543 or permission. This courses is offered every semester as a second-half mini.

MAT 2710 - Special Topics in Mathematics

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 2000-level not offered in the general Mathematics curriculum.

Prerequisites: This course may be repeated with a change of topic.

MAT 2810 - Internship in Mathematics

Credit(s): 1-12

Students plan and complete an approved internship in consultation with their faculty supervisor.

Offering Location: Johnson Campus

MAT 2820 - Mathematics Tutoring Practicum

Credit(s): 2-4

This course introduces students to both traditional and modern tutoring methods and techniques. Working closely with a faculty member, students will be assigned a class or classes for which they will become the attached tutor. Students will attend the class(es) and provide 1.5 hours of outside tutoring sessions per week for each practicum credit. Successful completion designates the tutor as an Approved Lyndon Math Tutor. This course may be repeated for credit with a different attached course, but no more than 8 credits may be used toward program requirements.

Prerequisites: The prerequisite is permission. This course is offered every semester.

MAT 2910 - Independent Study in Mathematics

Credit(s): 1-12

Students plan and complete an approved independent study in consultation with their faculty supervisor.

Offering Location: Johnson Campus

MAT 3010 - History of Mathematics

Credit(s): 3

[LGPP5] This course surveys the development of mathematical thought from ancient times to the present, and considers its place in political, social, and intellectual history. Assignments explore historical methods of solution, famous mathematical questions, the work of individual mathematicians, and the rise of various branches of mathematics.

Prerequisites: The prerequisite is MAT 1410, or permission. This course is offered every odd-numbered spring.

MAT 3025 - Math in Elementary School

Credit(s): 3

This course investigates topics taught in the elementary school curriculum in greater depth than is possible in general survey courses. Instruction will concentrate on number theory, geometry, probability, and statistics.

Prerequisites: The prerequisite is MAT 2010, or permission. This course is offered every spring.

MAT 3040 - Geometrical Reasoning

Credit(s): 3

In this course students will learn to apply the principle objects and techniques of geometry to practical challenges from a variety of fields. The course also includes an overview of deductive reasoning, and how it is used to prove geometrical phenomena.

Prerequisites: PLM 0003

Offering Location: Johnson Campus

MAT 3130 - Statistical Theory and Applications

Credit(s): 3

This course introduces statistics including both theory and applications. The instruction includes such topics as descriptive measures, probability, probability distributions, sampling distributions, estimation, hypothesis testing, and correlation. The use of SPSS is required.

Prerequisites: The prerequisite is MAT 1531. This course is offered every even-numbered spring.

MAT 3135 - Statistical Computing in R

Credit(s): 3

This course is a continuation of MAT 2021, and covers implementation of both descriptive and inferential statistical methods in the R statistical computing program. Topics include data import, tidying, the transform/visualize/model loop, and best practices for communicating data.

Offering Location: Johnson Campus

MAT 3210 - Linear Algebra

Credit(s): 3

This course introduces linear algebra. The instruction includes such topics as systems of linear equations, matrix algebra, determinants, vector spaces, linear transformations, eigenvalues and eigenvectors, and applications.

Prerequisites: MAT 1531 or permission.

Offering Location: Johnson Campus, Lyndon Campus

MAT 3240 - Probability Theory with Statistics

Credit(s): 3

An introduction to probability theory for students with a background in calculus. Topics to be covered will include sample spaces, permutations and combinations, discrete and continuous random variables, probability density functions, the binomial distribution, the normal distribution and its use in approximating the binomial, curve fitting by least squares and with numerous applications.

Prerequisites: MAT 2021 and MAT 2532

Offering Location: Johnson Campus

MAT 3310 - Differential Equations

Credit(s): 3

This course introduces the theory and analytic solution methods of ordinary differential equations, first-order linear systems, and qualitative behavior of solutions. Other topics may include the Laplace transform, existence and uniqueness of solutions, numerical methods, and applications from around the sciences. This course includes extensive use of technology.

Prerequisites: MAT 2532 or permission.

Offering Location: Johnson Campus, Lyndon Campus

MAT 3533 - Calculus III

Credit(s): 4

Topics include the calculus of vector-valued functions, tangent vectors, velocity and applications, functions of several variables, partial derivatives, directional derivatives and gradients, extreme values and applications, and multiple integration. Additional topics may include line and surface integrals, parametric surfaces, and the theorems of Gauss, Green and Stokes.

Prerequisites: MAT 2532 or permission.

Offering Location: Johnson Campus, Lyndon Campus

MAT 3710 - Special Topics in Mathematics

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 3000-level not offered in the general Mathematics curriculum.

Prerequisites: This course may be repeated with a change of topic.

MAT 3730 - Topics in Differential Equations

Credit(s): 3

This course examines subjects chosen from such topics as series solutions, boundary value problems, numerical methods, nonlinear differential equations, stability, difference equations, Fourier series, partial differential equations, and delay-differential equations.

Prerequisites: The prerequisites are MAT 3210 and MAT 3310. This course is offered every even-numbered spring. May be repeated once for credit with the instructor's permission.

MAT 3810 - Cooperative Field Work

Credit(s): 3 to 12

This field experience is selected according to each student's interest or career plan. The placement will involve the student in applying the mathematics learned in the classroom or in learning mathematics in the context of the workplace. See also the

section on Cooperative Education elsewhere in this catalog.

Prerequisites: The prerequisite is permission.

MAT 4040 - Complex Analysis

Credit(s): 3

This course introduces the calculus of one complex variable, and reviews the properties and representations of complex numbers. The course investigates the functions of a complex variable, including limits, continuity and derivatives, the Cauchy- Riemann equations, analytic and harmonic functions, exponential, logarithmic and trigonometric functions of a complex variable, integration of complex functions, line integrals, and Cauchy's Theorem. Other topics include series and the calculus of residues with applications.

Prerequisites: The prerequisite is MAT 2543, or permission. This course is offered every odd-numbered spring.

MAT 4060 - Real Analysis

Credit(s): 3

This course introduces the rigorous treatment of analysis. The course investigates properties of functions of one variable: limits, continuity, sequences, series, differentiability, and the Riemann Integral.

Prerequisites: The prerequisites are MAT 2543 and MAT 2210, or permission. This course is offered every even-numbered fall.

MAT 4120 - Numerical Analysis

Credit(s): 3

This course covers numerical computation techniques for solving non-linear and transcendental equations including Newton's method, bisection method, and secant method. Other topics include numerical solutions to polynomials, including synthetic division, numerical interpolation, approximation, integration, and numerical solutions to ordinary differential equations.

Prerequisites: The prerequisites are CIS 2060 or other programming language, MAT3210, and MAT3310, or permission. This course is offered every odd-numbered fall.

MAT 4130 - Abstract Algebra

Credit(s): 3

This course serves as an introduction to the theory of the algebraic structure of groups, rings, and fields. It examines such topics as subgroups, quotient groups, homomorphisms, isomorphisms, ideals, and integral domains.

Prerequisites: MAT 2020 and MAT 3210; or permission of instructor

Offering Location: Johnson Campus

MAT 4140 - Geometry

Credit(s): 3

This course covers the foundations of Euclidean geometry and an introduction to hyperbolic and Riemannian geometry. The historical and philosophical implications of the discovery of non-Euclidean geometry are examined. Topics may include the contributions of Gauss, Hilbert, Saccheri, Bolyai, Lobachevsky and others.

Prerequisites: MAT 3210; or permission of instructor

Offering Location: Johnson Campus,

MAT 4710 - Special Topics in Mathematics

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the upper-level not offered in the general Mathematics curriculum. Topics are identified based on student and faculty interests.

Prerequisites: Permission of instructor.

Offering Location: Johnson Campus, Lyndon Campus

Notes: *This course may be repeated with a change of topic.*

MAT 4810 - Internship in Mathematics

Credit(s): 1-12

Students plan and complete an approved internship in consultation with their faculty supervisor.

Offering Location: Johnson Campus

MAT 4910 - Independent Study in Mathematics

Credit(s): 1-12

Students plan and complete an approved independent study in consultation with their faculty supervisor.

Offering Location: Johnson Campus

MAT 4930 - Senior Project in Mathematics

Credit(s): 3

This course is intended to give students the opportunity to engage in a significant capstone project in mathematics, allowing them to demonstrate the mathematical maturity they have attained from their work in the field. Each student's project proposal will require advance approval by the NVU-Johnson Mathematics Department and will culminate in a presentation to members of the mathematics faculty and other interested parties. All degree candidates in mathematics will be required to complete this experience satisfactorily.

Prerequisites: Successful completion of core assessment examination; 9 credits of approved mathematics electives

Restrictions: Senior standing

Offering Location: Johnson Campus

MAT 4990 - Senior Seminar

Credit(s): 1

This course consists of the completion of the required senior seminar, which will be reviewed by a faculty panel. Students will perform original research and/or review and summarize an article from a mathematical journal. The work will be presented to students and faculty. Emphasis is on developing the skill to perform research and present a nonstandard topic both orally and in writing.

Prerequisites: The prerequisite is senior standing. This course is offered every spring.

Music

Music

MUS 1015 - Meet the Masters

Credit(s): 3

The goal of this course is to demystify and make accessible the world of classical music. We will develop some basic ideas and terminology with which we can discuss and share ideas about music. We will listen to the music in the context of the lives of the various composers and will use the above ideas and terminology to develop listening skills that will enable us to understand and, consequently, to appreciate and enjoy what we are hearing.

Offering Location: Johnson Campus

MUS 1030 - Music Fundamentals

Credit(s): 3

This is a course for beginning students interested in learning how to read and write music. Includes basic writing skills such as staff notation (pitch, rhythm, dynamic markings) and basic reading, ear training and listening skills.

Offering Location: Johnson Campus

MUS 1041 - Class Piano I

Credit(s): 3

This course introduces the beginning student to the piano as a medium for performing and accompanying music. In addition to developing a proficiency on the instrument, the instruction introduces the student to a variety of different styles of music which may include folk, classical, jazz, and popular music for piano. The basics of music theory and musicianship are also covered. Daily practice is expected.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

MUS 1042 - Class Piano II

Credit(s): 3

[LGAD3] This course continues piano instruction begun in MUS 1041 Class Piano I. It can also serve as a vehicle to enable intermediate-level piano students to carry on their course of study begun before entering Lyndon State College. In addition to continuing to develop proficiency on the keyboard, students will be exposed to music of many styles including classical, popular and jazz; and, students will learn more advanced theoretical and practical aspects of music and musicianship. Daily practice is expected.

Prerequisites: The prerequisite is MUS 1041 or permission, which may include a placement audition. There is a course fee.

MUS 1045 - FYS: Songwriting for Beginners

Credit(s): 3

This course provides a pathway to the ability to write original songs of various types. Topics include fundamental aspects of music, basics songwriting skills and an historical perspective on successful songwriters from the distant past to today. Extensive use of YouTube allows students to observe, listen and analyze songs directly performed by master songwriters. Students will write at least three complete songs during the semester, along with many exercises during the process. Each song will be recorded. At the end of the semester, a CD recording will be produced, and there will be a final performance of each student's best works.

Restrictions: First-year students only

Offering Location: Johnson Campus

MUS 1050 - Elementary Piano Class

Credit(s): 2

Students in this class learn basic keyboard techniques through group instruction. The fundamentals of musical theory and structure and fundamental keyboard harmony are also stressed. No prior instruction required.

Offering Location: Johnson Campus

MUS 1085 - Elements of Music

Credit(s): 3

This course introduces the fundamentals of music. Students develop basic musicianship, and performance skills through the rudiments of music theory, and participation in an ensemble.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

MUS 1120 - Applied Music Lessons

Credit(s): 0.5

This is a half-hour, intensive private study in music through the performance of advanced concert repertoire. (NVU Johnson students taking applied lessons will automatically be registered for a 0-credit applied music lesson lab. See MUS 1120L.)

Offering Location: Johnson Campus, Lyndon Campus

MUS 1120L - Applied Music Lesson Lab

Credit(s): 0

This is a performance lab extension for all levels and sections of applied music lessons. The performance lab is designed to help students develop solo and small ensemble performance skills leading up to the end of the semester jury and final senior recital. The performance lab also gives students the opportunity to share their music with one another and to offer a community supporting the technical growth of the individual performing musicians. (Music majors are automatically enrolled in this lab for 0 credits each semester that they register for applied lessons until they complete the required lessons for their major.)

Offering Location: Johnson Campus

MUS 1160 - FYS: Music & Culture of New Orleans

Credit(s): 3

This course looks at the musical and cultural "gumbo" of New Orleans. Beginning with the history of its founding and the development and natural history, the city's African- American, Franco-American and Anglo-American cultural traditions and the music that developed from them will be examined, as well as how they function and are expressed in present day New Orleans. Styles covered will include traditional jazz, r & b/funk, Cajun, zydeco, brass bands and Mardi Gras Indians music. The effects of Hurricane Katrina on the culture and music of New Orleans will also be considered. The course will culminate with a trip to the French Quarter Festival in New Orleans in mid-April to experience the music and culture firsthand.

Restrictions: First-year students only

Offering Location: Johnson Campus

MUS 1175 - History of Western Music: A Survey

Credit(s): 3

This course provides an overview of Western European musical tradition from early times to the present, with an introduction to major composers, stylistic periods, and representative works. Music will be discussed through various historical perspectives providing students with a basic understanding of music's place in and influence on the flow of history.

Prerequisites: There is a course fee. This course is offered every odd-numbered fall.

MUS 1231 - Music Theory I

Credit(s): 3

This is an intermediate theory course designed for music majors who already have a grasp of music fundamentals. The course includes form and analysis, and four-part harmony and voice leading. This course is a prerequisite for advanced classical or jazz/contemporary theory.

Prerequisites: MUS 1030 or permission of instructor

Corequisites: *Required concurrent enrollment with MUS 1051 & MUS 1061 .

Offering Location: Johnson Campus

MUS 1232 - Music Theory II

Credit(s): 3

This is a continuation of MUS 1231, with continued study of non-harmonic tones, figured bass and the musical.

Prerequisites: MUS 1231 or permission of instructor

Corequisites: *Required concurrent enrollment with MUS 1052 & MUS 1062 .

Offering Location: Johnson Campus

MUS 1431 - Music Theory I and Ear Training

Credit(s): 3

This course is a continuation of MUS 1085 and focuses on intensive study of diatonic harmony, voice leading, sight singing, and contextual listening.

Prerequisites: MUS 1085 or permission.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

MUS 1560 - Musical Skills I

Credit(s): 2

Musical Skills I is the first course in a four-course musical skills sequence at Northern Vermont University-Johnson. Students will practice and develop basic skills in listening, singing, and keyboard proficiency that are crucial to any career in music.

Corequisites: MUS 1231

Offering Location: Johnson Campus

MUS 1710 - Special Topics in Music

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 1000-level not offered in the general Music curriculum.

Prerequisites: This course may be repeated with a change of topic.

MUS 1730 - Special Performance

Credit(s): 1

This course is designed for the student engaged in musical activities not otherwise sponsored by the Music Department. Students are required to take part in public solo and/or ensemble performances, log rehearsal hours, participate as audience, and write critical responses to peer performances.

Prerequisites: This course is offered every semester.

MUS 1760 - Musical Skills II

Credit(s): 2

Musical Skills II is the second course in a four-course musical skills sequence at Northern Vermont University-Johnson. Students will practice and advance their skills in listening, singing, and keyboard proficiency that are crucial to any career in music.

Prerequisites: MUS 1560

Corequisites: MUS 1232

Offering Location: Johnson Campus

MUS 2040 - Foreign Language Diction

Credit(s): 2

This course provides the necessary tools to facilitate the pronunciation of all of the Indo-European languages encountered in the field of vocal music. Students will be introduced to the symbols that comprise the International Phonetic Alphabet (IPA) and will then systematically apply these in the transliteration of texts.

Offering Location: Johnson Campus

MUS 2070 - Basic Songwriting

Credit(s): 3

This course in musical composition is designed to allow any student a chance to explore creativity through the medium of music. Students will experiment with various music forms associated with folk, rock, and/or pop musical genres. Study will include issues relating to intellectual property.

Prerequisites: MUS 1085 or permission.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

MUS 2080 - Songwriting I

Credit(s): 2

Through studying the techniques that proven songwriters use, students will learn the fundamentals in the art of songwriting. Class discussions and projects will focus on jazz standards, rock and roll, blues and popular songs of today. Artists such as the Beatles will be examined to see what makes a song a hit. Each student will have a final project that will include a recording of their

original composition to be recorded in conjunction with the recording studio at Johnson State College. Other topics will include: publishing your works, copywriting your works and how to make a professional promotion kit for your music.

Restrictions: Sophomore standing or permission of instructor

Offering Location: Johnson Campus

MUS 2120 - String Instrument Teaching Methods

Credit(s): 2

Basic techniques of violin, viola, cello and double bass are covered, as well as selection and presentation of teaching materials.

Prerequisites: MUS 1231 or concurrent enrollment

Offering Location: Johnson Campus

MUS 2160 - Introduction to Technology in Music

Credit(s): 2

This course introduces students to the new music technologies by surveying software applications for music composition, orchestration, recording, etc. Topics include music synthesis, MIDI and sequencing. Hands-on experience.

Offering Location: Johnson Campus

MUS 2190 - Electronic Music Composition

Credit(s): 3

This course introduces students to sound as a compositional medium. Students will explore digitally sampled sounds and will learn to construct pitch envelopes using ADSR (attack, decay, sustain, release) techniques that can be applied to either digital or analogue platforms. Although the course will include some mathematical applications, the focus of the course will be on compositional aspects of electronic music.

Prerequisites: The prerequisite is MUS 1030. There is a course fee.

MUS 2220 - Music Ensemble (J)

Credit(s): 0 or 0.5 or 1

Ensembles include: Chorale, Chamber Singers (must be concurrently enrolled in Concert Chorale), Percussion Ensemble, Concert Band, String Ensemble, Jazz Ensemble, Afro-Cuban Ensemble, Funk Fusion Ensemble and Guitar Ensemble.

Offering Location: Johnson Campus

MUS 2220 - Music Ensembles

Credit(s): 1

This course offers performance experience for students in either choral or instrumental settings.

Prerequisites: It may be repeated for credit. Depending upon the ensemble, there may be a course fee.

MUS 2231 - Studio Recording I

Credit(s): 3

This course offers students a hands-on opportunity to explore the exciting world of multitrack recording. Topics include studio setup, use of the equipment in the recording studio, over-dubbing, mixing and general producing concepts.

Prerequisites: MUS 2160 or permission of instructor

Offering Location: Johnson Campus

MUS 2250 - Introduction to Music Education

Credit(s): 2

This introductory course in Music Education is intended to provide historical, philosophical and practical foundations for the teaching of music. Initial exposure to the methods, tools, language and literature of the professional music education will be reviewed to help the student explore and confirm his or her decision to enter the field. Students will become collegiate members of the National Association for Music Education, read articles in its professional journal and attend the annual Vermont Music Educators Conference. Field observations in area schools will provide real world examples of public school music instruction.

Offering Location: Johnson Campus

MUS 2280 - Drumming Across Cultures

Credit(s): 3

This course introduces students to diverse musical traditions from a wide range of geographical areas across the globe. Students study various aspects of World Music in terms of structure, performance practice, social use, aesthetics, and cross-cultural contact through the lens of the percussion ensemble. Instruction focuses primarily on musics transmitted through oral/aural traditions allowing students to gain experience without the need to understand written music. While the framework of the course is a musical one, cultural perspectives are also stressed, giving students a deeper understanding of context and meaning across cultures.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

MUS 2313 - Music Theory III

Credit(s): 3

Advanced music theory for music majors. Classical studies of advanced form and analysis including baroque, classical, romantic and 20th-century forms.

Prerequisites: MUS 1232 or permission of instructor

Corequisites: *Required concurrent enrollment with MUS 2023 & MUS 2053 .

Offering Location: Johnson Campus

MUS 2314 - Music Theory IV

Credit(s): 3

This is a continuation of MUS 2313.

Prerequisites: MUS 2313 or permission of instructor

Corequisites: *Required concurrent enrollment with MUS 2024 & MUS 2054 .

Offering Location: Johnson Campus

MUS 2330 - Elementary Voice Class

Credit(s): 3

This course is designed for the beginning vocal student wishing to improve his or her voice. Proper vocal technique is employed along with an introduction to beginning vocal literature. The anatomy of the vocal mechanism is discussed.

Offering Location: Johnson Campus

MUS 2340 - Class Instruction in Voice

Credit(s): 3

[LGAD3] This course introduces the beginning student to the voice as a medium for performing music. In addition to developing a proficiency as a singer, the instruction introduces the student to a large body of folk, classical, jazz, and popular music for the voice and teaches fundamental theoretical and practical aspects of music and musicianship. Daily practice is expected.

Prerequisites: There may be a course fee. This course is offered every even-numbered spring.

MUS 2341 - Class Guitar I

Credit(s): 3

[LGAD3] This course introduces the beginning student to the guitar as a medium for performing and accompanying music. In addition to developing proficiency on the instrument, the instruction introduces the student to a large body of music that may include classical, folk, jazz and other cultural styles. The student will also learn fundamental and practical aspects of music and musicianship as a result of the instruction. Daily practice is expected. Students must be willing to provide a suitable guitar for class use. The instructor will have final say as to its appropriateness for this course.

Prerequisites: This course is offered every semester. There is a course fee.

MUS 2342 - Guitar II

Credit(s): 3

This course allows students to build on elementary skills and to explore a variety of guitar styles. It includes further development

of individual techniques and continued study of musical notation, history, and theory. Access to a guitar is required.

Prerequisites: The prerequisite is MUS 2341 or permission by audition. There is a course fee. This course is offered every spring.

MUS 2350 - Music Theater Production

Credit(s): 0 or 3

This course is designed to give students a complete experience preparing for a performance of either a full book musical or a musical theater revue. Meetings will be scheduled from two to four times per week; students will be guided through the process of exploring and creating a character through the medium of singing. Emphasis will be placed on the differences between the rigors of moving from speech to song and vice versa that are presented by the musical theater medium. Students will also learn how to work in cooperation with on-stage colleagues, musicians and crew. In addition, they will learn how to care for their general and vocal health during the critical pre- and mid-production periods. In addition, the cast will study the particular attributes of each show or shows being performed, vis-a-vis political and social/historical context as well as any significant literary connections or foundations.

Offering Location: Johnson Campus

MUS 2361 - Instrumental Techniques I

Credit(s): 3

This course is designed to prepare music education students to teach woodwind instruments to beginning and intermediate-level students. Techniques for successful beginning woodwind instruction and performance are studied, along with instructional planning procedures and resource materials. Students' teaching and playing competencies will be centered on the flute, clarinet and saxophone. Students will also become familiar with the oboe and bassoon.

Prerequisites: MUS 2250

Offering Location: Johnson Campus

MUS 2362 - Instrumental Techniques II

Credit(s): 3

This course picks up where MUS 2361 leaves off and should be taken sequentially. This course is designed to prepare music education students to teach brass and percussion instruments to beginning and intermediate-level students. Techniques for successful beginning brass and percussion instruction and performance are studied, along with instructional planning procedures and resource materials. Students' teaching and playing competencies will be centered on the trumpet, French horn, trombone, euphonium, tuba and snare drum as well as many other percussion instruments including bass drum, timpani, cymbals, band and orchestra auxiliary percussion and Latin/African hand percussion.

Prerequisites: MUS 2361

Offering Location: Johnson Campus

MUS 2410 - Collaborative Creativity in Music

Credit(s): 1

This course provides a guided environment in which students learn from fellow classmates as they gain individualized knowledge and experience in the field. This course can be repeated for credit, but no more than 2 credits may be used toward program requirements.

Prerequisites: This course is open to Music Business and Industry majors only. The course is offered every semester.

MUS 2430 - Music Theory II and Ear Training

Credit(s): 3

This course is a continuation of MUS 1431 and focuses on music analysis, written theory, model composition, and contextual listening.

Prerequisites: MUS 1431 or permission.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

MUS 2560 - Musical Skills III

Credit(s): 2

Musical Skills III is the third course in a four-course musical skills sequence at Northern Vermont University-Johnson. Students will continue their development of skills in listening, singing, and keyboard proficiency that are crucial to any career in music.

Prerequisites: MUS 1560 and MUS 1760

Corequisites: MUS 2313

Offering Location: Johnson Campus

MUS 2710 - Special Topics in Music

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 2000-level not offered in the general Music curriculum.

Prerequisites: This course may be repeated with a change of topic.

MUS 2740 - Music Studies Seminar

Credit(s): 3

[LGWL2] This course addresses a particular topic in music studies, such as Jazz, Film Music, American Music Theater, Opera, Rock & Roll, or Hip-Hop & Rap. This course may be repeated with a change of topic but may count only once toward program requirements.

Prerequisites: There is a course fee. This course is offered every even-numbered fall.

MUS 2760 - Musical Skills IV

Credit(s): 2

Musical Skills IV is the last course in a four-course musical skills sequence at Northern Vermont University-Johnson. Students will develop and experience advanced skills in listening, singing, and keyboard proficiency that are crucial to any career in music.

Prerequisites: MUS 1560, MUS 1760, and MUS 2560

Corequisites: MUS 2314

Offering Location: Johnson Campus

MUS 2810 - Internship in Music

Credit(s): 1-12

Students plan and complete an approved internship in consultation with their faculty supervisor.

Offering Location: Johnson Campus

MUS 2910 - Independent Study in Music

Credit(s): 1 to 3

This course gives the student an opportunity to work on a special area of interest that is not possible through the standard curriculum.

Prerequisites: The prerequisite is permission. The Independent Study contract must be approved, signed and submitted before the current semester's registration period closes.

MUS 2910 - Independent Study in Music (J)

Credit(s): 1-12

Students plan and complete an approved independent study in consultation with their faculty supervisor.

Offering Location: Johnson Campus

MUS 3031 - History of Western Music I

Credit(s): 3

This is a detailed survey of the art of music, covering the history of musical styles through the study of composers, their works and pertinent historical relationships. Periods include the origins of music, Greek music systems and thought, church liturgy and Medieval, Renaissance, Baroque, Rococo, pre-classical and classical music.

Prerequisites: MUS 1231; MUS 1232; or the equivalent

Offering Location: Johnson Campus

MUS 3032 - History of Western Music II

Credit(s): 3

This is a detailed survey of the art of music from the Romantic Period to the present, including Impressionism, Atonalism, Verism, "Neoclassicism," Expressionism, serial music, aleatory music, electronic techniques and the influence of folk and popular music. The course covers the study of composers, their works and pertinent historical relationships.

Prerequisites: MUS 1231; MUS 1232; or the equivalent

Offering Location: Johnson Campus

MUS 3040 - Jazz in America

Credit(s): 3

This course combines a look at the historical development of jazz in America (including a stylistic examination of such major figures as Louis Armstrong, Duke Ellington, Charlie Parker, Miles Davis and John Coltrane) with a discussion of various critical issues pertaining to its evolution and how it expresses and illuminates aspects of American history and culture. Students will sharpen their appreciation and understanding of historically important styles of jazz and develop an awareness of how the music and its performers have contributed to and reflected America's ongoing social and cultural development.

Offering Location: Johnson Campus

MUS 3045 - Jazz in Theory and Practice

Credit(s): 3

This course builds from the foundation of traditional music theory but will focus on advanced aspects of theory unique to the jazz idiom. Emphasis is on the use of standard notation combined with chord symbols in a 'lead sheet' format. Composition and analysis are core ingredients of the course.

Prerequisites: The prerequisite is MUS 1231, or permission. There is a course fee. This course is offered every odd-numbered fall.

MUS 3050 - The Social History of Rock & Roll

Credit(s): 3

This course is an interdisciplinary study of the evolution of rock music from 1950 to the present, with attention to the social climate of this period. Social issues examined include rock 'n' roll and racism, the hippie culture, technological advances, economic forces and the political climate. Students study a specific rock style as a field project. Open to all students; previous background or experience in musical study and performance is not required.

Offering Location: Johnson Campus

MUS 3055 - Rock and Roll: Form and Style

Credit(s): 4

This course will address the evolution of Rock & Roll as a moving force in 20th Century world music. Students will study the

cultural roots of Rock & Roll as well as the historical forces that helped to shape the varied forms and styles in Rock music. In addition, students will have the opportunity to sample selected works within the genre as they recreate music representative of various stylistic decades beginning with primitive 12-bar Blues to Rock of the 1950s, '60s, '70s and into current trends. The course will consist of three credits of lecture plus a one credit lab to give students an opportunity to experience both the theory and practice associated with musical forms and styles in Rock & Roll.

Prerequisites: The prerequisite is MUS 1030, or permission. The course is offered every fall.

MUS 3060 - Vocal Pedagogy

Credit(s): 2

Students in the course will receive grounding in the structure and function of the vocal mechanism, combined with a survey of basic pedagogical approaches to healthy vocal production and singing technique. Students will have introductory experiences in teaching basic constructs for both group and individual contexts. Students will be introduced to the International Phonetic Alphabet as a tool for teaching diction in both the choral and solo arenas. Attention will be given to psychological and technical problems that may occur at all stages of vocal development. Time granted for an introduction to solo vocal repertoire may be considered. While this course focuses on foundational singing technique in Bel Canto style, course discussions and projects are expected to branch into other styles, techniques of singing, and specialized areas of interest such as Belt Technique, jazz style, the changing adolescent voice, the aging voice, vocal issues in relation to gender transitions, etc. -- the final goal being a platform from which to deal more effectively with teaching voices of all types in both the group and individual contexts.

Offering Location: Johnson Campus

MUS 3080 - Choral Literature

Credit(s): 2

This course comprises the study and performance of choral literature written for vocal ensembles of all sizes. Literature studied spans all historical periods and styles from the early Renaissance through the 20th century.

Restrictions: Permission of instructor

Offering Location: Johnson Campus

MUS 3130 - Composition

Credit(s): 3

Students learn to write in styles from Baroque to Contemporary. During the latter part of the class, the development of personal style is stressed, and students often meet with the instructor on a one-to-one basis.

Prerequisites: MUS 1231; MUS 1232; or equivalent

Offering Location: Johnson Campus

MUS 3140 - Arranging/Orchestration

Credit(s): 3

This course introduces students to the essential materials needed to orchestrate and arrange music in a variety of idioms. Students will study specific combinations of instrumentation and learn how to apply them to a score and parts. Students will complete a

minimum of three major arrangements during the semester as well as other assignments. Sibelius notation program will be used during class and will be an additional skill needed.

Prerequisites: MUS 1231; MUS 1232; or permission of instructor

Offering Location: Johnson Campus

MUS 3160 - Elementary School Music Methods

Credit(s): 3

This course is a survey of teaching methods for music in the elementary school classroom through singing, playing, movement and listening experiences. Emphasis on the child's voice and on the development of creative educational materials. Students also learn about special instructional techniques, including the Orff, Kodaly and Delcroze methods.

Offering Location: Johnson Campus

MUS 3210 - Secondary School Music Methods

Credit(s): 3

The emphasis in this course is on vocal and instrumental music in the secondary schools, organization and rehearsal techniques. General music classes and musical theater also receive attention.

Offering Location: Johnson Campus

MUS 3215 - Technology for the Music Classroom

Credit(s): 3

Wonderful opportunities exist for using music and technology in many classroom settings: elementary, middle school, special services, general music, chorus and instrumental music. This course explores some of the tools that are available in music composition, computer-assisted instruction, music keyboards, multimedia and presentation formats. The course is designed to meet the needs of a variety of individuals with varied backgrounds and abilities in music.

Offering Location: Johnson Campus

MUS 3220 - History of Blues

Credit(s): 3

This course traces the history and development of blues from African origins through the rural blues of Mississippi, the East Coast and Texas to the electric blues of Chicago, the blues revival of the 1960s and modern blues today. A close examination of the music itself, the people who make it, the rural and urban social contexts that have supported it, the mutual influence and interconnection of blues and rock-and-roll, and the relationship of blues to African-American history and culture.

Offering Location: Johnson Campus

MUS 3230 - Survey of American Musical Theater

Credit(s): 3

This course follows the development of the American (Broadway) musical from its roots in the musical revue and operetta at the beginning of this century to its full flowering in the 1940s and onward. Primary emphasis will be given to the works of the major creators of the genre.

Offering Location: Johnson Campus

MUS 3240 - Applied Music Lessons

Credit(s): 1

Students study techniques and literature in the music performance media for one hour per week. (NVU Johnson students taking applied lessons will automatically be registered for a 0-credit applied music lesson lab. See MUS 1120L.)

Offering Location: Johnson Campus, Lyndon Campus

MUS 3260 - Music Theater Workshop

Credit(s): 3

This workshop serves as a conduit for the synthesis of acting, singing and dance in the musical theater idiom. Through small scene and solo work, students receive personalized attention and focus on their individual growth. Through self-evaluations, peer evaluation and instructor comments, students grow as musical theater performers. Scene and solo work are tailored to the level of the individual student. This process allows the individual performer to evolve. The course includes a musical revue prepared and produced entirely by members of the course. Additionally, special topics are covered that are specific to the musical theater profession, and guest speakers and artists are invited to reinforce concepts being taught in the curriculum.

Prerequisites: THA 1041; THA 2122; 2 credits of applied voice lessons

Offering Location: Johnson Campus

MUS 3270 - Choral Methods

Credit(s): 3

This course is designed for music majors planning to attain licensure in PreK-12 music certification. Emphasis will be centered around philosophies, literature, methods of teaching, vocal development and the adolescent (changing voice) and additional topics specific to the middle school choral program (grades 5-8).

Offering Location: Johnson Campus

MUS 3272 - Studio Recording II

Credit(s): 3

This is a continuation of MUS 2231 at a more advanced level. Topics covered include continued research in analogue recording, as well as information required to work with the most recent technology in digital recording.

Prerequisites: MUS 2231

Offering Location: Johnson Campus

MUS 3310 - Band Methods

Credit(s): 2

This course familiarizes music education students with the requirements and responsibilities of teaching band in elementary, middle and secondary schools. Students will focus on developing philosophical, theoretical and practical methods of teaching instrumental music. Students will develop critical thinking skills pertinent to the instrumental education through a review of scholarly literature and discussion of current issues facing the instrumental music educator. Upon successful completion of Band Methods, students will be equipped to effectively manage instrumental music programs at the elementary, middle and secondary levels.

Offering Location: Johnson Campus

MUS 3330 - Worlds of Music

Credit(s): 3

This course introduces students to a variety of world music cultures, exploring their diverse musical sounds, structures, and traditions. The emphasis is placed on developing knowledge and understanding of the basic patterns in music, the concept of music as a cultural phenomenon and ethnographic approaches to music.

Restrictions: Johnson: None; Lyndon: Junior Standing or permission of instructor

Offering Location: Johnson Campus, Lyndon Campus

Notes: *There may be a course fee.*

MUS 3342 - Advanced Guitar

Credit(s): 3

This course continues to build upon skills gained in MUS 2342 with an emphasis on virtuosity. Access to a guitar is required.

Prerequisites: The prerequisite is MUS 2342 or permission by audition. There is a course fee. This course is offered every fall.

MUS 3350 - Music of the Americas (J)

Credit(s): 3

This course acquaints students with various styles of North and South American music and place those styles in social and cultural perspective. The course will examine Brazilian, Reggae, Afro-Cuban, Cajun and Zydeco, the cultural elements that influenced their development and how each style has influenced American popular music.

Offering Location: Johnson Campus

MUS 3350 - Music of the Americas (L)

Credit(s): 3

This course introduces students the the various styles of North and South American music and demonstrates their significance in U.S. history. It is a survey of important musical works that represent different traditions, geographical regions, and time periods.

Restrictions: Junior standing or permission.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

MUS 3401 - Conducting I

Credit(s): 3

This course covers fundamentals of baton technique, score study and analysis, score reading, principles of interpretation and rehearsal technique using representative works from choral and instrumental literature.

Offering Location: Johnson Campus

MUS 3402 - Conducting II

Credit(s): 3

This course is a continuation of MUS 3401 with an emphasis on extensive refinement of techniques.

Prerequisites: MUS 3401

Offering Location: Johnson Campus

MUS 3510 - Junior Recital

Credit(s): 1

A 35-minute public music presentation of representative works in the student's primary applied instrument. This course is specifically designed as a capstone experience of applied lesson study for the Four-Year Music Education student. Performance majors may elect to present a junior recital in their junior year, however, the junior recital will not replace or reduce the senior recital requirements for the concentration. Students planning a junior or senior recital must schedule their performance date with the NVU-Johnson Dibden Technical Director and NVU-Johnson Supervising Faculty at least six months in advance of the expected performance date.

Prerequisites: 5 credits of MUS 3240, Applied Music Lessons, in one primary instrument

Restrictions: Junior standing

Offering Location: Johnson Campus

MUS 3710 - Special Topics in Music

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 3000-level not offered in the general Music curriculum.

Prerequisites: This course may be repeated with a change of topic.

MUS 3710 - Special Topics in Music (J)

Credit(s): 3

The topics addressed in this course vary and are noted prior to the registration period.

Offering Location: Johnson Campus

MUS 4010 - Music Theater Production

Credit(s): 0 or 3

This course is designed to give students a complete experience preparing for a performance of either a full book musical or a musical theater revue. Meetings will be scheduled from two to four times per week; students will be guided through the process of exploring and creating a character through the medium of singing. Emphasis will be placed on the differences between the rigors of moving from speech to song and vice versa that are presented by the musical theater medium. Students will also learn how to work in cooperation with on-stage colleagues, musicians and crew. In addition, they will learn how to care for their general and vocal health during the critical pre- and mid-production periods. In addition, the cast will study the particular attributes of each show or shows being performed, vis-a-vis political and social/historical context as well as any significant literary connections or foundations

Offering Location: Johnson Campus

MUS 4020 - Final Production in Studio Recording

Credit(s): 2

Students design individual projects that combine various skills in composition, performance, engineering and production. The project culminates in the production of a professional-quality CD recording containing each student's proposed musical format.

Prerequisites: MUS 1231; MUS 1232; MUS 2160; MUS 2231; MUS 3140; MUS 3272

Offering Location: Johnson Campus

MUS 4030 - Applied Music Lessons

Credit(s): 1.5

These lessons comprise 1.5 hours per week. (Students taking applied lessons will automatically be registered for a 0-credit applied music lesson lab. See MUS 1120L.)

Offering Location: Johnson Campus

MUS 4420 - Seminar in Professional Preparation for Music Education

Credit(s): 2

This course is a pre-service forum for issues, experiences, problems and questions that may arise during the student's student teaching internship. The course is designed as the final course in the music education sequence. Students will also complete their portfolio requirements in preparation for certification, assemble job application packets and experience mock interviews. Students must be collegiate members of the National Association for Music Education, read articles in its professional journal

and attend the annual Vermont Music Educators Conference. Field observations in area schools are required.

Prerequisites: MUS 2250 or MUS-2101 (CSC course) or MUS-2102 (CSC course); MUS 2361; MUS 2362; MUS 3215; MUS 3270; and MUS 3310.

Offering Location: Johnson Campus

MUS 4710 - Special Topics in Music

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 4000-level not offered in the general Music curriculum.

Prerequisites: This course may be repeated with a change of topic.

MUS 4720 - Senior Recital

Credit(s): 2

A public presentation of representative works in student's primary applied area. Fulfillment of all requirements outlined in the student handbook. Consent of NVU-Johnson Fine Arts chairperson.

Offering Location: Johnson Campus

MUS 4810 - Internship in Music

Credit(s): 1-12

Students plan and complete an approved internship in consultation with their faculty supervisor.

Offering Location: Johnson Campus, Lyndon Campus

MUS 4910 - Independent Study in Music

Credit(s): 1 to 3

This course offers topics of special interest in a variety of areas that are not treated in the regular curriculum. The course may be repeated once.

Prerequisites: The prerequisite is permission of instructor. The Independent study contract must be approved, signed and submitted before the current semester's registration period closes.

MUS 4910 - Independent Study in Music (J)

Credit(s): 1-12

Students plan and complete an approved independent study in consultation with their faculty supervisor.

Offering Location: Johnson Campus

Music Business and Industry

Music Business and Industry

MBI 1025 - First-Year Music Seminar

Credit(s): 3

This course emphasizes the key components to being successful in college and the entertainment industry. Careers, ethics, professionalism, and current trends in music will be discussed, and opportunities for practical use are given in presentations and critiques, as well as craftsmanship. Students will set goals and make plans for future success in their chosen field.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

MBI 1360 - Introduction to the Music Industry

Credit(s): 3

This course presents students with an overview of media platforms, marketing trends, advances in technology, and the nuts and bolts of the industry. Topics such as talent agency, management, production, entertainment law, and copyright regulations will be introduced. The course attempts to address the rapid changes presented by an ever-evolving industry.

Prerequisites: There is a course fee. This course is offered every semester.

MBI 1710 - Special Topics in Music Business and Industry

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 1000-level not offered in the general Music Business and Industry curriculum.

Prerequisites: This course may be repeated with a change of topic.

MBI 2160 - Digital Recording Techniques

Credit(s): 3

This course covers basic principles of digital recording software such as Pro Tools and is designed for the beginning audio student. The course provides students with the knowledge and skills needed to complete a project from the initial set-up to final mix-down. Topics may include recording live instrument or voice, MIDI sequencing, software synthesizers, editing audio files, and region looping techniques.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

MBI 2170 - Introduction to Audio Engineering

Credit(s): 3

This course introduces various elements associated with music production in analog recording studios and digital audio workstations (DAWs). Topics may include tracking, mixing, studio signal flow, acoustics, equalization, time-based processing (reverb and delay), microphone use and design, and session workflow.

Prerequisites: MBI 2160 or permission.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

MBI 2171 - Hybrid Mixing Techniques

Credit(s): 3

This course combines analog and digital audio workstation (DAW) mixing in the recording studio. Topics may include panning, filtering, equalization, dynamic processing (compression, limiting, and gating), time-based processing (reverb and delay), patch bay routing, and automation.

Prerequisites: MBI 2160 and MBI 2170.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

MBI 2315 - Record Label Practicum: Production

Credit(s): 2

This course provides students with an experiential learning opportunity through the operation of a student-run record label. Participants will work collaboratively on music projects from the talent scouting A+R (Artists & Repertoire) phase through contract negotiation, pre-production, recording and mastering.

Prerequisites: The prerequisites are MBI 1360 and permission. There is a course fee. This course is offered every fall.

MBI 2325 - Record Label Practicum: Marketing

Credit(s): 2

This course provides students with an experiential learning opportunity through the operation of a student-run record label. In this course, the emphasis is placed on end-phase copyright registration, royalties and accounting, advertising and packaging design, manufacturing, distribution, marketing, and promotion work.

Prerequisites: The prerequisite is MBI 2315 or permission. There is a course fee. This course is offered every spring.

MBI 2420 - Artist Management and Development

Credit(s): 3

This course presents an overview of the role of the artist's manager in the music business and will focus on various aspects concerned with managing and developing the careers of independent as well as contracted performing artists. Study will include a

review of the manager's rights and responsibilities, his/her relationship with individual musicians or musical groups, and the myriad business concerns associated with A&R (artist & repertoire). Topics such as contracting, booking, and material protection will be included; tour management, recording/performance issues, and career guidance may be discussed.

Prerequisites: The prerequisites are MBI 1360 and sophomore standing. This course is offered every fall.

MBI 2510 - Pro Tools 101: Introduction to Pro Tools

Credit(s): 2

This course covers basic Pro Tools principles. It provides everything the student needs to complete a Pro Tools project from initial set up to final mixdown. The course focuses on Pro Tools software and covers a multitude of new functions and feature enhancement. At the end of this course the student will be able to create sessions, make audio recordings, import media into a session, make MIDI recordings, apply basic and mix editing techniques, create music and post hands-on projects. This course and MBI 2511 are required for the Pro Tools User certification.

Restrictions: By Permission.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

MBI 2511 - Pro Tools 110: Pro Tools Production

Credit(s): 2

This course presents a more detailed look at the Pro Tools system introduced in MBI 2510. It covers all the key concepts and skills needed to operate a Pro Tools system at the upper level. Students will be able to configure a studio, control Pro Tools using external controllers, manage session data, record MIDI and audio, and use loop recording other and advanced techniques. This course and MBI 2510 are required for the Pro Tools User certification.

Restrictions: By Permission.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

MBI 2710 - Special Topics in Music Business and Industry

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 2000-level not offered in the general Music Business and Industry curriculum.

Prerequisites: This course may be repeated with a change of topic.

MBI 3170 - Recording and Post-Production Techniques

Credit(s): 3

This course is a study of audio post-production methods used in television, film, radio, video games, and streaming media. Topics may include automated dialogue replacement (ADR), synchronization to picture, voiceover technique, delivery standards, sound

effects, Foley, and score.

Prerequisites: MBI 2170 and MBI 2171, or permission.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

MBI 3180 - Live Sound Reinforcement

Credit(s): 3

This course covers foundations, practices, and techniques in live sound reinforcement including selecting and placing microphones, creating a flexible signal plan, and mixing audio streams in live performance situations.

Prerequisites: MBI 2171 or permission.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

MBI 3210 - Music Publishing

Credit(s): 3

This course explores the legal, contractual, and copyright issues associated with the publishing and licensing of sheet music, song lyrics, and related music formats. Students will study general copyright issues, publishing and administration, and licensing, as well as the roles of performing rights organizations such as ASCAP, BMI, and AIMP as they pertain to both traditional copyright regulations and to the Digital Millennium Copyright Act (DMCA) of 1998. Topics may include copyright filing and royalties; master licensing; public domain libraries; foreign rights, royalties, and copyright issues; publishing companies' rights and responsibilities; record label issues; artist development processes; and infringement fines and penalties.

Prerequisites: The prerequisites are MBI 1360 and junior standing. There is a course fee. This course is offered every spring.

MBI 3220 - Advanced Audio Production

Credit(s): 3

This course addresses advanced topics in audio engineering and music production, and accumulates in a mastered sound recording project. Topics may include advanced audio console signal flow, patch bay routing, stereo microphone techniques, analog and digital audio effects, signal processing, mastering, technical ear training, and special techniques in sound recording.

Prerequisites: MBI 1360 and MBI 2171.

Restrictions: Junior standing.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

MBI 3310 - Event Management and Promotion

Credit(s): 3

This course provides students with the training necessary for planning, managing, and promoting live musical events and festivals. Students will receive training through hands-on experiences as they learn to staff, advertise, promote, and manage live events on campus and in the community.

Prerequisites: The prerequisites are MBI 1360 and sophomore standing. There is a course fee. This course is offered every odd-numbered spring.

MBI 3330 - Venue Management

Credit(s): 3

This course examines various aspects of venue management. Topics may include venue selection, customer and competition identification, artist contracts and riders, booking policies, box office management and ticketing, food and beverage service, financial planning and management, leases and contracts pertaining to leasing, public relations, promotions, and advertising. Issues concerning city zoning laws and licensing, liability and other types of insurance, and personnel management may also be covered.

Prerequisites: The prerequisites are BUS 2015 and either BUS 2230 or MBI 1360. There is a course fee. This course is offered every even-numbered spring.

MBI 3420 - Contemporary Issues in Music Management

Credit(s): 3

This course examines evolving issues in music management. Topics may include music marketing & distribution, and concert booking & tour management. This course may be repeated with a change of topic.

Prerequisites: The prerequisite is junior standing or permission. There is a course fee. This course is offered every odd-numbered spring.

MBI 3430 - Contemporary Issues in Audio Production

Credit(s): 3

This course examines evolving issues in audio production. Topics may include live sound in the field, audio production analysis, and audio mastering. This course may be repeated with a change of topic.

Prerequisites: The prerequisite is junior standing or permission. There is a course fee. This course is offered every even-numbered spring.

MBI 3710 - Special Topics in Music Business and Industry

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 3000-level not offered in the general Music Business and Industry curriculum.

Prerequisites: This course may be repeated with a change of topic.

MBI 4040 - Auditory Perception and Psychoacoustics

Credit(s): 3

This course presents a more in-depth study of the theory and behavior of sound. Topics may include basic audiology, psychoacoustics, the anatomy and physiology of hearing, and issues associated with advanced recording techniques.

Prerequisites: The prerequisite is MBI 3170. There is a course fee. This course is offered every odd-numbered fall.

MBI 4220 - Entrepreneurship in the Music Industry

Credit(s): 3

This course provides students an opportunity to examine new and emerging businesses within the music industry in areas such as artist management, publishing, new media, merchandising, music sales, and touring. Students will connect with successful music business entrepreneurs to better understand the origins of businesses, from DIY (do-it-yourself) start-ups to larger non-traditional partnerships and corporations. In this course students will conceive a venture of their own and develop a business plan.

Prerequisites: The prerequisites are MBI 1360 and junior standing. There is a course fee. This course is offered every spring.

MBI 4710 - Special Topics in Music Business and Industry

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 4000-level not offered in the general Music Business and Industry curriculum.

Prerequisites: This course may be repeated with a change of topic.

MBI 4720 - Professional Development Seminar

Credit(s): 3

This course introduces Music Business & Industry students to the professional expectations they will encounter in internships and job placements. The instruction focuses on deportment, written and oral communication, organizational skills, and other competencies necessary for success in a professional setting, and will include a variety of cooperative exercises and peer evaluation.

Prerequisites: The prerequisite is junior standing. There may be a course fee. This course is offered every fall.

MBI 4810 - Music and Performing Arts Internship

Credit(s): 1-6

This course prepares students for a career in the music or performing arts industry. Under the supervision of a qualified industry professional, students will gain on-the-job experience, develop job-related skills, and acquire knowledge of professional expectations through placement at an approved site. Students will negotiate a contractual agreement with the site supervisor and will coordinate activities through a faculty supervisor. This course may be repeated for a total of 18 credits, but no more than 6 credits may count toward program requirements.

Prerequisites: The prerequisite is permission. There may be a course fee. This course is offered every semester. The course may be taken as P/NP or for a letter grade.

Outdoor Education, Leadership, & Tourism

OEL 1000 - Introduction to Outdoor Education

Credit(s): 3

This course introduces students to the field of outdoor education through a variety of firsthand outdoor learning experiences in combination with classroom sessions. The course includes an introduction to historical and philosophical backgrounds of the field as well as career exploration. Integral to the course is participation in a range of adventure-based experiences, activities that emphasize an understanding and appreciation of the natural environment and outdoor learning experiences integrating various curriculum content areas.

Restrictions: OELT Majors Only.

Offering Location: Johnson Campus, Lyndon Campus

Notes: *There is a course fee.*

OEL 1010 - Leisure and Tourism in Society

Credit(s): 3

This course presents an overview of global historical and philosophical foundations of leisure, recreation, and tourism. Topics include public and private leisure and tourism service delivery systems. It provides a conceptual basis for the evolution of leisure, tourism, and work in relation to social, economic, and environmental factors in the context of mountain and community-based recreation, tourism, and hospitality. Career paths in leisure-related services are examined, along with trends and issues facing the profession.

Offering Location: Johnson Campus, Lyndon Campus

Notes: *There is a course fee.*

OEL 1080 - Leadership and Small Group Dynamics

Credit(s): 3

This course introduces the principles and practices of small group dynamics, including theories of leadership, leadership models, ethics, problem solving, and the effective improvement of the productivity of a small group. The instruction emphasizes organizational skills, initiative problems, and processing group conflict. Applied projects are required.

Offering Location: Johnson Campus, Lyndon Campus

Notes: *There is a course fee.*

OEL 1090 - FYS: Deep Survival - Wilderness Lessons for a Complex World

Credit(s): 3

While NOT designed to teach the primitive living skills associated with surviving in the wilderness, this course does involve a wilderness experience and associated coursework that explores how and/or why some people manage to survive life-threatening experiences while others don't live to tell their story. Using a case-study approach to analyze misadventures, one can draw conclusions about what it takes to survive adversity, then link these ideas to personal success while navigating the complexities and challenges of the college experience. This course combines a multi-day backpacking experience during the summer with follow-up meetings in the fall semester to help participants understand how the concepts of leadership, community and a sense of place are integral to surviving a wilderness living and travel experience, and how these lessons directly relate to surviving and thriving in the college experience, and in life.

Restrictions: First-year students only.

Offering Location: Johnson Campus

Notes: *Students must read pertinent course information and sign a contract.*

OEL 1095 - OEL First Year Seminar

Credit(s): 3

This course prepares students for their college career at Northern Vermont University-Lyndon, specifically as it pertains to the Outdoor Education, Leadership, and Tourism department.

Offering Location: Lyndon Campus

Notes: *Pass/No Pass Only. There is a course fee.*

OEL 1121 - Fundamentals of Rock Climbing

Credit(s): 2

This course introduces basic rock climbing skills through approximately 5-6 days of outdoor rock climbing instruction. This class is designed for students with little to no experience as an introduction to the sport, but is suitable for students with climbing experience. Students learn the essential skills of rock climbing, including basic knots and belaying, as well as anchor systems, with emphasis on safety and the development of fundamental skills involved with climbing.

Offering Location: Johnson Campus, Lyndon Campus

Notes: *There is a course fee.*

OEL 1122 - Fundamentals of Mountain Biking

Credit(s): 1

This course introduces basic mountain biking skills through several days of riding and instruction. This class is designed for students with little or no experience as an introduction to the sport, but is also suitable for more experienced riders.

Offering Location: Lyndon Campus

Notes: *Students need their own bike or be able to rent. Pass/No Pass Only. There is a course fee.*

OEL 1123 - Fundamentals of Canoeing

Credit(s): 1

This course introduces basic canoeing skills through a minimum of 3 days of canoeing on local bodies of water. This class is designed for students with little or no experience as an introduction to the sport, emphasizing safety and the development of fundamental skills involved with canoeing.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

OEL 1125 - Fundamentals of Kayaking

Credit(s): 1

This course is an introductory program emphasizing safety, enjoyment, and skill acquisition for entry level individuals. This may result in up to level 2 ACA certification.

Offering Location: Johnson Campus, Lyndon Campus

Notes: *There is a course fee.*

OEL 1126 - Fundamentals of Ice Climbing

Credit(s): 1

This course introduces students to basic ice climbing skills and techniques through approximately 3 days of outdoor ice climbing. This class is designed for students with little or no experience as an introduction to the sport.

Prerequisites: OEL 1121 or permission.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

OEL 1127 - Fundamentals of Alpine Climbing

Credit(s): 1

This course introduces the fundamental skills for safe travel in the mountains in a harsh environment. Topics may include building snow shelters, safe travel with crampons and ice axe, and practicing the basics of being part of a rope team in alpine terrain.

Offering Location: Lyndon Campus

Notes: *Pass/No Pass Only. There is a course fee.*

OEL 1128 - Level I Avalanche and Companion Rescue

Credit(s): 2

This course focuses on recognition of avalanche terrain, planning and preparation for travel in avalanche terrain, applying the decision making framework, and learning effective companion rescue techniques. Students successfully completing the course earn course completion from American Institute for Avalanche Research and Education (AIARE) for their Recreational Level I and Companion Rescue course.

Offering Location: Lyndon Campus

Notes: *Pass/No Pass Only. There is a course fee.*

OEL 1140 - Introduction to Mountain Resort Management

Credit(s): 3

This course offers an overview of the specific mountain and management operations of mountain resorts and the interrelation of the resort and tourist industries. The instruction focuses on an analysis of the physical, financial, and human variables attendant to the tourist industry and the operation of a destination resort.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

OEL 1150 - Fundamentals of Backcountry Skiing and Riding

Credit(s): 1

This course is designed as an introduction to the sport of backcountry ski touring and split boarding. Course content will include the theory and methodology of skiing techniques, physical preparation and training for the activity, equipment requirements, proper selection and sizing of equipment, techniques and skills specific to backcountry skiing, and most importantly, practice.

Offering Location: Lyndon Campus

Notes: *Students will partake in a number of off-campus field trips. There is a course fee.*

OEL 1160 - Wilderness First Aid

Credit(s): 1

This course is a hands-on introduction to wilderness medicine. The curriculum consists of learning the Patient Assessment System, how to provide effective first aid treatments for injuries and illnesses common in the outdoors, prevention methods, and how to make appropriate evacuation decisions.

Offering Location: Johnson Campus

OEL 1710 - Special Topics in Outdoor Education, Leadership, and Tourism

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 1000-level not offered in the general Outdoor Education, Leadership, and Tourism curriculum.

Offering Location: Johnson Campus, Lyndon Campus

Repeatable for Credit: With a change of topic.

OEL 1810 - Outdoor Education Practicum

Credit(s): 3

This course is a 3 to 5 day, overnight, backcountry travel trip that focuses on either backpacking and/or canoeing mode of travel. The curriculum consists of trip planning, risk management, leadership, teaching & instructional strategies, and integrates Leave No Trace principles.

Offering Location: Johnson Campus, Lyndon Campus

Notes: *The pre-trip classroom instructional sessions occur during the second half of the spring semester. The actual field trip is scheduled just after the conclusion of the spring semester. See each section for trip dates. There is a course fee.*

OEL 2050 - Outdoor Emergency Care

Credit(s): 4

This course provides students with hands-on, competency-based training that prepares candidate ski patrollers and other outdoor rescuers to manage the emergency care problems encountered in the backcountry and other outdoor settings. The knowledge and skills learned place special emphasis on ski and snowboard injuries, high-altitude and cold-weather illness, wilderness extrications, and the special equipment needed for emergency care and transportation in the outdoor environment. Students are required to take a final exam and demonstrate their skills and knowledge in exam scenarios. Successful completion of this course leads to an NSP Certificate of Achievement and an OEC card (valid for three years).

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

OEL 2060 - Wilderness First Responder

Credit(s): 3

This course integrates wilderness and medical training that leads to certification in Wilderness First Responder (WFR). The course content meets the Department of Transportation National Standards for First Responder with additional protocols for extended care situations.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

OEL 2121 - Advanced Single Pitch Rock Climbing

Credit(s): 3

This course is designed for students who are seeking to become competent mountain professionals and/or skilled climbing enthusiasts. Through approximately 8-9 days of rock climbing and technical skills work students learn systems of protection, building anchors, lead climbing, and progress towards becoming a climbing instructor. At the end of this course, motivated students should be able to safely climb in a variety of settings and be prepared to take the American Mountain Guides

Association (AMGA) Single Pitch Instructor (SPI) exam.

Prerequisites: OEL 1121 with a grade of C- or better, or permission.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

OEL 2122 - Advanced Mountain Biking

Credit(s): 2

This course teaches advanced cross country and downhill mountain bike riding and repair skills through several days of riding and bike repair work at Kingdom Trails and Burke Bike Park.

Prerequisites: OEL 1122 or permission.

Offering Location: Lyndon Campus

Notes: *Students need their own bike or be able to rent. There is a course fee.*

OEL 2123 - Advanced Canoeing

Credit(s): 2

This course provides an introduction to advanced canoe skills. Topics include paddling rivers, catching large eddies, performing simple peel outs and ferries, recognizing and avoiding hazards, performing rescues, responding to emergencies on moving water, navigating rivers, and instructing basic canoe skills. This course may result in up to a level 3 ACA certification.

Prerequisites: OEL 1123 or permission.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

OEL 2125 - Advanced Kayaking

Credit(s): 2

This course introduces paddlers to safe and enjoyable kayaking on calm rivers and moderate whitewater. Students will acquire intermediate level skills with a focus on learning to instruct in public, private, and commercial settings. Students may earn up to level 3 American Canoe Association (ACA) kayak certification.

Prerequisites: OEL 1125 or permission.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

OEL 2126 - Advanced Ice Climbing

Credit(s): 2

This course introduces students to climbing steep ice and mixed rock/ice terrain, and provides instruction to the safety systems involved in ice climbing and strategies to teach ice climbing. Students may participate in multipitch ice climbing experiences and/or learn lead climbing.

Prerequisites: OEL 1126 with a grade of C- or better.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

OEL 2127 - Advanced Alpine Climbing

Credit(s): 2

This course builds on existing skills in traveling over rock, snow, and ice, and introduces climbers to techniques essential to traveling and living in more technical and challenging mountain terrain.

Prerequisites: OEL 1127

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

OEL 2128 - Level II Avalanche

Credit(s): 2

This course addresses advanced knowledge and decision-making skills. Topics include advanced understanding of avalanche terrain, stability analysis, snowpack development, and forecasting frameworks, and instruction in advanced companion rescue skills including multiple and deep burials. Successful completion of this course results in the American Institute for Avalanche Research and Education (AIARE) Level 2 certification.

Prerequisites: OEL 1128

Offering Location: Lyndon Campus

Notes: *Pass/No Pass Only. There is a course fee.*

OEL 2130 - Wilderness Mind

Credit(s): 3

This course explores the interface between wilderness and the self from historical, cultural, psychological, and personal perspectives, aimed toward the student's development of their own wilderness ethic. The course examines historical American perspectives on wilderness and assesses how our relationship with wilderness has changed over time. These perspectives are then compared and contrasted with views presented by other cultures. These explorations will be advanced through the use of lecture, dialogue, and experiential learning. Throughout the course, the student will be challenged to examine their own views on the meaning, purpose, and value of wilderness and to develop a set of personal ethics and practices that correspond with those views. This course includes a two day Leave No Trace trainer course leading to certification with the Leave No Trace Center for Outdoor Ethics.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

OEL 2140 - Ropes Course Leadership

Credit(s): 3

This course prepares students to lead groups in team building challenges, focusing on selected initiative tasks, trust building exercises and ropes course programming.

Offering Location: Johnson Campus, Lyndon Campus

Notes: *There is a course fee.*

OEL 2150 - Advanced Backcountry Skiing and Riding

Credit(s): 2

This course introduces the advanced skier or rider to the necessary skills to minimize risk and maximize enjoyment in backcountry ski terrain. Students may be exposed to a variety of terrain from remote glades to steep chutes, depending upon conditions.

Prerequisites: OEL 1150 and OEL 1128, or permission.

Offering Location: Lyndon Campus

Notes: *Proper equipment for uphill travel or willingness to rent is required. There is a course fee.*

OEL 2210 - Lift Functions and Maintenance

Credit(s): 3

This course provides students with the basic knowledge about passenger ropeway systems and how they operate, including such components as tensioning, mechanical, electrical, hydraulic and braking systems, and their required maintenance. Workplace skills and required safety equipment, risk-management procedures, and ANSI-regulations are reviewed and demonstrated. Upon completion of the course, students may test out of the Level I Vermont State Lift Apprentice program.

Prerequisites: OEL 1140

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

OEL 2230 - Mountain Resort Software Technologies

Credit(s): 3

This course introduces students to software technology exclusive to the resort industry through lectures focusing on the foundations of the software design as well as the considerations of a needs assessment for the resort industry. Students will explore reservations, ticketing, and point of sale systems, including the use of virtual software tours and scenarios through off-

line tutorial programs supported by industry leaders in resort technologies.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

OEL 2710 - Special Topics in Outdoor Education, Leadership, and Tourism

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 2000-level not offered in the general Outdoor Education, Leadership, and Tourism curriculum.

Offering Location: Johnson Campus, Lyndon Campus

Repeatable for Credit: With a change of topic.

OEL 2720 - OELT Internship Seminar

Credit(s): 1

This course focuses on personal skill assessment, resume preparation and interview skills, site identification, development of learning objectives, special intern projects, and contract/agreement negotiations for the internship. Students should enroll in the seminar during their second year in order to have a resume in place for an internship.

Restrictions: Sophomore standing.

Offering Location: Johnson Campus, Lyndon Campus

Notes: *Pass/No Pass Only.*

OEL 2841 - Mountain Resort Management Practicum I

Credit(s): 4

This course allows students concentrating in mountain resort management an opportunity to engage in hands-on learning at various mountain resorts while participating in fall mountain operations and to meet managers and supervisors to discuss resort trends and issues.

Restrictions: Sophomore standing and permission.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

OEL 2842 - Mountain Resort Management Practicum II

Credit(s): 4

This course is an experiential course which includes rotation to several resorts through a variety of operations such as lift and skier services, snowmaking, ski patrol, sales and marketing, rentals, and shadowing of mountain managers. Students engage in on-mountain problem solving exercises.

Prerequisites: OEL 2841

Restrictions: Sophomore standing and permission.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

OEL 2852 - Snow Maintenance

Credit(s): 3

This course provides an overview of the technical aspects of snow production and maintenance. The unique properties of both natural and artificial snow will be examined. Students will visit various mountain resorts, meet with industry professionals, and learn about water resource management, off-season terrain preparation, and snow making equipment care and maintenance.

Prerequisites: OEL 1140

Restrictions: Sophomore standing.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

OEL 2855 - Summer Mountain Operations

Credit(s): 3

This course examines the evolution of mountain resorts and their transition into year-round destinations for outdoor recreation. Students gain hands-on experience in summer mountain operations such as canopy tours, adventure parks and downhill mountain biking. In meetings and interviews with industry professionals, students learn about summer operation management trends and issues.

Prerequisites: OEL 1140

Restrictions: Sophomore standing.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

OEL 2900 - Outdoor Expedition

Credit(s): 1-4

This course provides students with an opportunity to help plan and participate in extended wilderness trips and expeditions, or any activity-oriented program in ski resort or outdoor recreation settings.

Restrictions: By Permission.

Offering Location: Johnson Campus, Lyndon Campus

Repeatable for Credit: Yes, but only 4 credits may be counted toward program requirements.

Notes: *There is a course fee.*

OEL 3010 - Learning in the Outdoors

Credit(s): 4

This course involves the development and implementation of a program of outdoor education activities conducted for the sixth grade students of Grand Isle County at Camp Abnaki in North Hero, Vermont. Students develop instructional, recreational and counseling activities in various disciplines. Class preparation and planning sessions precede the weeklong residential component. A fee is charged for food service and facility usage during the May program.

Prerequisites: PSY 2070, OEL 1080, or instructor permission.

Offering Location: Johnson Campus

Notes: *There is a course fee.*

OEL 3020 - Program and Event Planning

Credit(s): 3

This course covers the principles of administering recreation programs and special events in public, private or commercial settings, including fiscal administration and budgeting, organization, leadership, and program evaluation. The course includes opportunities for practical applications.

Prerequisites: OEL 1080 or instructor permission.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

OEL 3030 - Outdoor Program Planning & Administration

Credit(s): 3

This course is a study of the principles involved in administering safe, high-quality outdoor education experiences, including program philosophy and goals, risk management and liability, fiscal administration and budgeting, organization and leadership and program evaluation.

Restrictions: Junior standing

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

OEL 3050 - Resort Law and Risk Management

Credit(s): 3

This course is designed to introduce students to legal liability and the law, as well as the concepts, practices, and tools of risk management in mountain recreation management settings. The curriculum focuses on legal terms and concepts, hazard identification, risk analysis, incident investigation, developing a risk management plan, and loss prevention in agency contexts.

Prerequisites: OEL 2842

Restrictions: Junior standing or instructor permission.

Offering Location: Lyndon Campus

OEL 3070 - Adventure Education Theory and Practice

Credit(s): 3

This course explores the nature of the adventure participant's experience from a variety of theoretical perspectives including risk-seeking, motivation, fear, optimal arousal, self-efficacy, attribution, expectancy and flow theory. Also explored are experiential education, leadership theories as applied to adventure education and the ethics of adventure leadership. Students will participate in role playing scenarios, simulations and field trips to better understand the functioning of these theories in practice.

Prerequisites: OEL 2900 and OEL 3240.

Offering Location: Johnson Campus, Lyndon Campus

Notes: *There is a course fee.*

OEL 3090 - Leave No Trace Master Educator

Credit(s): 3

This course provides students with comprehensive training in Leave No Trace skills and ethics through practical application in a field-based setting. The course combines classroom sessions with multi-day backpacking trips to learn how to teach and practice the principles of Leave No Trace. This course follows the internationally recognized standards of the Leave No Trace Center for Outdoor Ethics' LNT Master Educator Course, and, upon successful completion, students will have the ability to conduct Leave No Trace Trainer courses and awareness workshops for others.

Offering Location: Johnson Campus, Lyndon Campus

Notes: *There is a course fee.*

OEL 3110 - Public Relations

Credit(s): 3

This course focuses on public relationships between an organization and its stakeholders and on the theory and practice of PR. The course addresses the development of PR, and offers practical tools for relating to the media, gaining publicity, and dealing with crises.

Restrictions: Junior standing.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

OEL 3121 - Advanced Rock Climbing and Rescue

Credit(s): 3

This course is designed for students who are seeking to become proficient mountain professionals and/or skilled climbing enthusiasts. Students will learn about advanced rock climbing systems through approximately 8-9 days of instruction in a variety of contexts. Students transition towards becoming climbing instructors as well as mastering the technical skills of multipitch climbing systems and self-rescue in a variety of settings.

Prerequisites: OEL 2121 with a grade of C- or better, or permission.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

OEL 3240 - Backcountry Leadership

Credit(s): 3

This course provides experience leading a group in the wilderness allowing opportunities for feedback and practice leading others. This class aids students in transitioning from being participants in program to designing, implementing, leading, and evaluating adventure education programs.

Prerequisites: OEL 1000

Corequisites: OEL 3850

Offering Location: Johnson Campus, Lyndon Campus

Notes: *There is a course fee.*

OEL 3710 - Special Topics in Outdoor Education, Leadership, and Tourism

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 3000-level not offered in the general Outdoor Education, Leadership, and Tourism curriculum.

Restrictions: Sophomore standing.

Offering Location: Johnson Campus, Lyndon Campus

Repeatable for Credit: With a change of topic.

OEL 3810 - Co-Op in Recreation

Credit(s): 1-6

This course provides a cooperative education experience in natural resource GIS mapping and planning, ski resort or adventure-based program management in a field placement within a recreation-related agency which provides entry-level, practical application of academic theories and principles. The placement must be approved by a recreation advisor before the closing date of the semester for adding a course, and involves developing a learning contract between a site supervisor, student, and faculty

advisor. See also the section on cooperative education elsewhere in this catalog. Elective credit for the co-op is based on a formula of fifty work hours per credit.

Restrictions: OELT Majors Only. Junior Standing and Permission.

Offering Location: Lyndon Campus

Repeatable for Credit: Yes, three times.

OEL 3850 - Adventure Programming

Credit(s): 4

This course provides students who are concentrating in Adventure Leadership an opportunity to participate in a variety of hands-on field experiences to begin developing skills necessary for effective outdoor leadership. This course provides instruction and practice in a variety of skills that include but are not limited to technical, safety, environmental, leadership, and facilitation skills.

Restrictions: By Permission.

Offering Location: Johnson Campus, Lyndon Campus

Notes: *There is a course fee.*

OEL 4020 - Management in Mountain Recreation Services

Credit(s): 3

This course examines management in mountain recreation services, principles, and practices with the intent of enhancing community well-being and promoting economic sustainability. The instruction examines managerial leadership, budget practices, community relations, and area and facility maintenance.

Restrictions: OELT Majors Only. Junior Standing or Permission.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

OEL 4710 - Special Topics in Outdoor Education, Leadership, and Tourism

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 4000-level not offered in the general Outdoor Education, Leadership, and Tourism curriculum.

Restrictions: Sophomore standing.

Offering Location: Johnson Campus, Lyndon Campus

Repeatable for Credit: With a change of topic.

OEL 4740 - Research and Evaluation Capstone

Credit(s): 4

This course requires students to identify, design, and implement an evaluative research study resulting in a capstone research paper. Topics include an overview of the principles and applications of evaluative research design, literature reviews, questionnaire construction, data collection, data analysis, reporting results, and presenting and defending findings. Laboratory sessions provide students with data analysis practice using new and existing data sets.

Prerequisites: ENG 1072 (at NVU Johnson) or ENG 1082 (at NVU Lyndon).

Recommended: MAT 2021.

Restrictions: Junior standing.

Offering Location: Johnson Campus, Lyndon Campus

Notes: *There is a course fee.*

OEL 4750 - Leadership Portfolio

Credit(s): 2

This course requires the recording of leadership experience throughout a student's time at NVU-Lyndon and helps them demonstrate the required number of leadership days has been completed. The concept of 'leadership days' will be introduced in previous courses and serves as a platform for completing an essential program requirement documenting experience.

Offering Location: Lyndon Campus

OEL 4810 - Internship in Outdoor Education, Leadership, and Tourism

Credit(s): 6-15

This course provides a full-time placement of a senior OELT major at an approved site for the purpose of developing and fulfilling career goals under the supervision of a qualified professional.

Prerequisites: OEL 2720.

Restrictions: By Permission.

Offering Location: Johnson Campus, Lyndon Campus

OEL 4830 - OELT Teaching Assistant

Credit(s): 1-4

This Teaching Assistant (TA) course provides practical work experience related to the student's educational and professional goals in Outdoor Education. The TA will work closely in a mentoring relationship with the instructor of an OELT course to deliver learning experiences in Outdoor Education to enrolled NVU students. The TA experience will allow the student to develop leadership, instructional, facilitation, and/or guiding professional skills. Depending on the specific OELT course assigned, the TA may also have opportunities to practice various communication styles, group management, decision-making, program planning, logistics, and risk management.

Restrictions: Sophomore standing and Permission (contract required).

Offering Location: Johnson Campus

Repeatable for Credit: Yes.

Notes: *There may be a course fee.*

Philosophy

Philosophy

PHI 1010 - Introduction to Philosophy

Credit(s): 3

This course is a survey of some of major philosophical issues, including our knowledge of reality, the nature of the mind or self, the existence of God, the problem of evil, freedom and determinism, morality and the good life.

Offering Location: Johnson Campus

PHI 1030 - Introduction to Logic

Credit(s): 3

This course is a study of the principles of good reasoning, including the nature of argument and inference, deductive and inductive reasoning and informal fallacies.

Offering Location: Johnson Campus

PHI 1040 - Introduction to Ethics

Credit(s): 3

This course introduces some of the major ethical theories about morally right action, the morally good person and the just society. Such theories may include ethical absolutism, ethical relativism, ethical egoism, utilitarianism, formalism and rights theory. Topics may be drawn from contemporary moral issues such as capital punishment, abortion and euthanasia.

Offering Location: Johnson Campus

PHI 1050 - Ethical Practice

Credit(s): 3

[LGSS1] This course focuses on ways to act wisely and effectively as moral agents in society. It is not a survey of traditional moral theory. Drawing on the philosophical tradition and on critical examination of life situations, students engage such topics as personal integrity, sensitivity and fairness to others, and conditions for collaborative and respectful living.

PHI 1060 - Logic and Creative Thinking

Credit(s): 3

[LGSS1] This course presents criteria of good reasoning and focuses on identifying, analyzing, and developing creative solutions through open-ended, generative, and experimental thinking modeled on crafts such as construction, performance, and empirical science. Topics addressed may include methods of argument construction and analysis, multiplying options, brainstorming, lateral thinking, reframing problems, and expanding possibilities through imaginative and improvisational engagement. These skills are reinforced by applications and exercises covering a wide range of situations, including advertising, political rhetoric, logic games and puzzles, the difficulties of everyday life, and the largest issues on a global level.

Prerequisites: This course is offered every fall.

PHI 1710 - Special Topics in Philosophy

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 1000-level not offered in the general Philosophy curriculum.

Prerequisites: This course may be repeated with a change of topic.

PHI 2050 - Nature, Science, and Technology

Credit(s): 3

This course will examine a variety of influential movements and pressing issues in philosophical work concerning the ways that scientific inquiry and technological development shape how we view human society and our relationships with the other-than-human world. Topics addressed may include the distinction between natural and artificial, the association of science and technology, the value and applicability of the scientific method and of scientific theories, the potential conflicts between sustainability and resource development, the roles of social and environmental justice and activism, and what, if any, moral responsibilities humans have to non-human animals, to the natural environment, and to technology itself.

Prerequisites: ENG 1081 or permission.

Offering Location: Lyndon Campus

PHI 2090 - Popular Culture and Philosophy

Credit(s): 3

This course will address a particular topic of popular culture and the specific philosophical issues related to it. Topics may include The Simpsons, The Sopranos, The Lord of the Rings, South Park, Harry Potter, James Bond, The Beatles, and the Grateful Dead. This course may be repeated with a change of topic, but may be counted only once toward program requirements.

Prerequisites: ENG 1082 or permission.

Offering Location: Lyndon Campus

PHI 2710 - Special Topics in Philosophy

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 2000-level not offered in the general Philosophy

curriculum.

Prerequisites: This course may be repeated with a change of topic.

PHI 2910 - Independent Study in Philosophy

Credit(s): 1-12

Students plan and complete an approved independent study in consultation with their faculty supervisor.

Offering Location: Johnson Campus

PHI 3065 - Philosophy of Film and Television

Credit(s): 3

[LGWL2] This course examines a variety of philosophical concerns related to film and television. Issues addressed include the social significance of film and television, the relation between fine art and popular entertainment, the differences between still and moving pictures, the differences between theatrical and home presentations, the construction of the illusion of reality, and the basis for our emotional interactions with characters.

Prerequisites: The prerequisite is ENG 1082 or permission. This course is offered every odd-numbered spring.

PHI 3140 - Art Theory and Criticism

Credit(s): 3

[LGWL2] This course explores philosophical issues and theories concerning artistic expression and art appreciation. Issues such as defining art and creating and experiencing artworks are investigated from the frameworks of a cross-cultural selection of philosophic theories.

Prerequisites: The prerequisite is ENG 1082 or permission. This course is offered every even-numbered spring.

PHI 3150 - Philosophy Through Literature

Credit(s): 3

Philosophical problems and world views, as presented in literature from Greek tragedies to contemporary novels, are surveyed in this course. Particular attention is given to historical, political and scientific events that formed and changed the concept of our place in the universe.

Prerequisites: Two semesters of philosophy or literature

Offering Location: Johnson Campus

PHI 3710 - Special Topics in Philosophy

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 3000-level not offered in the general Philosophy curriculum.

Prerequisites: This course may be repeated with a change of topic.

PHI 4710 - Special Topics in Philosophy

Credit(s): Variable

This course provides students the opportunity to pursue topics of special interest in philosophy appropriate to the 4000-level not offered in the general Philosophy curriculum.

Prerequisites: This course may be repeated with a change of topic.

PHI 4810 - Internship in Philosophy

Credit(s): 2-15

The internship provides students with practical experience in the application of their previous course work in the major. Arrangements for placement must be made with the supervising faculty member, faculty advisor, the site supervisor, and the Career Services office. Following approval of the work experience, students are required to submit a learning contract and biweekly reports.

Prerequisites: The prerequisite is permission. The internship may be repeated for credit, but only 3 credits may be counted toward program requirements.

PHI 4910 - Independent Study in Philosophy

Credit(s): 3

Through regular consultation with and approval of a faculty advisor, Independent Study in Philosophy allows the more mature student to pursue an in-depth study of a part of the philosophical tradition or a subject of special interest.

Prerequisites: The prerequisite is permission.

PHI 4910 - Independent Study in Philosophy (J)

Credit(s): 1-12

Students plan and complete an approved independent study in consultation with their faculty supervisor.

Offering Location: Johnson Campus

Physical Education

Physical Education

PED 1010 - Physical Education Activities

Credit(s): 5

Choices include Volleyball, Aerobics: Total Body Conditioning, Yoga, Water Aerobics, Weight Training (coed), Women's

Weight Training, Martial Arts, Winter Sports Conditioning, Tennis, Spinning, Walk Your Way to Fitness, and Burning with the Bar.

Offering Location: Johnson Campus

PED 1120 - Skills and Techniques

Credit(s): 1 to 2

This course emphasizes knowledge and skills that enable students to participate in a variety of individual, dual, team, wellness, water, and martial arts activities. Students receive one credit for a seven-week course and two credits for a full-semester course.

Offering Location: Lyndon Campus

Repeatable for Credit: Yes.

Notes: *There is a course fee.*

PED 1150 - Foundations of Physical Education

Credit(s): 3

This course is designed to introduce students to the foundations of the profession of physical education. Students explore such topics as the historical and philosophical bases of physical education and related fields, the role and objectives of physical education and sport in our society, current trends and issues, career opportunities, and professional involvement.

Offering Location: Johnson Campus

PED 1710 - Special Topics in Physical Education

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 1000-level not offered in the general Physical Education curriculum.

Prerequisites: This course may be repeated with a change of topic.

PED 2030 - Educational Games, Dance & Gymnastics

Credit(s): 2

This course introduces students to a variety of active games, dance and educational gymnastic experiences for children. Students will learn how to design, modify, present and evaluate these activities.

Offering Location: Johnson Campus

PED 2040 - Team Sports

Credit(s): 2

This course provides opportunities to analyze the similarities and differences among various team sports. Students will learn how

to design, modify, present and evaluate a selection of team sports activities.

Offering Location: Johnson Campus

PED 2110 - Individual, Dual & Lifetime Activities

Credit(s): 2

This course introduces students to a variety of individual, dual and lifetime physical activities. Students will learn how to design, modify, present and evaluate these activities.

Offering Location: Johnson Campus

PED 2710 - Special Topics in Physical Education

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 2000-level not offered in the general Physical Education curriculum.

Prerequisites: This course may be repeated with a change of topic.

PED 2810 - Internship in Elementary Physical Education

Credit(s): 0.5

Students plan and complete an approved internship in consultation with their faculty supervisor.

Corequisites: EDU 3311, contract required.

Offering Location: Johnson Campus

PED 2810 - Internship in Physical Education for Exceptional Populations

Credit(s): 0.5

Students plan and complete an approved internship in consultation with their faculty supervisor.

Corequisites: EDU-2110, contract required.

Offering Location: Johnson Campus

PED 2910 - Independent Study in Physical Education

Credit(s): 1-12

Students plan and complete an approved independent study in consultation with their faculty supervisor.

Offering Location: Johnson Campus

PED 3010 - Coaching Methods

Credit(s): 2

This course explores the theory, techniques and practices of coaching and emphasizes advanced skills, drills, and real and problem-solving games situations. The instruction also investigates the psychological, social and physiological influences on the athlete.

PED 3070 - Methods of Teaching Elementary Physical Education

Credit(s): 4

Principles and methods of physical education for grades K-6 are presented. Movement, exploration, fundamental motor- skill learning and their relationship to the development of the child are studied. Early teaching experience is included in the content of the course.

Prerequisites: EDU 2365; PED 1150

Offering Location: Johnson Campus

PED 3120 - Measurement & Evaluation

Credit(s): 3

This course is designed to apply principles of measurement and evaluation to teaching physical education. A special emphasis will be placed on test construction, selection and administration. Additionally, the student will be presented with various assessment tools in the psychomotor, cognitive and affective domains used in physical education.

Prerequisites: MAT 1080 or successful completion of Quantitative Reasoning Assessment

Restrictions: Physical Education majors seeking teaching endorsement only, or instructor's permission

Offering Location: Johnson Campus

PED 3140 - Methods of Teaching Secondary School Physical Education

Credit(s): 4

This course examines theory and implementation of the secondary physical education curriculum. Includes practical application in the field. This shared course may have different prerequisites at the other VSC colleges.

(with lab)

Prerequisites: EDU 2365; PED 1150; or permission of instructor

Offering Location: Johnson Campus

PED 3710 - Special Topics in Physical Education

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 3000-level not offered in the general Physical Education curriculum.

Prerequisites: This course may be repeated with a change of topic.

PED 4710 - Special Topics in Physical Education

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 4000-level not offered in the general Physical Education curriculum.

Prerequisites: This course may be repeated with a change of topic.

PED 4910 - Independent Study in Physical Education

Credit(s): 1-12

Students plan and complete an approved independent study in consultation with their faculty supervisor.

Offering Location: Johnson Campus

Physics

Physics

PHY 1120 - Introduction to Astronomy

Credit(s): 4

This course develops the subject of astronomy historically from the ancient Greeks through the Renaissance to modern astronomy. This course includes the solar system, comets, meteors, and the tools of the astronomer. Initially, the course emphasizes star and constellation identification through classroom discussions, slides, visits to the Fairbanks Planetarium, and field trips at night.

Prerequisites: There is a course fee. This course is offered every fall.

PHY 1710 - Special Topics in Physics

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 1000-level not offered in the general Physics curriculum.

Prerequisites: This course may be repeated with a change of topic.

PHY 2010 - Introduction to Electricity and Electronics

Credit(s): 4

[LGSE8] This course introduces the basic physics of electricity and magnetism, fundamentals of DC and AC circuit theory,

semiconductor devices, electronic circuits, digital electronics, and communication systems. The lab work involves the use of basic electric and electronic equipment and experiments pertaining to subject matter.

Prerequisites: The prerequisite is MAT 1020, or permission. There is a course fee. This course is offered every odd-numbered fall.

PHY 2020 - Energy, Environment, and Society

Credit(s): 4

This course focuses on such topics as energy sources and transformations, energy use and crises, environmental impact, alternative energy systems, solar energy, energy conservation, problems associated with nuclear power, and relations between energy use and environmental pollution. This course is cross-listed with ENV 2060.

Prerequisites: There is a course fee. This course is offered every spring.

PHY 2025 - Physics for the Environment

Credit(s): 4

This course covers selected topics in physics that are essential in understanding the scientific basis of some current environmental concerns. Topics include energy, conservation of energy, heat, laws of thermodynamics, electric energy, atomic structure, nuclear energy, and ionizing radiation.

Prerequisites: The prerequisite is MAT 1020 or MAT 1060. There is a course fee. This course is offered every spring.

PHY 2030 - The Universe

Credit(s): 4

This course studies the nature of the universe from the birth of stars to black holes. It includes the study of the origins of the universe, space-time and gravity, galaxies, current cosmological theories, star formations, black holes, and life beyond Earth.

Prerequisites: The prerequisite is MAT 1020 or MAT 1060 or equivalent. There is a course fee. This course is offered every spring.

PHY 2031 - Fundamental Physics I

Credit(s): 4

Although this treatment of fundamental physics is analytical rather than merely descriptive, no mathematics beyond algebra is necessary for this course. The instruction includes such topics as linear and rotational motion, force, momentum, energy, heat, and related conservation laws.

Prerequisites: MAT 1020

Offering Location: Johnson Campus, Lyndon Campus

Notes: *There is a course fee. This course is offered every fall.*

PHY 2032 - Fundamental Physics II

Credit(s): 4

This course includes such topics as electricity, magnetism, electromagnetic waves, and modern physics.

Prerequisites: PHY 2031

Offering Location: Johnson Campus, Lyndon Campus

Notes: *There is a course fee. This course is offered every spring.*

PHY 2061 - Classic Physics I

Credit(s): 4

This course introduces calculus-based physics and covers vectors, translational and rotational kinematics, Newtonian mechanics, non-inertial reference frames, work and energy, momentum, conservation laws, and collision theory. The course requires five hours of lecture, recitation, and laboratory per week.

Prerequisites: MAT 1531

Offering Location: Lyndon Campus

PHY 2062 - Classic Physics II

Credit(s): 4

This course covers rotational dynamics, fluid statics and dynamics, temperature, kinetic theory, thermodynamics, and wave theory. The course requires five hours of lecture, recitation, and laboratory per week.

Prerequisites: PHY 2061

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

PHY 2063 - Classic Physics III

Credit(s): 4

This course examines electric forces and fields, magnetism, direct and alternating current circuits, Maxwell's Equations, electromagnetic waves, geometric and wave optics, blackbody radiation, and turbulence and turbulent flows.

Prerequisites: The prerequisites are PHY 2062 and MAT 2532. There is a course fee. This course is offered every odd-numbered spring.

PHY 2120 - Physics Modules

Credit(s): 1 to 4

This course provides an introductory study and/or laboratory of a specific or specialized topic generally passed over in introductory astronomy/physics courses. Topics are chosen within the interests of students and faculty.

Prerequisites: There is a course fee.

PHY 2710 - Special Topics in Physics

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 2000-level not offered in the general Physics curriculum.

Prerequisites: This course may be repeated with a change of topic.

PHY 2910 - Independent Study in Physics

Credit(s): 1-12

Students plan and complete an approved independent study in consultation with their faculty supervisor.

Offering Location: Johnson Campus

PHY 3120 - Modern Physics

Credit(s): 4

This course introduces the formal treatment of the theory of relativity, quantum mechanics, atomic structure, statistical physics, solid-state physics, nuclear structure, elementary particles, general relativity, and cosmology.

Prerequisites: The prerequisite is PHY 2063, or permission. There is a course fee.

PHY 3710 - Special Topics in Physics

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 3000-level not offered in the general Physics curriculum.

Prerequisites: This course may be repeated with a change of topic.

PHY 4110 - Physics Modules

Credit(s): 1 to 4

This course provide an intensive study of a variety of current topics in physics, and is offered in response to the current interests of the students and faculty. The course topics could include alternative energy systems, nuclear reactor technology, or the physics of life systems. Some modules may be taken for major elective credit with written permission.

Prerequisites: The course requires 15 lecture/lab hours per credit. The prerequisite is permission. There is a course fee.

PHY 4530 - Research in Physics

Credit(s): 3 to 6

This course presents the opportunity for a detailed study of an original problem chosen in conjunction with an appropriate faculty member. Consultation for admission to this course must occur at least one semester prior to enrollment. The study must be approved by the faculty advisor(s), followed by the submission of a literature search, an outline of the problem, and a final written report. The written report should be approved and defended orally before the Science Department. Students concentrating in environmental science are expected to include a field orientation in their research. Weekly meetings with the advisor(s) are required.

Prerequisites: Any science major is eligible with permission. There is a course fee.

PHY 4710 - Special Topics in Physics

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 4000-level not offered in the general Physics curriculum.

Prerequisites: This course may be repeated with a change of topic.

PHY 4910 - Independent Study in Physics

Credit(s): 1-12

Students plan and complete an approved independent study in consultation with their faculty supervisor.

Offering Location: Johnson Campus

Political Science

Political Science

POS 1010 - Introduction to Political Science

Credit(s): 3

This course surveys the basic principles and institutions of governments and examines them in the context of modern governments, both democratic and non-democratic.

Offering Location: Johnson Campus, Lyndon Campus

Notes: *This course is offered every semester.*

POS 1020 - American Politics and Government

Credit(s): 3

This course observes the origin, structure and operation of the American political system in the context of federalism, constitutional law, and the obligations and rights of the citizen.

Offering Location: Johnson Campus, Lyndon Campus

Notes: *This course is offered every spring.*

POS 1030 - Comparative Government

Credit(s): 3

This course compares political institutions and processes of nations in the 21st century.

Offering Location: Johnson Campus, Lyndon Campus

Notes: *This course is offered every fall.*

POS 1040 - African-American History & Politics

Credit(s): 3

From slavery to emancipation, through the Civil Rights Movement and urban racial conflict, this course examines the cultural, economic and political dynamics of African-American life. Through books, films, essays and music, the course considers the contributions of Sojourner Truth, Dubois, Brentt, King, Malcolm X, Spike Lee, Toni Morrison and others.

Offering Location: Johnson Campus

POS 1710 - Special Topics in Political Science

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 1000-level not offered in the general Political Science curriculum.

Prerequisites: This course may be repeated with a change of topic.

POS 2010 - Observation of the Legislative Process

Credit(s): 3

This course gives students an opportunity to observe the legislative process in action, by attending party caucuses, committee meetings and public hearings at the Vermont State House while the legislature is in session.

Offering Location: Johnson Campus

POS 2040 - International Relations

Credit(s): 3

This course serves as an introduction to the nature and problems of international politics and includes the development and interpretation of the modern states system, power factors, nationalism, imperialism, and international organization.

Offering Location: Johnson Campus, Lyndon Campus

Notes: *This course is offered every odd-numbered fall (Lyndon).*

POS 2050 - International Economics & Politics

Credit(s): 3

This course examines fundamental contemporary global issues such as conflict and peace, resource and human crisis conditions, mechanisms of trade and transnational investment, shifting power balances, and problems of development. Designed to prepare students for further sophisticated investigation of international subjects, the course focuses on tools for analyzing the global vicissitudes that impinge on the lives of all citizens.

Offering Location: Johnson Campus

POS 2110 - State & Local Government

Credit(s): 3

This course provides a study of the principles and problems of American government at the state and local level.

Offering Location: Johnson Campus

POS 2710 - Special Topics in Political Science

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 2000-level not offered in the general Political Science curriculum.

Prerequisites: This course may be repeated with a change of topic.

POS 2810 - Internship in Political Science

Credit(s): 1-12

Students plan and complete an approved internship in consultation with their faculty supervisor.

Offering Location: Johnson Campus

POS 2910 - Independent Study in Political Science

Credit(s): 1-12 (Johnson); 1-3 (Lyndon)

This course allows the student to pursue the exploration of a topic of political science not offered in the regular curriculum, under the tutelage of a department faculty member. An independent study contract must be negotiated with the instructor and filed before registering for this course.

Prerequisites: Permission of instructor.

Restrictions: Sophomore standing (Lyndon)

Offering Location: Johnson Campus, Lyndon Campus

POS 3010 - Survey of Western Political Thought

Credit(s): 3

This course provides an examination of European/Asian views of the citizen, the state, law, justice and the nature and use of power, plus an analysis of modern global doctrines on communism, democracy, fascism, internationalism, liberalism and Nazism.

Offering Location: Johnson Campus

POS 3025 - Research Design & Analysis

Credit(s): 3

Students gain basic knowledge and understanding of the theory and methods of social science research with a focus on political science. Students will learn the strengths and weaknesses of the scientific techniques that are used to assess political behavior and therefore improve their abilities to interpret policies.

Prerequisites: MAT 1080 or successful completion of Quantitative Reasoning Assessment

Offering Location: Johnson Campus

POS 3040 - The Politics of Gender

Credit(s): 3

This course explores the politics and philosophies of gender relationships. It examines the dynamic of power and the political forces that shape the relationships between men and women, women and women, and men and men. Of particular interest are the social institutions and activities that shape and express power relationships in everyday life.

Offering Location: Johnson Campus

POS 3050 - Environmental Ethics & Politics

Credit(s): 3

This course explores the relationships between our natural and human environments. How do our socio-economic concerns affect our ethical relationships within this total environment? How is our ethical understanding of ourselves related to our connection with nature? The class will consider a variety of issues and problems that seek to understand ecological limits and the moral obligations that need to be confronted.

Offering Location: Johnson Campus

POS 3060 - Vermont Politics

Credit(s): 3

This course examines the electoral and political party structures, partisan activities and significant interest groups affecting contemporary political division within Vermont. The instruction provides lectures, student participation in individual research projects, and guest speakers involved in the state's political process.

Restrictions: Sophomore standing or permission of instructor (Lyndon).

Offering Location: Johnson Campus, Lyndon Campus

Notes: *There may be a course fee. This course is offered every spring (Lyndon)*

POS 3070 - Terrorism, Religion & the Nation-State

Credit(s): 3

This course provides an overview of the histories and theologies of Judaism, Christianity, Islam and Hinduism - the four religions in the territories where terrorism is a major force and where regions have been divided into a myriad of artificial states. Students will explore how these regions are reacting to Western influences (democracy, capitalism, modernization) and discuss the different interpretations of "terrorism." Is terrorism a tool and a weapon of war on par with guns and fighter-bombers? Is it anarchism? Nihilism? Cold-blooded murder? Is it a romantic throwback to some romantic notion of what some peoples' ancestors used to do? What exactly? We will debate these issues and more.

Offering Location: Johnson Campus

POS 3130 - Church & State Separation: The First Amendment to the U.S. Constitution

Credit(s): 3

This course examines the history, theory and application of the role of religion in forming and maintaining social values and governmental structure. The course focuses primarily on the American model of separation of church and state as the primary device that has both maintained a high sense of ethical values in public life and a high respect for divergent religious beliefs and practices. The study focuses on the growth and interrelationship among religious beliefs, ethical ideals and governmental structure as seen in western history and political philosophy leading to the creating and later interpretation of the First Amendment to the American Constitution. Student work from both primary and secondary sources including Plato, Sophocles, Aristotle, Moses, Jesus Christ, Augustine, Mohammad, Thomas Aquinas, Emanuel Kant, Friedrich Nietzsche, John Stuart Mill, John Rawls, Martin Luther King, Jr. and Teillard de Chardin, among others. Students will examine and test theories relative to the separation of church and state.

Offering Location: Johnson Campus

POS 3150 - Campaigns & Elections

Credit(s): 3

Students examine activities of critical importance to elected officials and gain an understanding of the choices that face such officials in their dealings with the electorate. The way voters choose among candidates, factors that influence voter turnout, and campaign strategy and tactics are among topics discussed. Polls and surveys and the raising and spending of campaign funds also receive attention. Students are encouraged to work for the candidate of their choice.

Offering Location: Johnson Campus

POS 3170 - U.S. Constitutional Law

Credit(s): 3

This course examines constitutional issues through the study of Supreme Court decisions. The course explores the origin of judicial review in *Marbury vs. Madison* as well as current issues involving the liberties of citizens.

Offering Location: Johnson Campus, Lyndon Campus

Notes: *This course is offered every odd-numbered spring (Lyndon).*

POS 3180 - Politics in Film

Credit(s): 3

The course introduces students to the role films can have in representing and shaping politics. Because films can capture and sometimes shape political knowledge, the course examines the nature of propaganda. Moreover, the class uses films as a vehicle for learning fundamental political concepts. The course is designed to enhance student's ability to interpret the political content of mass media.

Offering Location: Johnson Campus

POS 3210 - Canadian Politics

Credit(s): 3

The course surveys Canadian history as a means of assessing Canadian political culture. The class also reviews Canadian political institutions, federalism and provinces, political parties, the Canadian constitution, the importance of ethnicity, aboriginal issues, and Canadian foreign policy. The goal of the course is to outline and investigate the contours of political behavior in Canada.

Offering Location: Johnson Campus, Lyndon Campus

POS 3220 - Genocide: Inhumanity Across the Ages

Credit(s): 3

This course will study the history and geographical background of physical and cultural genocide as well as the political, economic and religious motivations for genocide.

Offering Location: Johnson Campus

POS 3270 - Revolutions, Transformed Economics & Social Change

Credit(s): 3

From 1688 to 1978 the world was wracked by a series of violent upheavals referred to as revolutions that affect our lives on a daily basis on every continent on the globe. From the English revolution in 1688, through the American in 1776 and the French in 1789, the Bolshevik in 1917, to that of Iran in 1978, the Christian and Muslim fundamentalist revolutionary movements in the 21st century. What were/what are these movements? What factors play a role in their development? What are their religious, national, psychological, economic and social consequences? Who leads and participates in them, who wins and who loses, and why? We shall study all.

Recommended: At least one political science or history course

Offering Location: Johnson Campus

POS 3430 - Government and Politics in Russia and Post-Soviet States

Credit(s): 3

[LGGE6] This course examines the Russian and Central Asian political legacies, the experience of Soviet rule from 1917 until 1991. The course explores in-depth current domestic and foreign politics in the Russian Federation and several other post-Soviet states. The course focuses primarily on the political development in the post-Soviet period.

Prerequisites: This course is offered every even-numbered Fall semester.

POS 3710 - Special Topics in Political Science

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 3000-level not offered in the general Political Science curriculum.

Prerequisites: This course may be repeated with a change of topic.

POS 4010 - American Foreign Policy

Credit(s): 3

Students analyze the forces behind the formulation of American foreign policy and its objectives and strategies since 1776. Particular emphasis is given to the period from World War II to the present.

Offering Location: Johnson Campus

POS 4020 - International Relations

Credit(s): 3

This seminar provides an investigation of the political and economic elements of national power, transnational interests and international organizations.

Offering Location: Johnson Campus

POS 4710 - Topics in Political Science

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 4000-level not offered in the general Political Science curriculum.

Prerequisites: This course may be repeated with a change of topic.

POS 4730 - Senior Seminar in Political Science

Credit(s): 3

Senior-level students choose a major topic for collective investigation, complete a common core of reading and contribute

individual research presentations on aspects of that topic.

Restrictions: Senior Standing

Offering Location: Johnson Campus

POS 4740 - Senior Thesis

Credit(s): 3

Senior Thesis is about bringing together all of the pieces of what students have learned in their coursework to complete a senior thesis, i.e. their own, rigorous research. We will begin by stepping back and examining "The Big Picture". What is "The Big Picture"? For this class, it means framing "politics" and "science" within the great human experience of which we are all a part. We will investigate and probe broad questions about the nature and philosophy of science. The central focus in terms of scholastic product is the senior thesis. We will devote much of our time to the processes that must be completed for students to finish this work. This will include focusing on writing and citation skills and honing our understanding of the research process. At times, we will examine and question literature in a seminar fashion.

Restrictions: Junior standing and Permission.

Offering Location: Johnson Campus

POS 4810 - Internship in Political Science

Credit(s): 1-12 (Johnson); 1-6 (Lyndon)

This course places students in a work site that will provide practical, career-oriented experience under the supervision of an employer and a faculty member. Internships emphasize the acquisition of job-related skills and the role of professionals in the discipline.

Restrictions: Junior standing and permission of instructor (Lyndon).

Offering Location: Johnson Campus, Lyndon Campus

POS 4910 - Independent Study in Political Science

Credit(s): 1-12 (Johnson); 1-3 (Lyndon)

This course allows the student to pursue an advanced, in-depth study of a topic in political science not offered in the regular curriculum, under the tutelage of a department faculty member. An independent-study contract must be negotiated with the instructor and filed before registering for this course.

Prerequisites: Permission of instructor.

Restrictions: Junior standing (Lyndon)

Offering Location: Johnson Campus, Lyndon Campus

Psychology

Psychology

PSY 1010 - Introduction to Psychology

Credit(s): 3

This course introduces students to the major concepts, issues, research and scientific methods upon which our knowledge of human thought and behavior is built. Geared for both majors and non-majors, this course provides the basis for further study of psychology as well as a sense of how psychological issues are involved in a variety of academic fields and students' personal lives. Course content is selected from topics including research methods, neurophysiology, states of consciousness, learning, memory, theories of personality, motivation, social psychology, and abnormal behavior.

Offering Location: Johnson Campus, Lyndon Campus, NVU Online

PSY 1025 - First Year Seminar: UP with New Students

Credit(s): 3

This course introduces students to the college's intellectual and social environment and to the issues of applied psychology and human services. A variety of approaches, including the use of an award winning documentary series on human development, are used to strengthen higher-level thinking, enhance academic skills and provide information that leads to success in college.

Corequisites: PSY 2070

Restrictions: First-year students only.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

PSY 1035 - The Psychology Major

Credit(s): 1

This course is designed to introduce students to the diverse discipline of psychology. Students will develop basic skills needed for the psychology major, explore the subfields of psychology, investigate career options, and be introduced to advising in the psychology program. Activities may include guest speakers, interviews, and site visits.

Restrictions: Psychology Majors only

Offering Location: Johnson Campus

PSY 1040 - Human Interaction

Credit(s): 3

This course is an experiential course designed to enhance self-knowledge and personal growth, as well as develop increased skill with interpersonal communication and group process. Students are asked to examine their personal values, formative experiences, interactional style, and role in the group. Students articulate their strengths and weaknesses, and strive for individual goals, while also evaluating the appropriateness of career choices. This course is required of and limited to human services and psychology majors, and is open to second-semester freshmen.

Prerequisites: The prerequisite is PSY 1010 and PSY 2070 or concurrent enrollment.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

PSY 1130 - Introduction to Substance Abuse

Credit(s): 3

This course is designed to help students become aware of their attitudes about substance abuse, gain theoretical knowledge, and understand the dynamics of abuse patterns. Treatment methods for substance abusers are discussed.

PSY 1710 - Special Topics in Psychology

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 1000-level not offered in the general Psychology and Human Services curriculum.

Prerequisites: This course may be repeated with a change of topic.

PSY 2040 - Social Psychology

Credit(s): 3

This course presents a systematic study of how people think about, influence and relate to one another. Course content includes topics such as attitudes, norms, aggression, conformity, attraction, self-justification, prejudice, group processes, interpersonal interaction and communication, altruism, conflict resolution, persuasion and impression formation. There is a broad opportunity for application of these concepts to understanding the self and interpersonal relationships, as well as to social issues of importance, such as war and peace, consumer behavior and political strategy.

Recommended: Sophomore standing

Offering Location: Johnson Campus

PSY 2070 - Developmental Psychology

Credit(s): 3

This course offers an overview of the human developmental process throughout the life cycle, which includes the social, moral, emotional, cultural, physical, and cognitive aspects of growth. Students are encouraged to explore their own development. The theories of Erikson, Freud, Kohlberg, Piaget, and others are integrated into the life-span overview.

Recommended: PSY 1010

Offering Location: Johnson Campus, Lyndon Campus

PSY 2075 - Peer-to-Peer Training

Credit(s): 1

This course focuses on training students to facilitate peer-education programs on campus. Topics for the education modules

include substance-use health effects, how to live a healthier life, stress-coping skills, and how to get involved in activities on campus. Students will present modules to first-year students and student athletes. This course may be repeated up to three times for credit.

Prerequisites: This course is offered every fall.

PSY 2270 - Introduction to Human Services

Credit(s): 3

This course is designed to introduce sophomore level students to the basic skills and concepts of the human services profession. Students gain knowledge about specific populations and social problems as well as familiarity with the human services interventions and agencies that serve these individuals.

Prerequisites: PSY 2410 (or taken concurrently).

Restrictions: Sophomore standing.

Offering Location: Lyndon Campus

Notes: *Required of and limited to Applied Psychology and Human Services majors. There is a course fee.*

PSY 2410 - Research Methods in Psychology

Credit(s): 3

This course discusses quantitative methods to research human behavior. Topics include the philosophy of science, observation, surveys, field research, correlational, experimental and quasi-experimental designs, hypothesis testing, experimenter bias, and research ethics. Individual and group research projects are included.

Prerequisites: PSY 1010

Recommended: MAT 2021

Offering Location: Johnson Campus, Lyndon Campus

PSY 2710 - Special Topics in Psychology

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 2000-level not offered in the general Psychology and Human Services curriculum.

Prerequisites: This course may be repeated with a change of topic.

PSY 2810 - Internship in Psychology

Credit(s): 1-12

Students plan and complete an approved internship in consultation with their faculty supervisor.

Prerequisites: Permission of internship coordinator

Offering Location: Johnson Campus

PSY 2811 - Field Work

Credit(s): 3

This course offers the student an exploratory work experience in a public or private work environment supervised by an on-site professional. The field placement allows students to assess their academic and career interest in human services and psychology, to learn by doing, and to integrate theory and practice. This course is required of and limited to majors in Applied Psychology and Human Services.

Prerequisites: PSY 1040 and a 2.00 GPA.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

PSY 2812 - Field Work Seminar

Credit(s): 3

This course provides a forum for students to discuss and process their field experiences, examine their career interests, and explore current issues pertinent to becoming professionals. Students study ethics, and apply and integrate theoretical knowledge.

Prerequisites: PSY 1040, PSY 2410 (or taken concurrently), and a 2.00 GPA.

Offering Location: Lyndon Campus

Notes: *Required of and limited to Applied Psychology & Human Services majors.*

PSY 2910 - Independent Study in Psychology

Credit(s): 1-12

Students plan and complete an approved independent study in consultation with their faculty supervisor.

Offering Location: Johnson Campus

PSY 3010 - Theories of Personality

Credit(s): 3

This course focuses on significant theories, that describe the development, structure, and dynamics of personality, with an emphasis on pertinent research findings. Approaches such as psychodynamic, behavioral, social learning, biosociological, humanistic, cognitive, and existential are included. Particular emphasis is placed on practical applications of personality concepts for understanding self and others.

Prerequisites: PSY 1010 and sophomore standing, or permission of instructor.

Offering Location: Johnson Campus, Lyndon Campus

PSY 3025 - History of Modern Psychology

Credit(s): 3

This course traces the development of modern psychology as a scientific discipline. Students learn about the main themes, events, and the important people who contributed significantly to the foundation of modern psychology as a scientific discipline.

Prerequisites: 3 credits in PSY and sophomore standing, or permission of instructor.

Offering Location: Johnson Campus, Lyndon Campus

PSY 3035 - Social Stigma

Credit(s): 3

This course focuses on social stigma from a psychological perspective. Stigma is examined from the perspectives of both the perpetrators and targets of stereotyping, prejudice, and discrimination. Topics include the origins and functions of stigma, the expression of prejudice and discrimination in their various forms, stigma management and coping with stigma, and intervention strategies for reduction of prejudice.

Prerequisites: PSY 1010

Restrictions: Junior standing.

Offering Location: Johnson Campus

PSY 3040 - Cognitive Psychology

Credit(s): 3

This course provides an in-depth look into the research on cognitive psychology. Topics including perception, attention, mental representation, memory, symbolic processes, and thinking are dealt with from various viewpoints. Students participate in conducting original experiments on human cognition.

Prerequisites: PSY 1010 and sophomore standing.

Offering Location: Lyndon Campus

PSY 3045 - Social Development

Credit(s): 3

This course provides in-depth examination of the theory and research concerning interpersonal development in humans from infancy through adulthood. The relationships between cognition, language, and social development are highlighted.

Prerequisites: PSY 1010

Restrictions: Junior standing

Offering Location: Johnson Campus

PSY 3050 - Child Development

Credit(s): 3

This course takes a topical approach in examining the biophysical, cognitive, psychosocial, and ecological changes that occur from infancy to adolescence. The instruction stresses the practical implications of current theory and research in developmental psychology and related fields.

Recommended: PSY 2070 or EDU 3020

Restrictions: Sophomore standing or permission.

Offering Location: Lyndon Campus

PSY 3070 - Abnormal Psychology

Credit(s): 3

This course views psychopathology from a biopsychosocial perspective. The focus is on the symptoms, causes and treatment of various forms of psychological disturbances such as mood disorders, anxiety, schizophrenia, and personality disorders, as organized by the DSM IV.

Prerequisites: PSY 1010 and sophomore standing, or permission of instructor.

Offering Location: Johnson Campus, Lyndon Campus

PSY 3080 - Macro Perspectives

Credit(s): 3

This course provides a systemic perspective of the human services field by exploring how organizations and communities function and change. Particular emphasis is placed on developing advocacy and activism skills. The class will partner with a community agency in a service-learning project in order to apply macro skills in practice.

Prerequisites: PSY 2270 and junior standing, or permission.

Recommended: PSY 2811 and PSY 2812.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

PSY 3085 - Contemporary Issues in Social Psychology

Credit(s): 3

This course examines selected research and theories in social psychology and how these are applied to contemporary societal issues. The course will address the role of society and culture in the development of attitudes, roles, self-concept, and behavior. Issues covered may include, but are not limited to, conformity, prejudice, obedience, altruism, aggression, gender differences, and group dynamics.

Prerequisites: Prerequisites are PSY 1010 and PSY 2411, or permission. The course is offered every even-numbered spring.

PSY 3090 - Lifespan Across Cultures

Credit(s): 3

This course explores the study of human development across the lifespan from a cross-cultural perspective and provides students with opportunities to expand their awareness, sensitivity, understanding, and appreciation of similarities and differences in behaviors across diverse cultural settings around the world.

Prerequisites: PSY 2070 and sophomore standing, or instructor permission.

Offering Location: Lyndon Campus

PSY 3110 - Adulthood & Aging (J)

Credit(s): 3

This course takes a life-span approach to exploring the physiological, cognitive and psychosocial changes that take place throughout adulthood. Among topics considered are: transitional expectations of ages and stages, gender-based psychological differences, changing family configurations, work and retirement issues, personality and biological shifts, death and bereavement.

Prerequisites: PSY 1010

Restrictions: Sophomore standng.

Offering Location: Johnson Campus

PSY 3110 - Aging and Older Adulthood (L)

Credit(s): 3

This course explores the biophysiological, cognitive, and psychosocial changes that take place as people age and highlights current theories and research on issues and practical concerns central to aging and older adulthood. Diversity, environmental influences on aging, and applications to everyday life are also emphasized.

Restrictions: Sophomore standing or permission.

Offering Location: Lyndon Campus

PSY 3140 - Play & Its Role in Human Development

Credit(s): 3

This course will explore the role of play in human development, with primary emphasis on the first 12 years. We will examine the following dimensions of play: definition and categories of play; interplay between developmental stages and types of play; benefits of play in enhancing physical, cognitive, social and emotional growth and well-being; consideration of historical, political, cultural and gender issues; uses of play in education and therapy; the adult role in promoting play. Students will understand how to use play in their present or future work in human services/education.

Prerequisites: PSY 2070

Offering Location: Johnson Campus

PSY 3170 - Human Sexuality

Credit(s): 3

This course explores human sexual behavior as it is viewed from biological, psychological, historical, and sociocultural perspectives. Topics may include sexual development from conception to aging, sexual anatomy and physiology, gender issues, sexual orientations, sexually transmitted infections, sexual coercion, childbirth, contraception, sexual arousal, and sexual difficulties.

Restrictions: Sophomore standing or permission.

Offering Location: Lyndon Campus

PSY 3230 - Psychology of Gender (J)

Credit(s): 3

This course explores the psychological aspects of gender, particularly the process of gender socialization in childhood and the psychological significance of gender throughout the lifespan, with a focus on the feelings, attitudes and belief systems inherent in gender roles. The course explores research on both similarities and differences of males and females.

Prerequisites: PSY 1010

Restrictions: Sophomore standing

Offering Location: Johnson Campus

PSY 3230 - Psychology of Gender (L)

Credit(s): 3

This course examines gender roles as they currently exist in this society with a focus on the feelings, attitudes and belief systems inherent in them. Research on sex differences as well as mental-health implications of gender roles are considered. The psychological effects of both stereotyped and changing roles on women and men are discussed.

Prerequisites: The prerequisite is sophomore standing.

Offering Location: Lyndon Campus

PSY 3235 - Evolutionary Psychology

Credit(s): 3

This course will explore the evidence for the role of evolution in universal psychological phenomena including emotional expression, aggression, pro-social behavior, sleep and dreaming, jealousy, social dominance, and sex difference.

Prerequisites: PSY 1010

Restrictions: Junior standing.

Offering Location: Johnson Campus

PSY 3250 - Multicultural Psychology

Credit(s): 3

This course studies the effect of culture, subculture and cultural trends on human behavior and human development. This course will extensively examine the impact and relationship of race, religion, sex and other cultural factors on the psychological development of women and men.

Prerequisites: PSY 1010

Offering Location: Johnson Campus

PSY 3260 - Adolescent Development

Credit(s): 3

This course takes a topical approach to the understanding of the developmental processes of adolescence. In addition to understanding various theories that attempt to explain adolescent research, a main objective of the course is to be able to evaluate critically the theories and research findings concerning adolescent development. When appropriate, films, books, and guest speakers are incorporated to provide depth on topics under consideration.

Recommended: PSY 2070 or EDU 3020

Restrictions: Sophomore standing or permission.

Offering Location: Lyndon Campus

PSY 3280 - Interventions for Health-Behavior Change

Credit(s): 3

This course provides students with a comprehensive understanding of the key issues, theories, and models in health psychology. Evidenced-based interventions for health behavior change will be emphasized.

Prerequisites: The prerequisites are PSY 1010 and junior standing, or permission. This course is offered every summer.

PSY 3325 - Mindfulness for Wellbeing

Credit(s): 3

This experiential course teaches students the self-care mindfulness practice of cultivating the capacity to be fully present in each moment while simultaneously recognizing one's own thoughts and sensations. The course provides clinicians with the tools to utilize mindfulness interventions with clients.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

PSY 3330 - Psychology of Addictions

Credit(s): 3

This course is an introduction to problems associated with addiction. It is targeted at problems associated with substance abuse but also addresses issues associated with other compulsive behaviors, such as eating disorders and addictive sexual behavior.

Prerequisites: PSY 1010

Offering Location: Johnson Campus

PSY 3345 - The Psychology of Groups

Credit(s): 3

Students will learn about group dynamics and processes, while exploring and practicing interpersonal communication. Students will observe how individuals are affected by group membership, with a particular focus on roles individuals serve in groups and how such roles shape an individual's identity, behavior, and perception. An introduction to the therapeutic, ethical, and professional issues of groups as a therapeutic intervention will also be explored.

Restrictions: Junior Standing or OER Major with Sophomore Standing

Offering Location: Johnson Campus

PSY 3710 - Special Topics in Psychology

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 3000-level not offered in the general Psychology and Human Services curriculum.

Prerequisites: This course may be repeated with a change of topic.

PSY 3811 - Professional Experience

Credit(s): 1-3

This experiential course includes supervised educational and professional activity related to psychology or human services. This course may be repeated when no duplication of experience, or role in the experience, results (e.g. acting as a student leader/facilitator). There will be differential course requirements based on the number of credits offered.

Prerequisites: The prerequisite is permission. There may be a course fee.

PSY 4010 - Biological Psychology

Credit(s): 3

This course offers a study of the physiological mechanisms underlying consciousness and behavior. The instruction emphasizes current research in neurological, bio-chemical, and sensory mechanisms as they influence learning, motivation, perception, consciousness, and behavioral processes.

Prerequisites: Nine credits in PSY, or BIO 1210 and BIO 1211; and junior standing, or permission.

Offering Location: Johnson Campus, Lyndon Campus

PSY 4020 - Psychological Testing

Credit(s): 3

This course provides a practical understanding of the principles of psychological and educational measurement. The course surveys standardized tests, their function, selection, administration, statistical summarization, interpretation, and their use in social, educational, industrial, and counseling settings.

Prerequisites: PSY 1010 and junior standing.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

PSY 4035 - Forensic Psychology

Credit(s): 3

This course examines the interactions and relationships of psychology and the legal system. We will explore the problems that confront the legal system from the psychological perspective. We will review what the science of forensic psychology contributes to the understanding of the insanity plea, murder, sex offences, child abuse, domestic violence, criminal profiling, and legal decisions. We will also discuss criminal risk assessments. The course will integrate the concepts, methods, and theories that support the field of forensic psychology.

Offering Location: Johnson Campus

PSY 4090 - Modern Controversies in Psychology

Credit(s): 3

Through primary source readings, this course explores controversial issues and debates within psychology. Topics covered include the use of animals in research, measuring intelligence, mental illness as a cultural construction, the effectiveness of psychotherapy and opposing research findings on the effects of television, corporal punishment and divorce on children's psychological health.

Prerequisites: PSY 1010

Restrictions: Junior standing or permission.

Offering Location: Johnson Campus

PSY 4110 - Creative Therapies

Credit(s): 3

This course provides an introduction to the theory and practice of a number of the creative therapies which may include dance/movement, art, music, poetry, or drama. The course addresses application of the creative therapies to the field of psychology.

Prerequisites: Complete 9 credits in PSY.

Restrictions: Junior standing

Offering Location: Johnson Campus, Lyndon Campus

PSY 4140 - Women in Psychology

Credit(s): 3

This course presents an in-depth exploration of attitudes toward women in psychology and women's roles in the profession. The research methods used in building theoretical models are examined for their impact on women. Contributions of women psychologists are emphasized. Emphasis is on discussing the writings of psychological theorists from psychoanalysts to feminists, and evaluating their ideas about women.

Prerequisites: The prerequisites are nine credits in PSY and junior standing.

PSY 4145 - Responding to Psychological Trauma

Credit(s): 3

This course offers an integration of contemporary theories, empirical research, and evidence-based practices for the assessment and treatment of psychological trauma in adults and children. Students will acquire knowledge and skills in Psychological First Aid (PFA) and other crisis intervention strategies.

Prerequisites: PSY 1010 and junior standing, or instructor permission.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

PSY 4150 - Understanding and Working with At-Risk Families

Credit(s): 3

This course offers an integration of contemporary theories and evidence-based practice approaches in working with families with special emphasis on oppressed and vulnerable populations.

Restrictions: Junior standing or instructor permission.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

PSY 4151 - Counseling Theory & Practice

Credit(s): 3

This course provides an overview of the counseling process. Students acquire an understanding of and practice of basic effective helping skills and ethical issues. Instruction also focuses on the assumptions and techniques of a variety of theoretical approaches to counseling.

Prerequisites: PSY 1010

Restrictions: Junior standing

Offering Location: Johnson Campus, Lyndon Campus

PSY 4160 - Counseling with Groups

Credit(s): 3

This course covers group counseling theories, methods, and skills. Group leadership skills are developed, practiced, and refined through in-class experiences that focus on live group processes.

Prerequisites: The prerequisite is PSY 4151. There is a course fee. This course is offered every fall.

PSY 4170 - Developmental Psychopathology

Credit(s): 3

This course introduces students to the DSM diagnostic criteria related to a variety of psychological disorders which occur in childhood and adolescence. Students will identify the biopsychosocial factors associated with these disturbances, as well as associated strategies for assessment, intervention, treatment, and prevention.

Prerequisites: PSY 3050 or PSY 3260, and PSY 3070.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

PSY 4180 - Exploring Race & Challenging Racism in the US

Credit(s): 3

This course explores how "race" is socially constructed in the U.S., how this social construction manifests as racism, and how we can challenge racism.

Restrictions: Junior standing or instructor permission.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

PSY 4215 - Substance-Abuse Treatment

Credit(s): 3

This course will explore assessment of substance abuse, therapeutic approaches, and supportive aftercare for those dealing with drug and/or alcohol addiction.

Prerequisites: The prerequisite is PSY 1130 and junior standing. There is a course fee. This course is offered every odd numbered spring.

PSY 4250 - Animal Behavior & Psychology

Credit(s): 3

This course will explore scientific evidence for behaviors and psychological processes present in nonhuman animals including elephants, dolphins, dogs, and nonhuman primates. Evidence is reviewed regarding whether animals are socially aware, have specific personality characteristics, create and sustain cultures, can understand humans, can differentiate self from others, use tools, have object permanence, use imitation, distinguish friends from foes, and can think about thinking (metacognition) - as well as how psychological scientists measure and interpret such effects.

Prerequisites: PSY 1010

Restrictions: Junior standing.

Offering Location: Johnson Campus

PSY 4330 - Introduction to Clinical Skills

Credit(s): 3

This course will integrate empirical and best practice aspects of therapeutic interventions used with individuals diagnosed with serious psychiatric disorders. Students will explore the therapeutic relationship, core clinical intervention, and treatment modalities. This course is purposefully intensive, thus students will be required to demonstrate high levels of academic and personal commitment in their learning and application of clinical skills, via out-of-class readings and assignments, in-class skills practice, and role plays.

Prerequisites: PSY 1010

Restrictions: Junior or senior standing

Offering Location: Johnson Campus

PSY 4340 - Fundamentals of Community Mental Health

Credit(s): 3

This course examines the historical, consumer and family perspectives of Vermont's community mental health system. It provides an overview of several treatment models of community mental health including the Recovery Model, Integrated Treatment and Person-centered Treatment Planning. The course also explores a variety of relevant ethical issues including confidentiality, mandated reporting and dual relationships.

Prerequisites: PSY 1010

Restrictions: Junior or senior standing

Offering Location: Johnson Campus

PSY 4710 - Special Topics in Psychology

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 4000-level not offered in the general Psychology and Human Services curriculum.

Prerequisites: This course may be repeated with a change of topic.

PSY 4720 - Senior Seminar

Credit(s): 3

This capstone course challenges students to integrate and extend prior knowledge as well as skills in analytical thinking, writing, and oral presentation. Instruction focuses on evaluating theory and research related to a chosen topic.

Prerequisites: PSY 2410 and successful completion of the Writing Competency and Information Literacy graduation standards.

Restrictions: Limited to seniors fully accepted into the Applied Psychology & Human Services major.

Offering Location: Lyndon Campus

PSY 4760 - Topical Seminar in Psychology

Credit(s): 3

Primarily for students concentrating in psychology, this course explores significant areas in psychology with topics varying from year to year. The seminar emphasizes presentation and discussion.

Prerequisites: PSY 1010

Recommended: 2000- and 3000-level psychology courses

Offering Location: Johnson Campus

PSY 4770 - Senior Seminar in Psychology

Credit(s): 1

This course is a capstone experience for seniors and must be taken in conjunction with three credits of PSY 4810, Internship in Psychology, which must be arranged the semester prior to when it is to take place. Students will process and discuss their learning, as well as explore current topical issues in psychology.

Prerequisites: PSY 1010 and PSY 3345; or permission of instructor.

Restrictions: senior standing

Offering Location: Johnson Campus

PSY 4810 - Internship in Psychology

Credit(s): 1-12

Students plan and complete an approved internship in consultation with their faculty supervisor.

Restrictions: Permission of internship coordinator

Offering Location: Johnson Campus

PSY 4820 - Internship

Credit(s): 6 to 9

This course is designed as a culminating experience in a setting directly related to the student's preparation for graduate studies or employment upon graduation. Six credits are required for graduation.

Prerequisites: The prerequisites are PSY 2811, PSY 2812, a 2.00 GPA and acceptance into the major.

PSY 4900 - Independent Study

Credit(s): 1 to 6

This course provides for the individual exploration of specific topics in consultation with a department faculty member. An independent study contract must be negotiated with a faculty member before registration.

PSY 4910 - Independent Study in Psychology

Credit(s): 1-12

Students plan and complete an approved independent study in consultation with their faculty supervisor.

Offering Location: Johnson Campus

PSY 4921 - Senior Research I

Credit(s): 3

This is the first of a two-course sequence in conducting psychological research. After a review of the literature relevant to a contemporary psychological theory or model, the student develops a problem statement, selects a methodology, and writes a proposal for a research project that will be completed the following semester in PSY 4922 Research Practicum. Group discussions among students developing proposals and practicum students who are conducting research enables beginning students to clarify problem statements and develop appropriate research strategies. This course is required of majors in the Psychology concentration and is limited to majors fully accepted into the psychology major.

Prerequisites: The prerequisites are PSY 2411, MAT 2021, and senior standing.

PSY 4922 - Senior Research II

Credit(s): 3

In this practicum students implement research proposals developed in PSY 4921 Senior Research I. They gather, analyze, and interpret data, write a research report, and present their findings for discussion and evaluation. The course is required of majors in the psychology concentration and is limited to majors fully accepted into the psychology major.

Prerequisites: The prerequisites are PSY 4921 and senior standing.

Russian

Russian

RUS 1011 - Russian I

Credit(s): 3

This course presents basic conversational patterns and grammatical structures and establishes a foundation for speaking, readings and writing the language. The instruction introduces the Cyrillic alphabet and readings, which are scaled to the beginner's ability in order to introduce the student to the Russian culture. The course is designed for students who have little or no previous Russian.

Offering Location: Lyndon Campus

RUS 1012 - Russian II

Credit(s): 3

[LGCC4] This course further develops basic conversational patterns and grammatical structures and increases facility in reading and writing the language. Readings are scaled to a more advanced ability level while expanding the student's knowledge of the Russian culture. The course is designed for students who have knowledge equivalent to successful completion of Russian I.

RUS 1710 - Special Topics in Russian

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 1000-level not offered in the general Russian curriculum.

Prerequisites: This course may be repeated with a change of topic.

RUS 2010 - Mystery of Russian Soul and Culture

Credit(s): 3

This course introduces students to Russian culture and history from pre-Christian times to the present, as seen through literary texts, music, film, visual art, and historical works. All lectures and written materials are in English. No prior knowledge of Russian is necessary.

Offering Location: Lyndon Campus

RUS 2710 - Special Topics in Russian

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 2000-level not offered in the general Russian curriculum.

Prerequisites: This course may be repeated with a change of topic.

RUS 3710 - Special Topics in Russian

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 3000-level not offered in the general Russian curriculum.

Prerequisites: This course may be repeated with a change of topic.

RUS 4710 - Special Topics in Russian

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 4000-level not offered in the general Russian curriculum.

Prerequisites: This course may be repeated with a change of topic.

Science

Science

SCI 1000 - First-Year Seminar in Science and Sustainability

Credit(s): 1

This course introduces first-year students to critical issues of science and sustainability including the development, maintenance, and conservation of our natural resources, our sources of renewable energy, and biodiversity.

Prerequisites: This course is offered every spring.

SCI 1030 - The Life, Earth, and Physical Sciences

Credit(s): 3

[LGNR7] This course is designed to acquaint students with the nature of science. Through discussion, lecture, and activities, students will develop the ability to observe phenomena critically, and to formulate and communicate ideas that are testable and falsifiable. They will learn about the fundamental nature, interaction, and organization of matter and will practice designing experiments, collecting data, and analyzing results through active problem solving and participation in a research project. The limitations of science as well as the relationship between science and society will be considered.

Prerequisites: The prerequisite is math competency. There is a course fee. This course is offered every semester.

SCI 1070 - Food for Thought

Credit(s): 3

This course addresses food production systems from biological, ecological, nutritional, and historical perspectives. Students will consider the environmental impacts and sustainability of food production using an ecosystem models approach. The course

demonstrates to students the role of dietary choices in building more sustainable food systems and healthier populations, and teaches students to draw connections between their own food choices and environmental impacts on all scales.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

SCI 1710 - Special Topics in Science

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 1000-level not offered in the general Science curriculum.

Prerequisites: This course may be repeated with a change of topic.

SCI 2220 - Current Topics in Science

Credit(s): 1

A number of current environmental topics are explored in a seminar setting with a presentation by a speaker or panel followed by time for discussion. Presenters will be researchers or practitioners in environmental science. Students will keep a journal of all presentations.

Offering Location: Johnson Campus

SCI 2270 - Student Knowledge Improvement and Leadership Learning Seminar (SKILLS)

Credit(s): 1

The Student Knowledge Improvement and Leadership Learning Seminar (SKILLS) will provide opportunities to cultivate improvement in the following areas: note-taking, test-taking, oral presentation, critical reading of scientific literature, laboratory techniques, research methods, writing skills, mathematics, time management, financial management, grant proposal preparation, and preparation for participation in conferences. Assistance will also be provided for the identification of internship opportunities, future employment, developing applications to see advanced degrees, interviewing skills and development of a personal resume.

Offering Location: Johnson Campus

SCI 2310 - Physical Science in the Classroom

Credit(s): 4

This course provides an introduction to the nature and philosophy of science and an overview of chemistry, physics, astronomy, and cosmology within the context of the elementary classroom. Students consider rules and limitations of science, and how to create simple experiments that are consistent with best scientific practice. Specific topics include, but are not limited to, the nature of matter, atomic interactions, and conceptual nuclear physics and relativity.

Prerequisites: This course is limited to Elementary Education majors only. There is a course fee. This course is offered every semester.

SCI 2410 - Foundations of Research

Credit(s): 3

This course is an interdisciplinary course exploring fundamental concepts critical to the research process, including the critical appraisal, reading, interpretation, and application of current research as well as developing and conducting novel research. Topics include, but are not limited to, problem finding, formulation of a research question, research methodology and design, data collection, statistical analyses, and interpretation of results.

Recommended: MAT 2021

Offering Location: Johnson Campus

SCI 2710 - Special Topics in Science

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 2000-level not offered in the general Science curriculum.

Prerequisites: This course may be repeated with a change of topic.

SCI 2910 - Independent Study in Science

Credit(s): 1-12

Students plan and complete an approved independent study in consultation with their faculty supervisor.

Offering Location: Johnson Campus

SCI 3710 - Special Topics in Science

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 3000-level not offered in the general Science curriculum.

Prerequisites: This course may be repeated with a change of topic.

SCI 4010 - History of Science

Credit(s): 4

[LGPP5] This course covers the foundations and growth of scientific thought and achievements from antiquity to the present day. The instruction emphasizes the logic of science, scientific concepts, scientific explanation, and the development of these notions through history. It also offers discussions on scientific revolutions and critical points in human thinking in relation to natural phenomena from Aristotle to Einstein.

Prerequisites: The prerequisite is a minimum of two undergraduate courses in Natural Sciences, or permission. This course is offered every odd-numbered fall.

SCI 4110 - History of Agriculture

Credit(s): 4

[LGPP5] This course examines the development of agricultural systems through time as an essential link to develop sustainable farms for the future. Topics include the geographical and cultural origins of domesticated plants and animals, the tools and mechanization of agriculture, the commoditization of agricultural products, and the relationships among culture, geography and diet in the past and present. Students will learn to conduct historical research by methods including oral histories.

Prerequisites: The prerequisite is junior or senior class standing, or permission. There is a course fee. This course is offered every odd-numbered fall.

SCI 4610 - Senior Seminar

Credit(s): 1

Readings from scholarly journals and the popular media are used to stimulate discussion of current issues in science and sustainability. Reading materials are selected to facilitate synthesis of ideas across the curriculum. Students will also discuss and defend their capstone projects.

Prerequisites: The prerequisite is senior standing or permission. This course is offered every spring.

SCI 4710 - Special Topics in Science

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 4000-level not offered in the general Science curriculum.

Prerequisites: This course may be repeated with a change of topic.

SCI 4810 - Internship in Environmental Science

Credit(s): 3 to 4

This internship is available for students who meet the departmental criteria for doing an internship. It is offered under supervision at an approved facility. The student is required to submit a written report of his or her work at the conclusion of the internship. Interested students should contact the department chairperson. The internship is restricted to juniors and seniors and does not count for required upper-level credit.

SCI 4900 - Research in Science

Credit(s): 1 to 4

This course presents the opportunity for detailed study of an original problem chosen in conjunction with an appropriate faculty member. Consultation for admission to this course must occur at least one semester prior to enrollment. The study must be approved by the faculty advisor(s), followed by the submission of a literature search, an outline of the problem, and a final written report. The written report will be defended orally before the Science Department during SCI 4610 Senior Seminar. Students concentrating in environmental science are expected to include a field orientation in their research. Weekly meetings with the advisor(s) are required. Course may be repeated for credit.

Prerequisites: Any Science or Sustainability Studies major is eligible, with permission. There is a course fee.

SCI 4910 - Independent Study in Science

Credit(s): 1-12

Students plan and complete an approved independent study in consultation with their faculty supervisor.

Offering Location: Johnson Campus

Social Science

Social Science

SOC 3260 - Social Theory

Credit(s): 3

This course explores the ideas that have inspired behavioral scientists in their studies of human behavior around the world and throughout time. It focuses on an analysis of the development of social and anthropological theories - from August Comte to Jared Diamond - that have been instrumental in the emergence of anthropology and sociology as academic disciplines.

Restrictions: Junior standing.

Offering Location: Johnson Campus

SSC 1020 - Career Choices

Credit(s): 3

This course is designed to help students learn and practice processes of personal exploration and decision-making which will assist them in making satisfying career choices.

Restrictions: Sophomore standing

Offering Location: Johnson Campus

SSC 1030 - Exploring the Social Sciences

Credit(s): 3

[LGSS1] This course provides a survey of the perspectives and methods of the social sciences, examining the following disciplines: anthropology, sociology, psychology, history, economics, political science, and geography. Students will develop their understanding of and skills in critical thinking, cultural literacy, scientific methodology, and written and oral expression in the analysis of human social behavior.

Prerequisites: This course is offered every semester.

SSC 1040 - Introduction to the Social Sciences

Credit(s): 3

This course introduces new college students to the rich intellectual and social environment of college life, with special emphasis on the social sciences. Department faculty will challenge students to adopt higher levels of thinking, helping students to navigate college-wide and departmental requirements. Topics may include college registration, career counseling, peer collaboration, as well as multi-disciplinary approaches to criminal justice and the social sciences.

Offering Location: Lyndon Campus

SSC 1050 - FYS: A Call to Action

Credit(s): 3

Examine major movements of social action from the peace movement to the Civil Rights movement, learn tools to activate your citizenship, and learn the art of deliberative dialogue. Students will participate in a service project and learn about social issues, social activists, local community organizations and initiatives, and ways to make change in our community.

Restrictions: First-year students only

Offering Location: Johnson Campus

SSC 1060 - FYS: All Grown Up? Exploring Your Quarter Life Crisis through Psychology & Literature

Credit(s): 3

The purpose of this course is to explore young adult developmental and psychological change through characters in literature. Using their experiences and stories, we will examine the central forces in adult identity development including separation and affiliation, religion and spirituality, intimacy and sexuality, culture, work and family. Students will be encouraged to examine their own developmental challenges and opportunities by observing parallel psychological processes in literary characters.

Restrictions: First-year students only

Offering Location: Johnson Campus

SSC 1710 - Special Topics in Social Science

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 1000-level not offered in the general Social Science curriculum.

Prerequisites: This course may be repeated with a change of topic.

SSC 2020 - Experience the World

Credit(s): 1

This course explores the history and culture of a specific country. It involves student travel to the country's location for one week under the supervision of a member of the faculty. The experience will include interaction with the country's people and culture, and visits to historical sites and cultural events in and around the major cities. Students will be expected to attend meetings prior

to leaving. This course may be repeated for credit.

Prerequisites: The prerequisite is sophomore standing or permission. This course is offered every year.

SSC 2710 - Special Topics in Social Science

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 2000-level not offered in the general Social Science curriculum.

Prerequisites: This course may be repeated with a change of topic.

SSC 3150 - Sociodrama

Credit(s): 3

This course is a practical and experiential introduction to sociodrama -- the spontaneous role-playing methods for exploring group themes, issues and situations - and to the experiential science of sociometry, both created by Dr. J.L. Moreno. It acquaints participants with the basic techniques to facilitate role-playing and explore methods to increase individual and collective spontaneity and empathy. Discussions focus on applications for education, community action and industry.

Prerequisites: PSY 1010; 2000-level PSY or ANS course or THA 2121.

Offering Location: Johnson Campus

SSC 3399 - Gender Issues in Social Sciences

Credit(s): 3

This course explores issues related to gender constructs and identities from the point of view of the Social Sciences— anthropology, sociology, political science, or history. Students explore and analyze the historical and cultural construction of gender as a concept and an artifact of culture, as well as the implications and consequences of such constructions.

Prerequisites: The prerequisite is sophomore standing.

SSC 3710 - Special Topics in Social Science

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 3000-level not offered in the general Social Science curriculum.

Prerequisites: This course may be repeated with a change of topic.

SSC 3820 - Global Studies Fieldwork

Credit(s): 1 to 6

[LGCC4*] This course is designed to provide students with an opportunity to learn about the history, culture, politics,

philosophy, and economics of foreign countries and activities of international organizations. The course includes preparatory study on campus, as well as travel to a foreign country or to the headquarters of an international organization. The fieldwork will include various forms of interactions with people of a foreign country, study at important historical and cultural sites, political organizations, businesses, academic institutions, and attendance at cultural events. It also may include interactions with elected officials and staff members of international organizations, and research work at their libraries and archives. Preparatory study and travel will be followed by a research paper. This course may be repeated once for credit, with instructor's permission, if new work is undertaken.

Prerequisites: The prerequisite is sophomore standing or permission.

* Students can only use this course to meet the LGCC4 GEU requirement if they have at least three (3) credits of SSC 3820.

SSC 4710 - Special Topics in Social Science

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 4000-level not offered in the general Social Science curriculum.

Prerequisites: This course may be repeated with a change of topic.

SSC 4720 - Senior Thesis/Capstone

Credit(s): 3

This course requires students to identify, design, and implement an original capstone project, along with associated research study related to a specific area of student interest. Working with an appropriate faculty member students will identify problems, review relevant literature, implement their specified research design, analyze data, and present and defend their findings.

Restrictions: Senior standing. Permission. Restricted to Global Studies and Criminal Justice Majors.

Offering Location: Lyndon Campus, NVU Online

Sociology

Sociology

SOC 1010 - Introduction to Sociology (J)

Credit(s): 3

This is a systematic introduction to the study of social behavior and organization. The major conceptual tools of sociology are used to explore the structure, processes and content of social action; to provide insight into the regularity and diversity of human social behavior.

Offering Location: Johnson Campus, NVU Online

SOC 1010 - Introduction to Sociology (L)

Credit(s): 3

This course introduces students to research methods in the social sciences, and focuses on major social issues in American

society from a cross-cultural perspective. Sociology, which is the scientific study of society, deals with the ways individuals, groups, and institutions relate to one another. This course investigates such social issues as social stratification, education, gender, racial and ethnic inequalities, socialization, and deviance.

Offering Location: Lyndon Campus

SOC 1040 - Integrative Health & Professional Series

Credit(s): 1

This is a weekly evening series that brings credentialed, experienced alternative health care professionals to the NVU-Johnson campus for both NVU-Johnson students and the general public to conduct lecture/workshops on the history, nature, practices, technologies, career credentials and evidence for healing disease and creating wellness in people's lives. Students attend these lectures/demonstrations, engage in critical dialog with both the public and other health professionals and critically review text material related to lecture topics. Students complete the course with a final written paper and oral presentation that reflectively evaluates the reading and experiential learning in the lecture/workshop series.

Offering Location: Johnson Campus

SOC 1710 - Special Topics in Sociology

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 1000-level not offered in the general Sociology curriculum.

Prerequisites: This course may be repeated with a change of topic.

SOC 2040 - Race, Ethnicity, Class, and Gender (J)

Credit(s): 3

This course explores the historical and contemporary roots of discrimination on the basis of race, ethnicity, class and gender. Issues such as culture, identity and oppression are examined.

Offering Location: Johnson Campus

SOC 2050 - Drugs, Herbs & Society

Credit(s): 3

This course examines the role that legal and illegal drugs play in our society and the consequences of drug use and drug policy. The course focuses on the sociological nature of issues such as the "war on drugs" and illegal drug trafficking and concepts like addiction and deviance.

Offering Location: Johnson Campus

SOC 2140 - Sociolinguistics

Credit(s): 3

This course surveys the development of linguistics and explores how social factors such as sex, age and class affect speech, understanding and meaning at both the interpersonal and institutional levels.

Offering Location: Johnson Campus

SOC 2150 - Civic Engagement: The Heart of Social Change

Credit(s): 3

This course explores contemporary social issues through academic research and fieldwork in the community. Students examine the history, politics, and economics of contemporary social problems while participating in a social service organization. Students study civic engagement through theory, literature, and media sources, reflect upon how their experiences connect self to society, and examine the power of personal engagement to spur social responsibility.

Offering Location: Johnson Campus

SOC 2420 - Sociology of Globalization

Credit(s): 3

This course examines globalization with a focus on understanding how it impacts individuals and societies and the development of world cultures. Topics may include cross-cultural and sociological perspectives of nations, corporations, societies, and macro and micro theories.

Prerequisites: The prerequisite is sophomore standing. This course is offered every even-numbered fall.

SOC 2710 - Special Topics in Sociology

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 2000-level not offered in the general Sociology curriculum.

Prerequisites: This course may be repeated with a change of topic.

SOC 2810 - Internship in Sociology

Credit(s): 1-12

Students plan and complete an approved internship in consultation with their faculty supervisor.

Offering Location: Johnson Campus

SOC 2910 - Independent Study in Sociology

Credit(s): 1 to 3

This course allows the student to pursue the exploration of a topic of history not offered in the regular curriculum, under the tutelage of a department faculty member. An independent study contract must be negotiated with the instructor and filed before

registering for this course.

Prerequisites: The prerequisites are sophomore standing and permission

SOC 2910 - Independent Study in Sociology (J)

Credit(s): 1-12

Students plan and complete an approved independent study in consultation with their faculty supervisor.

Offering Location: Johnson Campus

SOC 3020 - Environment & Society

Credit(s): 3

This course is designed to demonstrate and analyze, empirically and theoretically, the crisis of the environment at the global, national and local levels. Specific topics include the "toxics crisis," Central America, work, environmental racism, global warming and others; but rather than focus on specific physical aspects of the environment, the course is designed to interpret societal structures and processes that lead to ecological crises. In this sense, students should not feel limited to that subject matter on the syllabus and are encouraged to incorporate their personal interest into the class.

Offering Location: Johnson Campus

SOC 3040 - Social Movement, Culture & Activism

Credit(s): 3

This course introduces students to key issues in studying social movements through exploring a range of contemporary movements -- including the protest cycle of the 1960s, police accountability activism, the women's movement, the LGBTQ movement, the environmental and animal rights movements, the U.S. conservative movement, the global justice movement and Occupy.

Offering Location: Johnson Campus

SOC 3050 - Gender and Society

Credit(s): 3

[LGSS1] This course examines the social construction of femininity and masculinity, providing a broad examination of gender roles, norms, and stereotypes in social institutions and spheres such as the media, education, the economy, families, and culture.

Prerequisites: The prerequisite is sophomore standing. This course is offered every even-numbered spring.

SOC 3050 - Gender and Society (J)

Credit(s): 3

This course explores the impact that sex and gender have on our interpersonal relationships in our everyday life and on the social structure that creates and sustains them.

Offering Location: Johnson Campus

SOC 3060 - Sexuality & Intimacy

Credit(s): 3

This course examines sexual issues of concern to students and emphasizes the role of participants as rational and emotional beings confronting a fundamental human concern: how to manage their sexuality throughout their lifespan, which is certain to experience considerable personal and social change.

Restrictions: Sophomore standing

Offering Location: Johnson Campus

SOC 3080 - Wellness & Alternative Medicine

Credit(s): 3

This course documents the history, nature and scientific basis of wellness and alternative medicine from Era I and the biomedical model, through Era II and mind/body medicine to Era III and non-local medicine. Diverse healing traditions including Native American, Ayurvedic and Chinese medicine are explored. Alternative health care practices including acupuncture, homeopathy and naturopathy are examined. The nature of scientific evidence for the field of psychoneuroimmunology is discussed in addition to the changing nature of the medical treatment environment-new doctor/patient relationships, new protocols for scientific evidence, integrated diagnosis and new ways of conceptualizing health and illness.

Restrictions: Permission of instructor

Offering Location: Johnson Campus

SOC 3130 - Mass Media & Society

Credit(s): 3

This course examines the operation of mass media industries and the political, social and psychological consequences of media culture in our media-saturated society. Television, print, film and popular music are considered to explore the different dimensions of advertising, news and entertainment.

Offering Location: Johnson Campus

SOC 3170 - Power, Politics & Inequality

Credit(s): 3

The course delineates key relations between government, social groups and economic inequality by focusing on the ways in which political, economic and cultural power is distributed, acquired and wielded in our society. The spectrum of political ideologies and the social movements they engender are examined in the context of historical, cross-cultural and contemporary conditions.

Offering Location: Johnson Campus

SOC 3230 - Alternative Medicine, Science & Disease

Credit(s): 3

This course investigates the nature of diverse global health care systems and critically compares claims for healing disease. Students use a sociocultural interdisciplinary lens to examine the language, concepts, theories, practices, technologies and evidence of healthcare models that include allopathic biomedicine, Chinese medicine and Acupuncture, Indian Ayurveda, naturopathy, chiropractic and Native American Healing; to examine mind/body modalities that include meditation, biofeedback, yoga and energetic medical models that include reiki, aromatherapy and homeopathy. Students learn investigative research skills to evaluate the science, the safety and the efficacy of evidence for healing, as well as the cross-cultural communication skills to articulate collective evidence about disease healing.

Prerequisites: SOC 3080

Offering Location: Johnson Campus

SOC 3240 - Nutrition, Food & Society

Credit(s): 3

What foods are considered healthy? Which diets really work? Is eating at McDonalds really bad for me? Why won't other countries buy Genetically Modified Foods? Which fats are good to eat? Is there a difference between high fructose syrup and cane sugar? What does it mean if a food is labeled "organic" or "natural"? What's the big deal about grass-fed versus corn-fed cows? This interdisciplinary course will explore the personal, social and biochemical role of nutrition in individual lives and the economic and political issues underlying food production, food choice and consequences for personal and environmental health. The basic biochemical foundations of nutritional concepts for individual nutrition will be examined including the dietary reference intake (DRI) committee recommendations for the RGA, AI, and UL for the energy yielding nutrients, vitamins and minerals. Mainstream and alternative nutrition theories and current controversies will be explored throughout the semester.

Prerequisites: SOC 1040 or SOC 3080 or Permission of Instructor

Offering Location: Johnson Campus

SOC 3250 - To War and Back

Credit(s): 3

This course is a multi-disciplinary study of recent wars with particular attention paid to the social, political, economic and personal consequences of war. The wars in Vietnam, Iraq and Afghanistan will be the focus of study with particular attention paid to the personal costs and consequences of those wars on the men and women who are the veterans of those conflicts.

Offering Location: Johnson Campus

SOC 3710 - Special Topics in Sociology

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 3000-level not offered in the general Sociology curriculum.

Prerequisites: This course may be repeated with a change of topic.

SOC 4010 - Family Violence

Credit(s): 3

This course explores the nature of family violence through academic study and on-site, community-training workshops with local professionals. Theory and research findings are examined to understand why people batter, sexually abuse and kill within families.

Prerequisites: ANT 1010 or SOC 1010; and permission of instructor

Offering Location: Johnson Campus

SOC 4020 - Sociological Theory

Credit(s): 3

This course focuses on an analysis of the development of sociological thought from the French philosopher Auguste Comte to the present, with particular emphasis on the theoretical contributions that have been instrumental in the emergence of sociology as an academic discipline.

Prerequisites: SOC 1010 or permission of instructor

Offering Location: Johnson Campus

SOC 4030 - Global Health, Diversity & Policy

Credit(s): 3

In this course students analyze the crises of the environment, the economy, biological diversity, human health and social justice at the global level. Students will explore the manners in which social processes and social organizations create conditions that threaten the sustainability of environmental and human health. Although these are interdisciplinary areas of study, in its approach to these questions, the course draws on sociological theory. To provide an appropriate background for our analyses, the readings cover topics ranging from case studies of health conditions in African communities, to land distribution in Central America, to U.S. foreign policy and to corporate control of genetic engineering.

Restrictions: Junior standing or permission of instructor

Offering Location: Johnson Campus

SOC 4710 - Special Topics in Sociology

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 4000-level not offered in the general Sociology curriculum.

Prerequisites: This course may be repeated with a change of topic.

SOC 4730 - Topical Seminar in Sociology

Credit(s): 1-3

This course explores new topics and current developments in the discipline. The seminar emphasizes student research, presentation and discussion.

Offering Location: Johnson Campus

SOC 4740 - Senior Integrative Health Care Seminar

Credit(s): 1

This seminar course is designed to help students identify, integrate and evaluate their interdisciplinary learning in wellness and alternative medicine, to create a life/career plan for ways to integrate that learning into personal self-care and/or professional health care, and to create a theoretical and practical model of how wellness and alternative medical systems might "integrate" with the allopathic medical model at the personal, interpersonal, community, societal and global levels.

Restrictions: Senior standing or permission of instructor

Offering Location: Johnson Campus

SOC 4810 - Internship in Sociology

Credit(s): 1 to 6

The internship provides an opportunity for practical field work in sociology arranged in conjunction with the Career Services Office. The student is placed in a work site that will provide practical, career-oriented experience under the supervision of an employer and a faculty member who will make on-site visits. The internship emphasizes acquisition of job-related skills and the role of professionals in the discipline. See also the section on cooperative education elsewhere in this catalog.

Prerequisites: The prerequisites are ANT 1030 or SOC 1010, junior standing and permission.

SOC 4810 - Internship in Sociology (J)

Credit(s): 1-12

Students plan and complete an approved internship in consultation with their faculty supervisor.

Offering Location: Johnson Campus

SOC 4910 - Independent Study in Sociology

Credit(s): 1 to 3

This course allows the student to pursue an advanced, in-depth study of a topic in sociology not offered in the regular curriculum, under the tutelage of a department faculty member. An independent-study contract must be negotiated with the instructor and filed before registering for this course.

Prerequisites: The prerequisites are ANT 1030 or SOC 1010, junior standing and permission.

SOC 4910 - Independent Study in Sociology (J)

Credit(s): 1-12

Students plan and complete an approved independent study in consultation with their faculty supervisor.

Offering Location: Johnson Campus

Spanish

Spanish

SPA 1011 - Spanish I

Credit(s): 3

This function-based course presents basic conversational patterns and grammatical structures, and establishes a foundation for speaking, reading, and writing the language. The instruction introduces readings which are scaled to the beginner's ability in order to introduce the student to Spanish culture. The course is designed for students who have had little or no previous Spanish.

Corequisites: SPA 1011L for one additional credit (Johnson)

Offering Location: Johnson Campus, Lyndon Campus

Notes: *There may be a course fee. This course is offered every fall semester (Lyndon).*

SPA 1011L - Spanish I Lab

Credit(s): 1

This one-hour laboratory is taken concurrently with NVU-Johnson's SPA 1011.

Corequisites: SPA 1011

Offering Location: Johnson Campus

SPA 1012 - Spanish II

Credit(s): 3

The second course in a two-semester sequence designed to introduce students to the Spanish language. Continued development of aural comprehension, speaking, reading, and writing skills. Further study of elements of the culture of Latin American and Spain.

Prerequisites: SPA 1011 or two years of high school Spanish; or permission of instructor (Johnson).

Corequisites: SPA 1012L for one additional credit (Johnson).

Offering Location: Johnson Campus, Lyndon Campus

Notes: *This course is offered every spring (Lyndon)*

SPA 1012L - Spanish II Lab

Credit(s): 1

This one-hour laboratory is taken concurrently with NVU-Johnson's SPA 1012.

Prerequisites: SPA 1011 or two years of high school Spanish; or permission of instructor.

Offering Location: Johnson Campus

SPA 1710 - Special Topics in Spanish

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 1000-level not offered in the general Spanish curriculum.

Prerequisites: This course may be repeated with a change of topic.

SPA 2011 - Spanish III

Credit(s): 3

This course provides a systematic and intensive review of first-year college Spanish (or two years of high school Spanish), followed by work leading to the further development of oral proficiency, the continued study of Spanish grammar, directed composition, and the acquisition of vocabularies for everyday use. The course requires informal oral and written reports as well as laboratory work.

(with lab)

Prerequisites: SPA 1012 or three years of high school Spanish; or permission of instructor

Offering Location: Johnson Campus

SPA 2011L - Spanish III Lab

Credit(s): 1

This one-hour laboratory is taken concurrently with NVU-Johnson's SPA 2011.

Prerequisites: SPA 1012 or three years of high school Spanish; or permission of instructor

Offering Location: Johnson Campus

SPA 2012 - Spanish IV

Credit(s): 3

This course provides further development of oral proficiency, the continued study of Spanish grammar, directed composition, and the acquisition of vocabularies for everyday use. Informal oral and written reports, as well as laboratory work, is required.

(with lab)

Prerequisites: SPA 2011 or four years of high school Spanish; or permission of instructor

Offering Location: Johnson Campus

SPA 2012L - Spanish IV Lab

Credit(s): 1

This one-hour laboratory is taken concurrently with NVU-Johnson's SPA 2012.

Prerequisites: SPA 2011 or four years of high school Spanish; or permission of instructor

Offering Location: Johnson Campus

SPA 2710 - Special Topics in Spanish

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 2000-level not offered in the general Spanish curriculum.

Prerequisites: This course may be repeated with a change of topic.

SPA 2910 - Independent Study in Spanish

Credit(s): 1-12 (Johnson); 1-3 (Lyndon)

This course provides an opportunity for advanced study in selected areas of interest.

Prerequisites: Permission of instructor.

Offering Location: Johnson Campus, Lyndon Campus

SPA 3710 - Special Topics in Spanish

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 3000-level not offered in the general Spanish curriculum.

Prerequisites: This course may be repeated with a change of topic.

SPA 4710 - Special Topics in Spanish

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 4000-level not offered in the general Spanish curriculum.

Prerequisites: This course may be repeated with a change of topic.

SPA 4910 - Independent Study in Spanish

Credit(s): 1-12

Students plan and complete an approved independent study in consultation with their faculty supervisor.

Offering Location: Johnson Campus

Sport Leadership

Sport Leadership

SPL 1710 - Special Topics in Sport Leadership

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 1000-level not offered in the general Sport Leadership curriculum.

Prerequisites: This course may be repeated with a change of topic.

SPL 2010 - Sport Marketing and Promotions

Credit(s): 3

This course examines the marketing process as it applies to the sport industry. Students will conduct market research and develop promotional materials. Research components may include data collection, economic feasibility study, market research and segmentation, competitive analysis, and consumer behavior. Promotional activities may include social responsibility planning, sponsorships, developmental strategies, and programming and advertising at the collegiate and professional level.

Prerequisites: BUS 1350 or permission.

Offering Location: Lyndon Campus

SPL 2030 - Athletic Administration

Credit(s): 3

This course emphasizes administrative components related to facilitating interscholastic and intercollegiate athletics. Topics may include high school and NCAA sustainable management practices, compliance, gender equity, scheduling, travel planning, academic success programming, crisis management, and collaborating with campus constituents.

Prerequisites: BUS 1350 or permission.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

SPL 2040 - Sports Information and Media

Credit(s): 3

This course covers the evolution of sports media by examining topics ranging from early sports journalism to today's social-media influence. Students will research the history, ethical impact, and customer consumption patterns across multiple platforms. Topics may include best practices related to the profession of sports information including public relations, crisis management, statistics, writing press releases, broadcasting contests, and award-voting processes.

Prerequisites: The prerequisite is SPL 2010. This course is offered every other fall.

SPL 2050 - Sport Business

Credit(s): 3

This course provides students with a comprehensive understanding of the key concepts, theories, practices, philosophies, and issues related to the production, distribution, and use of income generated in the sport industry. Topics include revenue generation, cost control, profit and loss, and budgeting.

Prerequisites: The prerequisite is SPL 1010 or permission. This course is offered every fall.

SPL 2060 - Sport Leadership and Governance

Credit(s): 3

This course focuses on the principles, history, and operation of sport governing bodies with an emphasis on policy development, legal authority, ethical responsibility, organizational structure, and function as applied to the governance of sport at local, regional, national, and international levels. Students will have the opportunity to research and evaluate governance structures and leadership theories, identify a personal leadership approach, and understand what it takes to be a highly effective leader in the sport industry.

Prerequisites: The prerequisite is SPL 2050. This course is offered every other spring.

SPL 2710 - Special Topics in Sport Leadership

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 2000-level not offered in the general Sport Leadership curriculum.

Prerequisites: This course may be repeated with a change of topic.

SPL 3030 - Facility Design and Event Management

Credit(s): 3

This course explores foundational concepts in facility design and event management, from planning and construction to staffing and hosting large events. Instruction focuses on managing the physical structures and support elements of sports facilities including planning, construction, marketing, services and programs, day-to-day operations, documentation, fiscal management, risk management and trends as well as programming and managing sporting events and other events that often occur at sports venues (concerts, fairs, graduation ceremonies, circuses, etc.).

Prerequisites: The prerequisite is SPL 2010. This course is offered every other fall.

SPL 3040 - Sport Resource Management

Credit(s): 3

This course examines the management of human, educational, political, and social resources related to a sport or recreation-related organization. Topics may include skills and best practices related to building relationships, networking, fundraising methods, organizational skills, programming, ethical decision making, risk management, leadership skills, team building, project management, and human resource management.

Prerequisites: The prerequisite is SPL 2050. This course is offered every odd numbered fall. There is a course fee.

SPL 3710 - Special Topics in Sport Leadership

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 3000-level not offered in the general Sport Leadership curriculum.

Prerequisites: This course may be repeated with a change of topic.

SPL 4020 - Sport Law

Credit(s): 3

This course examines laws, legal issues, and ethics pertinent to the sports industry. Case studies, decision making strategies and legal research are used to develop a philosophical approach to dealing with ethical, legal and moral challenges facing sport managers including sportsmanship, performance-enhancing drugs, cheating, violence, and gambling.

Prerequisites: The prerequisite is SPL 2060 or permission. The course is offered every fall.

SPL 4710 - Special Topics in Sport Leadership

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 4000-level not offered in the general Sport Leadership curriculum.

Prerequisites: This course may be repeated with a change of topic.

SPL 4720 - Senior Seminar in Sport Management

Credit(s): 3

This course is the capstone academic experience for the Sport Management program. The course provides a forum for students to integrate their classroom and internship experiences and discuss current trends, issues, ethics, and challenges in sport management. A case study approach will allow students to utilize critical thinking and problem-solving techniques to make decisions. Topics will span the breadth of the discipline and may include: behavioral dimensions, management and organizational

skills, ethics, marketing, communication, finance, economics, legal aspects, facility development, public relations, risk management, fundraising, philosophy, and leadership.

Prerequisites: The prerequisite is senior standing. This course is offered every spring. There is a course fee.

SPL 4810 - Internship in Sport Management

Credit(s): 1-15

The internship affords students an opportunity to apply sport management theory and best practices in a professional environment. The internship is developed in consultation with the student, the student's academic advisor, and the faculty supervisor and may occur only after the student has completed their Sophomore year. A limited number of internships are available in the Athletic Department, while others are widely available off campus and out of Vermont.

Restrictions: Junior standing and Permission.

Offering Location: Lyndon Campus

Repeatable for Credit: Yes.

Notes: CPR/AED and First Aid certification are required prior to registration for this course. There is a course fee.

Theater Arts

Theater Arts

THA 1025 - FYS: What's Your Story? Crafting and Curating Narratives of Self in Our Contemporary World

Credit(s): 3

This course is designed as an introduction to the act of creating art and telling stories based on our own lived experience. Through studying other writers, painters, performance artists, filmmakers, and comedians, we will learn how to cultivate stories from our own lives that are compelling in a similar way. The course will culminate in a final showcase of original works of video, writing, and performance created by students in the class. No previous experience is required, as we will be exploring new frontiers of storytelling together. The course is intended for extroverted performers and introverted writers alike.

Offering Location: Johnson Campus

THA 1040 - Interpreting Contemporary Dramatic Literature

Credit(s): 3

[LGWL2] This course provides an interdisciplinary understanding of contemporary dramatic literature. Period plays and masterworks are looked at from the vantage point of the actor, the playwright, the technician, and the critic. The play is observed as a force within a cultural context influenced by and influencing the social, political, and economic realities of its time.

Prerequisites: The prerequisite is THA 1041. This course is offered every odd-numbered spring.

THA 1040 - Interpreting Contemporary Dramatic Literature (J)

Credit(s): 3

Period plays and masterworks are explored from the vantage point of the actor, the playwright, the technician and the critic. The play is observed as a force within a cultural context influenced by and influencing the social, political and economic realities of its time.

Offering Location: Johnson Campus

THA 1041 - Introduction to Theater Arts (J)

Credit(s): 3

This course is designed as an introduction to the collaborative nature of theater in addition to the analysis and criticism of dramatic literature. The imaginative process is stressed as history, playwriting, audience, acting, directing, producing and designing for both theater and film are individually examined as elements of the collaborative process.

Offering Location: Johnson Campus

THA 1041 - Introduction to Theatre

Credit(s): 3

[LGAD3] This course is designed as an introduction to the collaborative nature of theatre in addition to the analysis and criticism of dramatic literature. The imaginative process is stressed as history, playwriting, audience, acting, directing, producing, and designing for both theatre and film are individually examined as elements of the collaborative process.

Prerequisites: There may be a course fee. This course is offered every fall.

THA 1111 - Stagecraft

Credit(s): 3

This hands-on course introduces students to the basic techniques of scenery and set construction and philosophy and the mechanics of lighting, properties, sound and technical effects. The course also includes crew work on productions.

Offering Location: Johnson Campus

THA 1710 - Special Topics in Theater

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 1000-level not offered in the general Theater curriculum.

Prerequisites: This course may be repeated with a change of topic.

THA 1710 - Special Topics in Theater

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 1000-level not offered in the general Theater

curriculum.

Prerequisites: This course may be repeated with a change of topic.

THA 2020 - Theater Lab

Credit(s): 3

This course introduces students to serious, hands-on work in technical theater. Students can work at entry-level positions and repeat the class for credit upon assuming more advanced levels of responsibility. Major areas include stage carpentry, stage electricians and sound engineering. The course provides an opportunity for students to develop career skills while working with international touring companies in music, dance and theater as well as with a wide range of departmental productions and events.

Offering Location: Johnson Campus

THA 2035 - Costume Construction & Stage Makeup

Credit(s): 3

The primary focus of this course is on the principles of drafting, cutting and constructing costumes for theater. Costume crew work for department productions is expected. Theatrical makeup in relation to costuming also is explored.

Prerequisites: THA 1041

Offering Location: Johnson Campus

THA 2040 - Performance & Production Lab

Credit(s): 0 or 3

This lab course involves the rehearsal and performance of a major, faculty-directed theater production or equivalent theater performance. In order to receive full credit for this course, students must be cast in the semester production or fulfill a crew assignment. Students also may be expected to complete one academic exercise by production's end.

Restrictions: Permission of instructor via audition or interview

Offering Location: Johnson Campus

THA 2080 - Theatre Arts in The Dramatic Format

Credit(s): 3

This course provides an introduction to the theatre arts and dramatic literature and explores how they apply to the theatre, television, and film mediums. Dramatic literature and historical background ranges from the classic age to the modern drama. This course includes such topics as language and terminology, how to read a script, basic script development, and the dramatic format as a collaborative art which includes the playwright, the director, the actor, the scenic designer, the costume designer, and the critic.

Offering Location: Lyndon Campus

Notes: *There is a course fee.*

THA 2121 - Acting I (J)

Credit(s): 3

This course explores the basic nature of the actor's creative process. It includes study of the actor's physical instrument, impulses, intuition and creative imagination. The fundamental elements of the acting craft -- including imaginary environment, character analysis and development, voice, body, relaxation and concentration -- are applied to work on monologues and scenes. A laboratory, THA 2121L, must be taken concurrently.

Corequisites: THA 2121L

Offering Location: Johnson Campus

THA 2121 - Acting I (L)

Credit(s): 3

This course explores the basic nature of the actor's creative process. It includes the study of the actor's physical instrument, impulses, intuition and creative imagination. The evolving study of the course focuses on the fundamental elements of the acting craft: imaginary environment, character analysis and development, voice, body, relaxation and concentration is applied to work on monologues and scenes. This course emphasizes oral communication skills.

Offering Location: Lyndon Campus

THA 2121L - Acting I Lab

Credit(s): 1

Vocal training in this class addresses the vital components that develop the young voice, including the phonetic alphabet, projection, volume, articulation, diction, tone, accents, and dialects and their effect on character.

Corequisites: THA 2121

Restrictions: Johnson Campus

Offering Location: Johnson Campus

THA 2122 - Acting II (J)

Credit(s): 3

This course continues developing basic acting skills through advanced character analysis and the development of character begun in fundamentals of acting. Emphasis is placed on the inner, emotional layers of character development through scene study, rehearsal and performance of modern, realistic dialogue scenes and a look at film and television vs. stage acting.

Prerequisites: THA 2121

Offering Location: Johnson Campus

THA 2122 - Acting II (L)

Credit(s): 3

This course continues developing basic acting skills through advanced character analysis and the development of character begun in Acting I. Emphasis is placed on the inner, emotional layers of character development through scene study, rehearsal and performance of modern, realistic dialogue scenes along with a look at film and television vs. stage acting. This course emphasizes oral communication skills.

Prerequisites: THA 2121 and permission.

Offering Location: Lyndon Campus

THA 2710 - Special Topics in Theater

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 2000-level not offered in the general Theater curriculum.

Prerequisites: This course may be repeated with a change of topic.

THA 2810 - Internship in Theater

Credit(s): 1-12

Students plan and complete an approved internship in consultation with their faculty supervisor.

Offering Location: Johnson Campus

THA 2840 - Theatre Performance and Production

Credit(s): 3

This course presents practical experience in various aspects of either theater performance or production. Students who wish to participate in the performance portion of the course must audition for the main-stage production at the beginning of the semester and must be prepared to develop and present their characters during the performance period. Those students who do not successfully audition are assigned to one of the following positions: assistant director, stage manager, house manager, properties coordinator, costumer, publicity or general production manager.

Prerequisites: This course may be repeated for credit. This course is offered every semester.

THA 2845 - Stagecraft and Tech Crew

Credit(s): 3

This course introduces students to the non-performance, collaborative fields involved in making a theatrical production happen. Instruction features an introduction to set design and construction, and lighting and sound design, as students collaborate on technical aspects of the main-stage production. Students must be available for participation in the run-crew for a main-stage production which will include some weekend hours. Instruction will include the study of OSHA safety regulations and practices. Final crew assignments are solely determined by the instructor.

Prerequisites: This course may be repeated for credit. This course is offered every semester.

THA 2910 - Independent Study in Theater

Credit(s): 1-12

Students plan and complete an approved independent study in consultation with their faculty supervisor.

Offering Location: Johnson Campus

THA 3010 - Shakespeare: On the Stage & On the Page

Credit(s): 3

This survey of Shakespeare examines the playwright's use of various dramatic genres -- comedy, romance, tragedy and history -- from a theatrical perspective. Students explore ways in which a playwright's blueprint -- the text of the play -- becomes a full-blown theater production. Dramatic structure, character, themes and plot are explored as embodied in performance.

Prerequisites: THA 1041

Offering Location: Johnson Campus

THA 3030 - Theater for Young Audiences

Credit(s): 3

This is a study of the techniques of children's theater, which students employ in the field during the last eight weeks of the semester, when they perform at local elementary schools and work with the students there.

Offering Location: Johnson Campus

THA 3040 - Improvisation for Actors

Credit(s): 3

This course is an introduction to the essence of improvisational acting, namely "play." Through a variety of exercises, improvisational games, solo work and improvised scenes, students should develop the confidence to let go of the need "to perform" and instead focus on "living in the moment." They should find the courage to give up having to "get it right" and instead trust in the adventure of spontaneity.

Prerequisites: THA 1041; THA 2121

Offering Location: Johnson Campus

THA 3110 - Dramatic Literature: Classical/Modern

Credit(s): 3

This course studies selected plays from the Classical Greek period through modern times. Plays are examined for dramatic style and structure, content and their place in the historical evolution of drama. The predominant social, political and cultural events at

the time of writing, as well as the meaning and subject for the contemporary audience, are explored.

Prerequisites: THA 1041; THA 2121; ENG 1072 or a literature course

Offering Location: Johnson Campus

THA 3123 - Acting III

Credit(s): 3

The study of period styles of acting and advanced techniques of character creation. The course emphasizes continuing developing of practical acting craft and expanding the student's understanding of the range and variety of performance styles through the ages. The course culminates in a public performance.

Prerequisites: THA 2122

Offering Location: Johnson Campus

Repeatable for Credit: Yes

THA 3130 - Introduction to Design: Costume, Scenic, and Stage Lighting

Credit(s): 3

This is an introduction to the basic techniques, concepts and skills required for a completed scene design for a theater production and a completed lighting design for a theater production or other performance event (e.g., dance and music concerts). Visual interpretation of a script is the preliminary point of departure. Ground plans, working drawings, elevations, color renderings, lighting plots, dimmer charts, instrument schedules and cue sheets will be the working material of the class, particularly as they apply to interpretive cooperation with actors and directors.

Prerequisites: THA 1111

Offering Location: Johnson Campus

THA 3140 - Theater History

Credit(s): 3

This course provides an intensive study of the major aspects of theatrical production and performances in two significant historical periods in the evolution of theater from the Greeks to the middle of the 20th century. The course emphasizes practical historical research and performance that is historically accurate. In order to fully appreciate the history, students study such elements as physical theater space and architecture, audience/performer relationships, acting styles, methods of financing, scenic and costuming styles, theatrical and dramatic conventions, and social and aesthetic values of the historical period.

Prerequisites: THA 1041; THA 1111 or THA 2121

Offering Location: Johnson Campus

THA 3150 - Introduction to Stage Management

Credit(s): 3

This course explores both the art and the science of stage management. Efficiency, organization and the ability to foresee problems are important skills the stage manager must possess. Of equal importance is the ability to communicate, to deal effectively with a wide variety of people and to maintain a sense of balance while acting as the liaison to a production staff. This class is designed to give students the "nuts and bolts" knowledge about paperwork and procedures - the first steps toward effective stage management. It also introduces students to less tangible aspects of management, including prioritizing, problem-solving, communicating and facilitating the resolution of interpersonal conflict.

Prerequisites: THA 1041; THA 1111

Offering Location: Johnson Campus

THA 3210 - Introduction to Directing

Credit(s): 4

This course covers the basic preparation necessary for the stage director before beginning actual production. Topics include auditioning and casting a production, rehearsal planning, production planning, script analysis and working with actors. A major project consisting of the preparation of the pre-production prompt book for a one-act play is required.

Prerequisites: THA 1041; THA 2121

Offering Location: Johnson Campus

THA 3211 - Directing I

Credit(s): 3

[LGAD3] This course features the study of directing for the theatre and/or film medium. Small scene study leads the way to developing a total production concept for the one-act play or larger venue. Rehearsal techniques for the actor, communication processes for production personnel, blocking and staging preparation, as well as time, facilities and personnel management are elements of directing to be encountered. Public performance is expected.

Prerequisites: The prerequisites are THA 1041 and THA 2080. There is a course fee. This course is offered every odd-numbered spring.

THA 3710 - Special Topics in Theater

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 3000-level not offered in the general Theater curriculum.

Prerequisites: This course may be repeated with a change of topic.

THA 3710 - Special Topics in Theater (J)

Credit(s): 3

The topics addressed in this course vary and are noted prior to the registration period.

Offering Location: Johnson Campus

THA 4010 - Performance & Production Lab

Credit(s): 0 or 3

This lab comprises rehearsal and performance of a major, faculty-directed theater production or equivalent performance project in theater. In order to receive full credit, students must be cast in the semester production or fulfill a crew assignment. Students also may be expected to complete one academic exercise by production's end.

Prerequisites: THA 2040; permission of instructor via audition or interview

Restrictions: Junior standing

Offering Location: Johnson Campus

THA 4050 - Theater Lab

Credit(s): 3

This course exposes the student to advanced hands-on work in technical theater, building on initial skills developed through THA 2020. Major areas include stage carpentry, stage electrics and sound engineering. The course provides an opportunity for students to develop career skills while working with international touring companies in music, dance and theater as well as with a wide range of departmental productions and other events.

Prerequisites: THA 2020

Offering Location: Johnson Campus

THA 4710 - Special Topics in Theater

Credit(s): Variable

This course provides students the opportunity to pursue topics appropriate to the 4000-level not offered in the general Theater curriculum.

Prerequisites: This course may be repeated with a change of topic.

THA 4720 - Senior Project in Theater

Credit(s): 3

Students design and complete a project in any one or a combination of the performing or design concentrations with approval of an advisor. Students should meet with advisors during the first semester of their senior year to begin planning for the senior project. If students elect to direct their own theater production as their senior project, THA 3150 and THA 3210 will be required prerequisites.

Restrictions: Senior standing

Offering Location: Johnson Campus

THA 4730 - Seminar in Professional Preparation for the Actor

Credit(s): 3

This capstone course will focus on preparing auditions, resumes, photos, feature articles, techniques for interviewing, self-marketing and additional practicalities essential for this profession.

Prerequisites: THA 1041; THA 2121; THA 2122

Offering Location: Johnson Campus

THA 4810 - Internship in Theater (J)

Credit(s): 1-12

Students plan and complete an approved internship in consultation with their faculty supervisor.

Offering Location: Johnson Campus

THA 4910 - Independent Study

Credit(s): 3

This course gives the advanced student an opportunity to work on a special area of interest that is not possible through the standard curriculum.

Prerequisites: The prerequisite is permission of instructor. The independent study contract must be approved, signed and submitted before the current semester's registration period closes.

THA 4910 - Independent Study in Theater (J)

Credit(s): 1-12

Students plan and complete an approved independent study in consultation with their faculty supervisor.

Offering Location: Johnson Campus

Johnson - Allied Health Sciences

AHS 1010 - Contemporary Health Issues

Credit(s): 3

This course examines the concept of health and the role and responsibility of individuals for their health. It emphasizes wellness and health promotion and their relationship to quality of life.

Offering Location: Johnson Campus

AHS 1080 - Lifetime Fitness

Credit(s): 1

This course studies the theory of wellness concepts, including wellness, physical fitness, nutrition, diet and weight control, stress management and lifestyle diseases. The impact of a wellness-promoting lifestyle is examined. Laboratory sessions complement and enhance the study of wellness concepts.

Offering Location: Johnson Campus

AHS 1330 - FYS: Being Here on Purpose

Credit(s): 3

Using formal and informal mindfulness techniques, students learn to stand back from their emotions, assumptions and expectations about the first-year college experience and learn the joy of simply being open to oneself and to the moment-to-moment experiences of what happens next. The course includes papers and required readings, and there is a home-practice component by which students learn to habituate the practice of mindfulness in their daily lives.

Restrictions: First-year students only

Offering Location: Johnson Campus

AHS 1340 - First Aid and CPR

Credit(s): 1

This course will help participants identify and eliminate potentially hazardous conditions in their environment, recognize emergencies and make appropriate decisions for first aid care. Successful completion will earn the participant a certificate in Adult, Child, and Infant CPR, the use of an AED, and basic First Aid.

Offering Location: Johnson Campus

AHS 2040 - Advanced First Aid & Emergency Care

Credit(s): 4

This course provides the knowledge and skills to function effectively in a medical emergency situation. It consists of both lecture and laboratory experiences. Red Cross Advanced First Aid Certification is possible.

(with lab)

Prerequisites: BIO 1210

Restrictions: Sophomore standing

Offering Location: Johnson Campus

AHS 2080 - Health Sciences Seminar

Credit(s): 1

The purpose of this course is to begin preparing students for successful entrance into the professional world following graduation. Students will complete a career-development plan, learn about the variety of professional and career options available after graduation, learn how to search for a job, prepare a resume, and complete a successful interview. Finally, several additional topics will be discussed, such as internships and scientific literature searches, among others.

Prerequisites: AHS 1010

Restrictions: Sophomore Standing

Offering Location: Johnson Campus

AHS 2130 - Strength & Conditioning

Credit(s): 3

Students learn the scientific principles of strength and conditioning programs for healthy and diseased populations. The course covers both theory and application of evidence-based findings to strength and conditioning programs. Emphasis also is placed on information found in professional certification exams.

Prerequisites: BIO 2012

Offering Location: Johnson Campus

AHS 2350 - Physical Activity in Health and Disease

Credit(s): 3

This course is an introductory course and examines the influence of physical activity and fitness on the development of chronic disease and improvement in life expectancy. It considers the risk factors for the development of chronic diseases and how these can be modified by meeting the Department of Health and Human Service's Physical Guidelines for Americans. Students will explore screening tools used to assess current physical activity levels.

Restrictions: Health & Wellness Coaching Concentration Majors Only

Offering Location: Johnson Campus

AHS 2360 - Introduction to Food Science

Credit(s): 3

This course uses science to unlock the mysteries of food and cooking. It explores the scientific principles that underlie culinary phenomena and applies them to explain the properties of foods and how certain food preparation techniques work. The class is structured as an integrated lecture-lab, and laboratory activities will provide hands-on opportunities to put these scientific principles to the test in the kitchen.

Restrictions: Health & Wellness Coaching Concentration Majors Only

Offering Location: Johnson Campus

AHS 2370 - Fundamentals of Nutrition

Credit(s): 3

This course is designed as an introduction to the concepts related to energy utilization in nutritional science, and the application of these concepts to our daily lives. Students will learn the components of energy balance (intake expenditure), the role of macronutrients and micronutrients, the use of nutrition labeling information related to energy balance, and how to apply all of this information to maintain a healthy body weight. Students will also calculate and analyze their personal energy intakes and expenditures over a three day period and create a personal action plan. Upon the completion of the course, students will have the foundation necessary to continue the study of nutrition science and complete simple dietary analyses using Food Processor software.

Restrictions: Pre-Professional Health Studies and Health & Wellness Coaching Concentration Majors Only

Offering Location: Johnson Campus

AHS 2480 - Introduction to Wellness Coaching

Credit(s): 3

This course is designed to introduce students to wellness coaching techniques and skills for health promotion with emphasis on the practical application of brief intervention and motivational interviewing skills to promote healthy lifestyle changes. Students will utilize theoretical frameworks and methods of coaching and understand the skills, tools and concepts that are used in health and wellness coaching. The students will end the course with the ability to use a range of fundamental coaching skills in a coaching session.

Restrictions: Health & Wellness Coaching Concentration Majors Only

Offering Location: Johnson Campus

AHS 2810 - Internship in Allied Health Science

Credit(s): 1-12

Students plan and complete an approved internship in consultation with their faculty supervisor.

Offering Location: Johnson Campus

AHS 2910 - Independent Study in Allied Health Science

Credit(s): 1-12

Students plan and complete an approved independent study in consultation with their faculty supervisor.

Offering Location: Johnson Campus

AHS 3010 - Therapeutic Massage

Credit(s): 3

This course is an opportunity for students to train intensively in therapeutic massage. Primarily for students concentrating in health science and the behavioral sciences, this course is meant to help students learn about therapeutic massage as an acceptable form of treatment for stress and muscle tension and increased mind-body comfort.

Restrictions: Sophomore standing

Offering Location: Johnson Campus

AHS 3043 - Care & Prevention of Athletic Injuries

Credit(s): 4

This course is an introduction to the prevention, evaluation and treatment of athletics-related injuries. It is an overview of the field of athletic training to include the evaluation of injuries, emergency medical procedures, prevention and treatment methods for musculoskeletal injuries and heat illness. The laboratory practicum involves the application of preventative, assessment, supportive and rehabilitative techniques to injury management.

Prerequisites: BIO 2011; BIO 2012

Offering Location: Johnson Campus

AHS 3050 - Introduction to Pharmacology

Credit(s): 3

This course presents an introduction to the fundamental principles of basic and clinical pharmacology at the molecular, cellular, organ and whole body levels. It covers the biochemical and physiological bases for drug actions and effects, therapeutic uses and adverse reactions. Drug classifications, methods of administration, and alternative therapies are discussed.

Prerequisites: BIO 2011; BIO 2012; CHE 1031

Offering Location: Johnson Campus

AHS 3110 - Health & Healing: The Mind/Body Connection

Credit(s): 3

Scientists and researchers of holistic medicine have gained convincing evidence to support the view that illness is not caused only by external factors such as viruses, but also by internal factors such as emotions and the individual's state of mind. This course will focus on the psychology of wellness and illness, in addition to healing connections among the body, mind and spirit.

Prerequisites: PSY 1010; BIO 2011; BIO 2012; or permission of instructor

Offering Location: Johnson Campus

AHS 3120 - Kinesiology

Credit(s): 3

This course provides a practical approach to the study of human body movement from anatomical, physiological, mechanical, analytical and functional viewpoints.

Prerequisites: BIO 2011

Offering Location: Johnson Campus

AHS 3230 - Physiology of Exercise

Credit(s): 4

This course examines the acute and chronic physiological adaptations of the human body to physical activity.

Prerequisites: BIO 2011; BIO 2012

Offering Location: Johnson Campus

AHS 4025 - Health Behavior: Change & Adherence

Credit(s): 3

This course is an advanced analysis of theoretical health behavior models and their application to common health-related behaviors (e.g., physical activity, nutrition and smoking). It includes practical techniques, tools and interventions (e.g., counseling and motivational interviewing) to enhance behavior education and motivation, and consideration for working with special populations.

Prerequisites: PSY 1010

Restrictions: Junior standing

Offering Location: Johnson Campus

AHS 4030 - Psychology of Sports & Exercise

Credit(s): 3

This course explores the theories and principles of psychology and their relationship to performance in physical education and athletics and recovery from athletic injury.

Prerequisites: PSY 1010

Offering Location: Johnson Campus

AHS 4060 - Cardiopulmonary Assessment, Rehabilitation & Training

Credit(s): 4

This capstone course covers appraisal of health status and determination of risk for exercise participation; implementing and interpreting clinical and non-clinical exercise tests; theory and implementation of exercise as rehabilitative therapy for cardiovascular, pulmonary and metabolic diseases; and exercise prescription for healthy and diseased populations. The content in this course helps prepare students for a number of professional certification exams.

Prerequisites: AHS 3230

Offering Location: Johnson Campus

AHS 4110 - Psychophysiology of Stress

Credit(s): 3

This course is designed for senior students in health and behavioral sciences as well as graduate students. It provides the learner with the theoretical information about the clinical application of biofeedback across the disciplines of psychology, physiology, education and medical science.

Prerequisites: PSY 1010; and BIO 2012 or PSY 4010

Offering Location: Johnson Campus

AHS 4810 - Internship in Allied Health Science

Credit(s): 1-12

Students plan and complete an approved internship in consultation with their faculty supervisor.

Offering Location: Johnson Campus

AHS 4910 - Independent Study in Allied Health Science

Credit(s): 1-12

Students plan and complete an approved independent study in consultation with their faculty supervisor.

Offering Location: Johnson Campus

AHS 4911 - Senior Research

Credit(s): 3

This course requires students to conduct an individual research project, conduct an oral presentation and complete a thesis on the research, which might result in publication of the project. This capstone course allows the student to combine the skills and knowledge gleaned from previous courses with a self-designed research project that requires the student to ask a good question, develop appropriate techniques and conduct appropriate research. The research topic is to be chosen by the student in consultation with a faculty mentor. A thesis outline must be submitted to the supervising faculty member (or members) prior to commencement of research. This type of practical, hands-on experience may be conducted at locations off campus, in conjunction with a work-study project, internships or on campus research. The project must be completed within two semesters.

Restrictions: Senior standing

Offering Location: Johnson Campus

Johnson - Community Service

CSV 1011 - Principles in Community Service Learning

Credit(s): 2

This course outlines the history of volunteerism, analyzes why we choose to become volunteers and provides an opportunity to share and reflect upon our volunteer experiences. The classroom setting assists students to integrate volunteer learning with their educational and career goals.

Offering Location: Johnson Campus

CSV 1012 - Community Service Learning

Credit(s): 1

Students are linked through volunteer services with an agency, school or project. A journal is kept by the student as a tool to analyze the experience and document skills developed and/or enhanced. Students are awarded one credit for 30 hours of service and the completion of a reflective paper.

Recommended: CSV 1011

Offering Location: Johnson Campus

CSV 2810 - Internship in Community Service

Credit(s): 3

Students plan and complete an approved internship in consultation with their faculty supervisor.

Offering Location: Johnson Campus

CSV 2910 - Independent Study in Community Service

Credit(s): 1-12

Students plan and complete an approved independent study in consultation with their faculty supervisor.

Offering Location: Johnson Campus

CSV 3010 - Leadership through Volunteer Service Learning

Credit(s): 1

In this course, students learn how to plan, develop and implement a student community service project. They have the option of being a "student coordinator" in a particular program area (e.g., children, environment, community development, elderly) or a one-time project (e.g., Red Cross Blood Drive, food drive, river cleanup, etc.).

Recommended: CSV 1011 and CSV 1012

Offering Location: Johnson Campus

CSV 4810 - Internship in Community Service

Credit(s): 3

Students plan and complete an approved internship in consultation with their faculty supervisor.

Offering Location: Johnson Campus

CSV 4910 - Independent Study in Community Service

Credit(s): 1-12

Students plan and complete an approved independent study in consultation with their faculty supervisor.

Offering Location: Johnson Campus

Johnson - Dance

DAN 1010 - Fundamentals of Dance

Credit(s): 3

This course provides an introduction to dance and movement with a studio component.

Offering Location: Johnson Campus

DAN 1020 - Fundamentals of Jazz Dance

Credit(s): 3

This course is an introduction to the principles and techniques of jazz dance.

Offering Location: Johnson Campus

DAN 1030 - Body Awareness

Credit(s): 3

This course is designed to awaken an awareness of one's body through yoga, dance, massage techniques and reading assignments. Emphasis is on the importance of proper alignment, energy flow, flexibility and strength, body/breath coordinations, tension relief exercises and philosophies. There are also exercises in postural re-education and simple body-care techniques. A strong emphasis is placed on the correct and natural use of the body.

Offering Location: Johnson Campus

DAN 1035 - FYS: Perfect Body/Perfect Exercise

Credit(s): 3

This course examines body image and exercise through history and across cultures. It also explores some of the many aspects of exercise and "fitness" and why they are good for us.

Restrictions: First-year students only

Offering Location: Johnson Campus

DAN 1111 - Modern Dance

Credit(s): 3

This course provides an introduction to the principles and techniques of modern dance.

Offering Location: Johnson Campus

DAN 1210 - FYS: If I Can't Dance, Keep Your Revolution

Credit(s): 3

History is not just about important revolutions, battles, politicians and changing borders. It also is about everyday people and what is important in their everyday lives. This course is a multicultural exploration of the simple things that give people pleasure: their dances, games, social activities, cuisine and other things that comprise a nation's culture. We see how geography, climate, work, religion/ritual, gender and age all have their impact on a country's customs. This course investigates the similarities and differences among various cultures of people around the globe, celebrating what Emma Goldman called "everybody's right to beautiful, radiant things."

Restrictions: First-year students only

Offering Location: Johnson Campus

DAN 2010 - Folk Dance

Credit(s): 3

This course provides an introduction to folk dance and the joyous art of communal dancing of selected international origins. Includes instruction in appropriate styling as well as cultural and historical information pertinent to the countries involved. Outside readings and oral presentation are expected of the student.

Offering Location: Johnson Campus

DAN 2030 - Improvisation/Composition: Intermediate/Advanced Level

Credit(s): 4

This course explores the nature of movement qualities and textures and the elements of dance: space, time and force. The lab requires the development of improvisation and composition experiments into fully realized compositions intended to be presented before an audience.

(includes a choreography lab)

Offering Location: Johnson Campus

DAN 2040 - Beginning Tap Dance

Credit(s): 2

This course offers students the opportunity to study the fundamental structure of tap technique and learn basic tap dance vocabulary. Students learn to put this vocabulary together into phrases and combine these phrases into a choreographed dance. They explore the unique role tap dance plays in the history of American dance from its beginnings to the present day, and research performers who have affected its change and place in the dance world. Additional work includes a focus on speed, flexibility, strength and emphasis on styles and genres of dance that have affected tap.

Offering Location: Johnson Campus

DAN 2131 - Ballet

Credit(s): 3

This course studies the structure and form of classical ballet.

Offering Location: Johnson Campus

DAN 2730 - Topical Seminar in Dance

Credit(s): 0.5-4

This course supplements the regular dance program, offering students the opportunity to study a broad range of topics, which vary from semester to semester.

Prerequisites: Prerequisites may vary depending on topic

Offering Location: Johnson Campus

DAN 2910 - Independent Study in Dance

Credit(s): 1-12

Students plan and complete an approved independent study in consultation with their faculty supervisor.

Offering Location: Johnson Campus

DAN 3010 - The Renaissance Spirit

Credit(s): 3

This course is a survey of the Renaissance as experienced through dance and other arts of the period. Manners, morals, music, movement, culinary delights and eccentric clothing are some of the aspects of Renaissance life explored. Come and leap through the Galliards, strut through Pavans, listen to sackbuts and crumhorns and feast on authentic food and drink of the period.

Offering Location: Johnson Campus

DAN 3020 - Intermediate Ballet: Technique & History

Credit(s): 3

This course is a continuation and progression of the work begun in DAN 2131 with a further exploration of classical ballet vocabulary and technique through the execution of more accelerated bare and center floor exercises. Emphasis is on proper body alignment, development of rhythmic attack, musicality, clarity and precision, increased strength, flexibility and flow of movement. This course includes a survey of the history of ballet from its beginnings in the courts of Renaissance Europe to the present.

Prerequisites: DAN 2131 or permission of instructor

Offering Location: Johnson Campus

DAN 3030 - Improvisation/Composition: Intermediate/Advanced Level

Credit(s): 4

This course is a continuation of DAN 2030.

(includes a choreography lab)

Prerequisites: DAN 2030 or permission of instructor

Offering Location: Johnson Campus

DAN 3032 - Body Awareness II

Credit(s): 3

Designed to awaken an awareness of one's body through yoga, dance, massage, techniques and reading assignments. Emphasis is on the importance of proper alignment, energy flow, flexibility and strength, body/breath coordination, tension relief exercises and philosophies. There are also exercises in postural re-education and simple body-care techniques. A strong emphasis is placed on the correct and natural use of the body.

Offering Location: Johnson Campus

DAN 3112 - Intermediate Modern Dance: Technique & History

Credit(s): 3

This course is a continuation of the work begun in DAN 1111. Movement combinations are longer, more rhythmically complex and more varied in dynamics and quality. Emphasis is on developing a sense of theatrical style as well as continuing technical growth. This course includes a history component which traces the development of modern dance.

Prerequisites: DAN 1111 or permission of instructor

Offering Location: Johnson Campus

DAN 3130 - Jazz Dance

Credit(s): 3

This course is an introduction to the movement vocabulary and style of jazz, a performance-oriented form. Students of jazz dance learn to incorporate balletic and modern dance techniques into the specialized jazz style. They also develop the ability to handle their bodies as instruments, smoothly, sharply, lyrically, percussively and rhythmically. The course includes an historical survey of jazz dance from its roots in Africa through vaudeville, musical theater, movies and today's jazz artists.

Offering Location: Johnson Campus

DAN 3140 - African/Caribbean Dance & Culture

Credit(s): 3

The dances of Africa and the Afro-Caribbean Islands share components true of all dance forms which arise out of polytheistic cultures; they celebrate and acknowledge the complexity of the human psyche and of the forces of nature and also through the human form. Many of these dances are practiced as part of religious celebration and ritual; others are secular. Our exploration of these dances is through the lens of a living mythological system. We delve briefly into the realm of Carl Jung's collective unconscious and the phenomenon of archetypes, then look at how these archetypes are expressed in mythology, particularly as studied by Joseph Campbell. We then examine myths and archetypes embodied by the dances and experience the actual rhythms and dances, with live drumming accompaniment. Readings by Africans, Afro-Caribbean and Westerners, and films portraying the great diversity within this dance form, deepen our understanding and experience.

Offering Location: Johnson Campus

DAN 3180 - Folk Dance II

Credit(s): 3

Folk dance explores the joyous art of communal dancing from selected international origins. The ways that music, food, clothing, rituals, climate, geography, religion, work, art, culture and history influence the dances of these regions are explored. Outside readings, research and oral presentations are expected of students.

Offering Location: Johnson Campus

DAN 3210 - The Emperor Ain't Naked: A History of Western European Fashion & Social Dance from the Mid-14th Century to the Early 20th Century

Credit(s): 3

What do the clothes we wear and the dances that we perform socially tell us about who we are and when we lived? How does clothing inform us about a person's occupation or class? How do styles indicate age and sex roles? What can we learn about people's moods and opinions by looking at what they wear and how they move? How does underwear cosmetically redistribute the body to conform to the aesthetics of a particular time period, and why do these aesthetics change? How does clothing affect posture and the way that a person moves? How do clothing and dance affect one's health? What are the important social dances of each era? We will be looking at these questions in this hands-on, eye-opening course on the history of Western European fashion and social dance.

Restrictions: Junior standing

Offering Location: Johnson Campus

DAN 4130 - Advanced Ballet/Modern Dance: Technique & History

Credit(s): 3

This course solidifies the knowledge and technique acquired in intermediate ballet and intermediate modern dance with an increasing complexity of movement combinations, a broader range of movement and a greater emphasis on performing skills. This course requires an in-depth project on some element of dance history.

Prerequisites: DAN 3020 or DAN 3112 or permission of instructor

Offering Location: Johnson Campus

DAN 4910 - Independent Study in Dance

Credit(s): 1-12

Students plan and complete an approved independent study in consultation with their faculty supervisor.

Offering Location: Johnson Campus

Johnson - English as a Second Language

ESL 1010 - Conversation & Listening Skills

Credit(s): 3

This course offers non-native speakers of English the opportunity to develop the oral linguistic skills needed for college study. Class presentations and language laboratory work are required.

Offering Location: Johnson Campus

ESL 1021 - Written Expression I

Credit(s): 3

The objective of this course is to improve the writing of non-native English speakers. Through a review of grammar, syntax and semantics, this course attempts to develop college-level writing skills.

Offering Location: Johnson Campus

ESL 1022 - Written Expression II

Credit(s): 3

The objective of this course is to improve the writing of non-native English speakers. Through a review of grammar, syntax and semantics, this course attempts to develop college-level writing skills.

Prerequisites: ESL 1021

Offering Location: Johnson Campus

ESL 1031 - Understanding & Using English Grammar & Vocabulary I

Credit(s): 3

This course focuses on the correct usage of grammar and vocabulary in written and spoken English. Students study intermediate-level grammar and add more challenging and complex structures as the semester progresses. The vocabulary component focuses on words essential for college students.

Offering Location: Johnson Campus

ESL 1032 - Understanding & Using English Grammar & Vocabulary II

Credit(s): 3

This course builds on ESL 1031, enabling students to further master the correct use of grammar and vocabulary in written and spoken English. Students study intermediate-level grammar and add more challenging and complex structures as the semester progresses. The vocabulary component focuses on words essential for college students.

Prerequisites: ESL 1031

Offering Location: Johnson Campus

ESL 1040 - Editing Lab

Credit(s): 1

This lab deals with specific language-related problems such as syntax, grammar and usage that appear in students' written work. Students will focus on writing and rewriting essays that have been submitted in other classes.

Prerequisites: ESL 1021 or permission of instructor

Corequisites: Writing or writing-intensive course

Offering Location: Johnson Campus

ESL 1050 - Supplemental Instruction Bridge

Credit(s): 1

This course focuses on the study skills necessary for students to master the content of a disciplinary exploration course that is centered on interpretive assignments in reading and writing and on complex, language-based content and information. Course work is dovetailed to the syllabus of the content course. The course may be taken for up to four times, provided that each bridge course corresponds to a separate main category of disciplinary exploration course work (i.e., arts and humanities; natural sciences; anthropology, sociology, psychology; political science and economics). Pass/No Pass grading only.

Prerequisites: 500 TOEFL score or ESL 1021 or ESL 1022; and ESL 1031 or ESL 1032

Corequisites: Enrollment in GEC disciplinary exploration course

Offering Location: Johnson Campus

ESL 2910 - Independent Study in English as a Second Language

Credit(s): 1-12

Students plan and complete an approved independent study in consultation with their faculty supervisor.

Offering Location: Johnson Campus

Johnson - Hospitality & Tourism Management

HTM 2910 - Independent Study in Hospitality & Tourism Management

Credit(s): 1-12

Students plan and complete an approved independent study in consultation with their faculty supervisor.

Offering Location: Johnson Campus

HTM 3150 - Event Management

Credit(s): 3

This course focuses on travel and tourism in Vermont. The course begins with an exploration of the history of travel and tourism in Vermont beginning in the 1800's. From this foundation students learn about the infrastructure of the industry as it exists today. We explore the intricate relationship between state government and local government and non-governmental agencies and associations. This course gives students the opportunity to learn through hands-on research and direct interaction with industry professionals. Students are also expected to volunteer in a local or state tourism business for at least 50 hours during the semester.

Prerequisites: HTM 1010 ; BUS 2230

Offering Location: Johnson Campus

HTM 3710 - Special Topics in Hospitality & Tourism

Credit(s): 1-3

Current issues and advanced subjects in hospitality and tourism management are explored to complement the regular HTM curriculum.

Restrictions: Permission of instructor

Offering Location: Johnson Campus

HTM 4910 - Independent Study in Hospitality & Tourism Management

Credit(s): 1-12

Students plan and complete an approved independent study in consultation with their faculty supervisor.

Offering Location: Johnson Campus

Johnson - Outdoor Education & Recreation

OER 1000 - Introduction to Outdoor Education

Credit(s): 4

This course introduces students to the field of outdoor education through a variety of firsthand outdoor learning experiences in combination with classroom sessions. The course includes an introduction to historical and philosophical backgrounds of the field as well as career exploration. Integral to the course is participation in a range of adventure-based experiences, activities that emphasize an understanding and appreciation of the natural environment and outdoor learning experiences integrating various curriculum content areas.

Restrictions: Outdoor Education majors only, or permission of instructor

Offering Location: Johnson Campus

OER 1030 - Outdoor Education Activities

Credit(s): 0.5

Choices include snowshoeing, river kayaking, stand up paddleboarding, and fly-fishing.

Offering Location: Johnson Campus

OER 1050 - Hiking & Camping

Credit(s): 1

Students are introduced to outdoor living and travel skills. Topics will include personal preparedness, equipment selection, camp craft skills, outdoor cooking, basic land navigation, trip planning, low-impact practices and safety. This course includes a multi-day trip.

Offering Location: Johnson Campus

OER 1060 - Ropes Course

Credit(s): 1

Students have the opportunity to experience group-initiative problems, trust-building activities, and low and high ropes-course challenges. Students gain an understanding of how the ropes course is a valuable recreational, educational and developmental tool.

Offering Location: Johnson Campus

OER 1061 - Backpacking

Credit(s): 1

This course provides students with the skills and knowledge to safely participate in this recreational activity on their own. Topics include personal preparedness, equipment selection, camp craft skills, trip planning, low-impact practices, outdoor living skills and safety. This course includes a multi-day trip.

Offering Location: Johnson Campus

OER 1070 - Orienteering

Credit(s): 1

This course includes instruction in map and compass use for land navigation. Through practical outdoor experiences, students gain the skills and knowledge to participate in the recreational sport of orienteering and to aid them in wilderness travel.

Offering Location: Johnson Campus

OER 1131 - Rock Climbing I

Credit(s): 1

This course is designed to introduce students to technical rock climbing. The instruction focuses on personal preparedness, equipment selection and use, knot-tying, belaying and rappelling techniques, climbing movement, safety practices and ethics for climbing and the environment.

Offering Location: Johnson Campus

OER 1161 - Whitewater Kayaking

Credit(s): 1

This course is designed to enable kayakers to negotiate the challenge of whitewater, focusing on equipment, river dynamics and safety procedures. Students learn in controlled and off-campus locations.

Prerequisites: Introduction to River Kayaking (or equivalent kayaking experience and permission of instructor.)

Offering Location: Johnson Campus

OER 1162 - Coastal Kayaking

Credit(s): 1

This course is designed as an introduction to recreational kayak touring. Course content includes physical preparation, equipment requirements, paddling and self-rescue skills and minimum-impact techniques. It focuses primarily on the experience of lake touring and includes exposure to technical skill development. Students practice skills in the NVU-Johnson SHAPE Facility pool and partake in an off-campus field trip.

Offering Location: Johnson Campus

OER 1165 - Coastal Kayak Guide Training

Credit(s): 2

This is an intensive, multi-day program designed to expose students to the skills required to instruct and lead groups in open water kayaking conditions. The training focuses on the development of personal paddling skills, instructional tactics, sea "person"-ship, rescues, leadership and decision making. The course is a blend of dry land presentations and on-water practical sessions; since the goal is to expose students to a variety of sea states, the schedule will be dynamic and the days will be long and more often than not, wet. The majority of on-water sessions will be scenario driven and taught in the context of skills development tours, where students may function as the instructor/guide. Participants will have ample opportunity for self assessment, instructor assessment and peer assessment. In addition, students will be required to perform both written and practical skills assessments. The training may occur on inland bodies of water such as Lake Champlain, Vermont and/or on coastal waters. Students may have the opportunity to assess for nationally or internationally recognized paddlesport certifications.

Recommended: OER 1161; OER 1162

Restrictions: Must have kayaking experience

Offering Location: Johnson Campus

OER 1170 - Ice Climbing

Credit(s): 1

This course introduces students to technical ice climbing, focusing on personal preparedness for cold weather environments, equipment selection and use, low-impact practices and safety. Students will be taught in controlled and off-campus locations.

Prerequisites: OER 1131 or permission of instructor

Offering Location: Johnson Campus

OER 1330 - Nordic & Backcountry Skiing

Credit(s): 1

This course is designed as an introduction to the sport of Nordic skiing and backcountry ski touring. Course content will include the theory and methodology of skiing techniques, physical preparation and training for the activity, equipment requirements, proper selection and sizing of equipment, techniques and skills specific to Nordic and back country skiing, and most importantly, practice. Students will ski on and around the NVU-Johnson campus, and partake in a number of off-campus field trips.

Offering Location: Johnson Campus

OER 2050 - Rock Climbing Instructor

Credit(s): 2

This course serves as an introduction to the philosophy and principles of top rope climbing instruction. Emphasis will be placed on technical safety systems, site and participant management, and curriculum development. The intent of this course is to introduce students to the skills involved in basic top rope climbing programs found in camps, schools and outdoor centers. The in-the-field sessions will include bouldering, selection of equipment, anchor systems, rope management, climbing techniques and personal climbing experience.

Prerequisites: OER 1131; OER 2080 or permission of instructor

Offering Location: Johnson Campus

OER 2062 - Advanced Backpacking

Credit(s): 2

This course is designed to provide students with the opportunity to enhance their backpacking skills and experiences and to learn the intricacies of group leadership for backpacking. Topics will include route planning, equipment selection and care, meal and ration planning, group travel, decision-making, recognizing weather patterns and group safety. The field session of this course may include greater challenges than those found in the introductory backpacking course due to weather conditions, length of trip and/or terrain.

Prerequisites: OER 1061 or permission of instructor

Offering Location: Johnson Campus

OER 2080 - Advanced Rock Craft

Credit(s): 2

This course is designed to give students a wider breadth of knowledge and experience in the rock-climbing arena. This class will provide field days in which students will participate in a progression of skill development that will allow students to experience and learn safe and efficient techniques for rock climbing from basic movement to advanced anchor construction.

Prerequisites: OER 1131

Offering Location: Johnson Campus

OER 2140 - Ropes Course Leadership

Credit(s): 2

This course prepares students to lead groups in team building challenges, focusing on selected initiative tasks, trust building exercises and ropes course programming.

Offering Location: Johnson Campus

OER 2810 - Internship in Outdoor Education

Credit(s): 1-12

Students plan and complete an approved internship in consultation with their faculty supervisor. This shared course may have different prerequisites at the other VSC colleges.

Restrictions: Contract required

Offering Location: Johnson Campus

OER 2910 - Independent Study in Outdoor Education

Credit(s): 1-12

Students plan and complete an approved independent study in consultation with their faculty supervisor.

Offering Location: Johnson Campus

OER 3010 - Learning in the Outdoors

Credit(s): 4

This course involves the development and implementation of a program of outdoor education activities conducted for the sixth grade students of Grand Isle County at Camp Abnaki in North Hero, Vermont. Students develop instructional, recreational and counseling activities in various disciplines. Class preparation and planning sessions precede the weeklong residential component. A fee is charged for food service and facility usage during the May program.

Prerequisites: PSY 2070 or EDU 2365; and OER or PE Licensure Major; or permission of instructor

Offering Location: Johnson Campus

OER 3020 - Outdoor Program Planning & Administration

Credit(s): 3

This is a study of the principles involved in administering safe, high-quality outdoor education experiences, including program philosophy and goals, risk management and liability, fiscal administration and budgeting, organization and leadership and program evaluation. This shared course may have different prerequisites at the other VSC colleges.

Prerequisites: OER major or permission of instructor

Restrictions: Junior standing

Offering Location: Johnson Campus

OER 3070 - Adventure Education Theory & Practice

Credit(s): 3

This course explores the nature of the adventure participant's experience from a variety of theoretical perspectives including risk-seeking, motivation, fear, optimal arousal, self-efficacy, attribution, expectancy and flow theory. Also explored are experiential education, leadership theories as applied to adventure education and the ethics of adventure leadership. Students will participate in role playing scenarios, simulations and field trips to better understand the functioning of these theories in practice.

Prerequisites: Three OED activity courses

Restrictions: Junior standing

Offering Location: Johnson Campus

OER 3090 - Leave No Trace Master Educator

Credit(s): 3

This course provides students with comprehensive training in Leave No Trace skills and ethics through practical application in a field-based setting. The course combines classroom sessions with multi-day backpacking trips to learn how to teach and practice the principles of Leave No Trace. This course follows the internationally recognized standards of the Leave No Trace Center for Outdoor Ethics' LNT Master Educator Course, and, upon successful completion, students will have the ability to conduct Leave No Trace Trainer courses and awareness workshops for others. (Course satisfies OER major instructor course requirement.)

Prerequisites: OER-1061 or permission of instructor

Offering Location: Johnson Campus

OER 3150 - Winter Expedition

Credit(s): 3

This course is designed to develop the essential skills and knowledge associated with winter backcountry travel. Topics may include personal preparation; physical conditioning; equipment selection, use and care; backcountry touring and travel techniques; winter camping skills; shelter construction; thermoregulation and energy conservation techniques; snow science; avalanche assessment; route selection; trip planning; nutrition; and group management skills. Students will be expected to create an interdisciplinary aspect to the course by researching and presenting information on such topics as geology, glaciology,

mountain weather, cold weather injuries, ecology, etc. This course involves lecture and an extended expedition. Course topics, travel techniques and venue of the expedition may change annually.

Restrictions: Permission of instructor

Offering Location: Johnson Campus

OER 4030 - Wilderness Leadership Techniques

Credit(s): 4

This course provides practical applications of advanced skills of trip planning, logistics, risk management, group leadership techniques, effective instruction, expedition behavior and low-impact wilderness travel and camping practices. The course will include an extended field experience. Modes of travel used on the trips (backpacking, canoeing, snowshoeing, ski touring, etc.) will be determined by the time of year the course is offered.

Prerequisites: OER 2060 or equivalent; OER 2062; OER 3070

Restrictions: Junior standing

Offering Location: Johnson Campus

OER 4710 - Special Topics in Outdoor Education & Recreation

Credit(s): 3

The topics addressed in this course vary and are noted prior to the registration period.

Offering Location: Johnson Campus

OER 4810 - Internship in Outdoor Education

Credit(s): 6-12

Students plan and complete an approved internship in consultation with their faculty supervisor. Internship contract required.

Prerequisites: OER 3010 with an earned grade of C-,

Restrictions: Junior standing, 2.50 cumulative GPA, leadership documentation for Adventure Education & Wilderness Leadership concentration only, and faculty recommendation

Offering Location: Johnson Campus

OER 4900 - Research in Outdoor Education

Credit(s): 3

This course consists of a survey of research in the field of outdoor education, giving students a perspective on past trends as well as contemporary research themes. The connections of theory with practice will be explored. Students will design and carry out a simple outdoor education research project of their own.

Corequisites: MAT 2021

Restrictions: Junior standing; OED majors in Adventure Education & Wilderness Leadership concentration only; faculty recommendation

Offering Location: Johnson Campus

OER 4910 - Independent Study in Outdoor Education

Credit(s): 1-12

Students plan and complete an approved independent study in consultation with their faculty supervisor.

Offering Location: Johnson Campus

Johnson - Placement Track

PLE 0003 - English Placement, Level 3

Credit(s): 0

Students are placed in the appropriate level of English, ranging from 0001 to 0005, at the time of admissions based on courses taken in high school, grades earned in those courses, and/or SAT or ACT test scores. PLE-0003 indicates placement in the third level.

Offering Location: Johnson Campus

PLE 0004 - English Placement, Level 4

Credit(s): 0

Students are placed in the appropriate level of English, ranging from 0001 to 0005, at the time of admission based on courses taken in high school, grades earned in those courses, and/or SAT or ACT test scores. PLE-0004 indicates placement in the fourth level.

Offering Location: Johnson Campus

PLM 0001 - Mathematics Placement, Level 1

Credit(s): 0

Students are placed in the appropriate level of mathematics, ranging from 0001 to 0005, at the time of admissions based on courses taken in high school, grades earned in those courses, and/or SAT or ACT test scores. PLM-0001 indicates placement in the first level.

Offering Location: Johnson Campus

PLM 0002 - Mathematics Placement, Level 2

Credit(s): 0

Students are placed in the appropriate level of mathematics, ranging from 0001 to 0005, at the time of admissions based on courses taken in high school, grades earned in those courses, and/or SAT or ACT test scores. PLM-0002 indicates placement in the second level.

Offering Location: Johnson Campus

PLM 0003 - Mathematics Placement, Level 3

Credit(s): 0

Students are placed in the appropriate level of mathematics, ranging from 0001 to 0005, at the time of admissions based on courses taken in high school, grades earned in those courses, and/or SAT or ACT test scores. PLM-0003 indicates placement in the third level.

Offering Location: Johnson Campus

PLM 0004 - Mathematics Placement, Level 4

Credit(s): 0

Students are placed in the appropriate level of mathematics, ranging from 0001 to 0005, at the time of admissions based on courses taken in high school, grades earned in those courses, and/or SAT or ACT test scores. PLM-0004 indicates placement in the fourth level.

Offering Location: Johnson Campus

PLM 0005 - Mathematics Placement, Level 5

Credit(s): 0

Students are placed in the appropriate level of mathematics, ranging from 0001 to 0005, at the time of admissions based on courses taken in high school, grades earned in those courses, and/or SAT or ACT test scores. PLM-0005 indicates placement in the fifth level.

Offering Location: Johnson Campus

Johnson - Degree Requirements

GRS 2000 - Quantitative Reasoning Assessment (QRA)

Credit(s): 0

All baccalaureate- and associate-level students must pass Part 1 of the JSC Quantitative Reasoning Standard in order to graduate. Students may do this by taking and passing MAT 1080, Introduction to Quantitative Reasoning, or by taking and passing (60%) the Quantitative Reasoning Assessment (QRA). The QRA is a 90-minute, online assessment administered at least twice each semester in a computer lab. To take the QRA, students register for a specific section of GRS-2000. Dates and times will vary. It is recommended that students take MAT 1080 or the QRA during their first year at JSC.

Offering Location: Johnson Campus

GRS 3000 - The Information Literacy Tutorial (TILT)

Credit(s): 0

All baccalaureate- and associate-level students at NVU Johnson must complete The Information Literacy Tutorial (TILT) and score 80% or higher on each of the accompanying quizzes in order to graduate. TILT and the quizzes are available to students on the VSC Canvas site after registering for a section of GRS-3000.

Offering Location: Johnson Campus

Notes: *It is recommended that students take TILT during their first year at NVU Johnson.*

Johnson - Wellness & Alternative Medicine

WAM 2010 - Native American Healing - The Lakota & Shamanic Traditions

Credit(s): 1

This course will introduce students to Native American healing beliefs, technologies and practices through insight into Lakota traditions. American allopathic healing uses drugs and surgery to treat illness. Native American healing uses the metaphorical power of story, sacred relationships to animals and the land, and rituals such as healing circles where people share their collective stories of illness, to help people find their own way to healing. Students will have the opportunity to observe or participate in a traditional Native American Sweatlodge Ceremony.

Offering Location: Johnson Campus

WAM 2020 - Chinese Medicine & Acupuncture I

Credit(s): 1

Traditional Chinese Medicine and Acupuncture is one of the oldest forms of recorded medicine on earth. It is rooted in beliefs that the body is also part of the earth, with both in a balance of Yin and Yang to either permit the flow or block the flow of Qi -- the vital life/earth force. Yin represents cold, slow or passive life flow, while Yang represents hot, excited or active life flow. Both are needed to sustain a healthy life, in balance. Chinese Medicine offers a different vision of how to achieve good health than that of conventional allopathic medicine supported in America. Today, Chinese Medicine and Acupuncture are offered alongside conventional allopathic medicine in over 50 of the top U.S. hospitals.

Offering Location: Johnson Campus

WAM 2030 - Wellness Lifestyle & Career Seminar

Credit(s): 1

What challenges hold you back from being happy, healthy and successful? How will you fulfill your dreams for a good life and an exciting career? This course will provide opportunities to learn new skills and offer experiences to help you identify academic planning strategies and personal lifestyle plans to help you build the life you hope to live and the future careers you image when you graduate from college. Wellness & Alternative Medicine (WAM) is an interdisciplinary major where you take classes in several different disciplines to provide knowledge and skills for a diverse approach to social and cultural issues as well as to health and wellness. This seminar offers you opportunities, readings and exercises to identify what excites you and what challenges you as you complete your WAM degree. In this discussion-based seminar, you will meet WAM and Anthropology & Sociology seniors, share stories of your successes and challenges, and review books and films relevant to the "Quarter Life Crisis," as the unique stresses facing young people today are sometimes called, to help meet your life and career goals.

Offering Location: Johnson Campus

WAM 2040 - Introduction to Meditation

Credit(s): 1

In the 1960s, the Beatles brought Transcendental Meditation to the United States. Dr. Herbert Benson of Harvard University studied the physiological effects of people who meditated and found that people who meditated lowered their heart rate, their blood pressure, and their response to stress. Dr. Benson went on to call this the "Relaxation Response" and "Remembered Wellness". The National Institute of Health (NIH) Office of Complementary & Alternative Medicine (NCCAM) research supports meditation to reduce stress response through parasympathetic engagement, enhance healing of disease and foster wellness. Today, meditation is widely used in hospitals to reduce the stress of medical treatment. In this class, students will explore the history, practice, science and diverse forms of meditation that include: Native American Meditation, Transcendental Meditation, Mindfulness Meditation, Visualization Meditation, Tibetan Meditation, Walking Meditation and Therapeutic Meditation used for healing.

Offering Location: Johnson Campus

WAM 2050 - Herbs: The Medicine Garden

Credit(s): 1

This course focuses on the practical skills of wildcrafting (harvesting from the wild) and cultivating medicinal plants. We will explore sustainable options to harvest at-risk medicinal plants from their wild populations, such as organic cultivation, using substitute plants that offer similar medicinal activity to their at-risk counterparts, and support of ethical growers and harvesters. Cultivating medicinal plants and creating a medicine garden, as ways to grow one's own health-giving medicinal plants at home, are covered. The skill and technique of proper plant harvesting, drying, and storage as a sound basis for making high quality medicines are discussed. Students will visit Zack Woods Farm in Hyde Park to see a working herb farm in action.

Offering Location: Johnson Campus

WAM 2060 - Naturopathic Medicine

Credit(s): 1

Naturopathic medicine is primary care with an emphasis on prevention and natural therapies -- using a combination of homeopathy, nutrition, Chinese medicine, Ayurveda and Botanical. Naturopathic doctors are trained in 4-5 year medical schools to diagnose and treat most common health conditions using the most natural, safe and gentle therapies that work given the situation. Naturopathic doctors have recently been given legal status to practice medicine comparable to Allopathic medical physicians in the state of Vermont. A Naturopathic doctor can now be a patient's primary care physician who can prescribe pharmaceutical drugs, some surgical procedures and natural medical options for the treatment of disease. Naturopathic doctor medical services are now also covered by insurance. This course will cover the historical context, scientific background, training, scope of practice, regulation, appropriate use and therapies utilized in naturopathic medicine.

Offering Location: Johnson Campus

WAM 2070 - Massage & Bodywork

Credit(s): 1

This course will explore the diverse types of massage, basic concepts of massage therapy and professional credentials needed to practice as a massage therapist. Anatomy, physiology, body mechanics and various massage/bodywork modalities will be discussed in this concentrated, hands-on class. An overview of a massage therapy session including requisite professional ethics regarding touch, draping and privacy will be demonstrated.

Offering Location: Johnson Campus

WAM 2080 - Homeopathy I

Credit(s): 1

Homeopathy was created by Dr. Samuel Hahnemann who discovered a South American tribe that ate "chinchona bark" that cured malaria. He began examining this bark and noted that when he ate a small amount of it he developed similar physical symptoms to malaria. Thus developed the first principle of Homeopathy -- that like cures like. This course examines the history and principles of Homeopathic Medicine and its place in modern medicine today. Students will learn the fundamentals of this elegant, yet profound, medicine that has been used world wide for over 200 years. Of note, the FDA approved Homeopathy as a safe and effective treatment in 1940.

Offering Location: Johnson Campus

WAM 2810 - Internship in Wellness & Alternative Medicine

Credit(s): 1-12

Students plan and complete an approved internship in consultation with their faculty supervisor.

Offering Location: Johnson Campus

WAM 3010 - Living the Good Life

Credit(s): 3

The emphasis of this course is to explore diverse theories of stress, health and wellness by combining study with experiential learning focused on the actualization of stress reduction. Students will assess their own lifestyle conditions that support or undermine health while learning through direct experience specific ways to transform unhealthy behavior patterns through mindfulness, self-awareness, connection to nature, and easy to learn evidence-based skills for emotional regulation and stress reduction. Students will explore a variety of mind-body techniques including meditation, yoga postures, and yogic breathing. Students will explore the healing power of nature through ceremony, nature-based Rites of Passage, and medicine walks. The goal of this course is for students to gain skills necessary to begin, refine or deepen their own spiritual life while developing insight into compassionate and skillful ways to contribute to a globally conscious and sustainable lifestyle of health and wellbeing. This course will also prepare students to bring greater presence, ease and sustained care to personal and professional relationships in their lives.

Prerequisites: SOC 1040 or SOC 3080 or Permission of Instructor

Offering Location: Johnson Campus

WAM 3020 - Chinese Medicine & Acupuncture II

Credit(s): 3

Students will learn traditional concepts of Chinese medicine. They will study the scientific review of acupuncture for the successful treatment of autoimmune disease, cancer cardiovascular disease, knee osteoarthritis, weight loss and addiction to smoking. Students will learn the practice of Qi Gong used daily in China as a way to rebalance Qi. Students will learn advanced tongue assessment and pulse diagnosis as a feature of Chinese medical examinations. Chinese medicine is supported by the World Health organization to enhance wellness and reduce disease. The instructor will also share parts of his recent publication

on climate change to demonstrate how people's personal lifestyles are important to the larger issue of climate change.

Prerequisites: WAM 2020 or Permission of Instructor

Offering Location: Johnson Campus

WAM 3025 - Epigenetics: Diet, Lifestyle & Environment

Credit(s): 3

Epigenetics explores how modern diets, lifestyles and environmental toxicity may change the expression of our genes. How? By influencing a network of chemical switches within our cells collectively known as the epigenome. The ethical questions that are inherent in the study of epigenetics are important to discuss, explore and challenge. This course will investigate a new understanding of our bodies in terms of our genetic inheritance, our food choices, our lifestyle choices, and our environment ... and their impact on our longevity and others around the world.

Prerequisites: SOC 1040 or SOC 3080 or Permission of Instructor

Offering Location: Johnson Campus

WAM 3030 - Applied Herbal Pharmacology

Credit(s): 3

This course introduces students to the historical and cultural foundations, biochemical principles and clinical applications of drug pharmacology and herbal pharmacology. The pharmacology of synthetic drugs used in allopathic medicine and the pharmacology of herbal preparations as medicinal plants used in naturopathic medicine will be explored empirically for their strengths and weaknesses in treating disease. Students will learn experiential techniques to prepare different herbal preparations used for curative purposes. This course will use a disease-based approach to permit comparative study of the pharmacology of selected herbs and the pharmacology of synthetic drugs for their safety and efficacy in treating disease.

Restrictions: Permission of instructor

Offering Location: Johnson Campus

WAM 3040 - Mindfulness Meditation

Credit(s): 3

Mindfulness Meditation was introduced in America by Chogum Trunpa Rinpoche and his lectures were captured in his book *The Myth of Freedom and the Way of Meditation* in 1976. His lectures offered a mind-body connective approach -- versus a drug management approach -- to managing stress and suffering. His approach was supported by Dr. Herbert Benson's research in the early 1970s as per how meditation enhanced immune response by reducing the stress response. In the 1990s, Jon Kabat Zinn used Mindfulness Meditation as the basis for creating a natural pain treatment clinic in Massachusetts where people with advanced pain who could find no relief with traditional medical narcotic drugs or surgery could seek help. This course presents fundamental principles and practice of Mindfulness Meditation designed to mobilize mind/body energies for balancing and complementing personal health and spiritual wellness. Experiential exercises, journal writing, outside readings, home practice, and off-campus weekly meetings plus two 8-hour, day-long retreats highlight the course experience.

Prerequisites: WAM 2040 or Permission of Instructor

Offering Location: Johnson Campus

WAM 3050 - Herbalism, Wellness & Healing

Credit(s): 3

This course focuses on the study and practice of Western Herbalism, the use of plants to support human health and healing/recovery from an unhealthy state (disease). Therapeutic skills and guidelines, such as the relative safety-toxicity of medicinal plants, the prudent weaning of patients off pharmaceutical drugs, and the conscious observations that are made in order to assess one's health status, are covered. Two hotly debated issues in herbalism today, the licensing of practicing herbalists and the therapeutic use of standardized extracts, continue to be discussed as herbalism becomes more mainstream. The study of herbalism also embraces the study of the human body, system by system (or, in the case of the liver, organ), the anatomy and physiology of each system, the herbal material medica and lifestyle choices that support each system as well.

Prerequisites: WAM 2050 or Permission of Instructor

Offering Location: Johnson Campus

WAM 3060 - Healing All Wounds: Global Humanitarian Aid and Warzone Medicine

Credit(s): 3

Blurring the boundaries of allopathic and alternative medicine, of traditional and culture, and of personal beliefs, religions and war, this course takes students through the warzones of Iraq and Afghanistan and through the danger zones of Africa and Haiti on a global journey to heal all wounds. Students will examine the impact of cultural ethnocentrism. Is there a "right" way to treat the trauma of war and disaster? Students will learn how social stereotype of race, gender, and class across global nations may influence who is treated and what type of medicine is used to heal trauma. Students will explore their own fears, feelings and personal beliefs as they witness international healing and aid work through readings and visual media on controversial ethical issues on war, religion, class, race, gender, society and medicine for healing.

Prerequisites: SOC 1040 or SOC 3080 or Permission of Instructor

Offering Location: Johnson Campus

WAM 3070 - Massage, Science & Wellness

Credit(s): 3

Massage was introduced to America in the early 1900s. Back then, it was often associated with prostitution. Today, massage is one of the foremost healing therapies in Mind-Body medicine and the field of Psychoneuroimmunology. Massage is used together with allopathic medicine in some of the top Integrative Medical hospitals in the United States, including John Hopkins hospital and the Mayo Clinic. Massage has extensive evidence for enhancing immune response and reducing stress, for creating wellness and for reducing illness. Students will explore the science of massage, learn diverse massage techniques, and also personally experience massage as a tool for health and wellness. Reflexology, Swedish and Thai traditions will be the main focus of investigation.

Prerequisites: WAM 2070 or Permission of Instructor

Offering Location: Johnson Campus

WAM 3080 - Homeopathy II

Credit(s): 3

This course is designed for the intermediate student of homeopathy. Students should have completed Homeopathy I or the equivalent knowledge of the fundamentals of homeopathy. Students will complete an in-depth study of the 10 constitutional remedies and 18 acute and chronic remedies. As a class, we will practice case taking and prescribing with each other. We will learn how to make remedies and even do a trial "proving" experiment within the class. The class will focus on women's and children's common illnesses, allergies, the common cold, and the flu.

Prerequisites: WAM 2080 or Permission of Instructor

Offering Location: Johnson Campus

WAM 4810 - Internship in Wellness & Alternative Medicine

Credit(s): 1-12

Students plan and complete an approved internship in consultation with their faculty supervisor.

Offering Location: Johnson Campus

Johnson - Wood Furniture Design

WFD 1010 - Foundations of Furniture Design I

Credit(s): 9

This course introduces the student to the worlds of craftsmanship, fine woodworking, and furniture design. The student will acquire good habits for the safe use of woodworking machinery and hand tools and a strong knowledge of the foundational skills. Students will also gain an understanding of the concepts and terminology involved in woodworking and furniture making. Students will explore and develop a basic understanding of hand drafting, milling, project timelines, wood turning, and finishing principles. Each student will establish these skills through the design and construction of an Arts & Craft style nightstand with a dovetail drawer.

Offering Location: Johnson Campus

WFD 1020 - Design Studio I: Small Tables

Credit(s): 6

This studio-based, furniture-making class introduces students to the design considerations of designing while applying furniture-making principles. Each student will take on the challenge of conceptualizing, designing, and making a unique table piece. This course will also help students to solidify their ability to manage a furniture-making project successfully. Students will also be introduced to the critique process by participating in faculty-led peer critiques. Students will expand their knowledge of sketching, drafting, model-making, and design by hand. Instructors will introduce students to Sketch-Up 3-D, a modeling software, and students will use this software to model and create working drawings.

Prerequisites: WFD 1010 (or it may be taken concurrently)

Offering Location: Johnson Campus

WFD 2010 - Foundations of Furniture Design II

Credit(s): 9

In this concept-to-completion class, students will design and build a wall-hung cabinet to present at a final critique. Through taking on this project, students will learn the essentials of case construction and complex joinery. Students will also learn advanced furniture-making elements that will allow them to stretch their imagination with the addition of bent laminations and veneering techniques. In addition to final critiques, students will participate in faculty-led design critiques as they prepare to make their concept a reality.

Prerequisites: WFD 1010 and WFD 1020

Offering Location: Johnson Campus

WFD 2020 - Design Studio II: Casework

Credit(s): 6

In this studio, furniture-design course, students will learn to apply the design considerations and furniture-making principles of cabinet making to a creation of one's own design. Students will solidify their ability to manage a furniture-making project from concept to completion. Students will look to master their knowledge of sketching, drafting, and model-making. In addition, students will use Solidworks 3-D modeling software to model and create working drawings. Students will participate in a faculty-led peer critique at the end of the design phase and at the end of the semester.

Prerequisites: WFD 1010, WFD 1020, and WFD 2010; or these may be taken concurrently.

Offering Location: Johnson Campus

WFD 2030 - Business Practice and Marketing for Artisans

Credit(s): 3

You will learn the basics of running your own business, including bookkeeping and filing methods required for self-employment, and how to price your work. This will include a section on developing a system of tracking hours for each job, and how to utilize that information for pricing. You will discover how to develop a good portfolio, including basics of how to photograph your work in a professional manner, how to work with and edit digital images of your work, and how to create an online portfolio. Learn best practices of working with galleries, selling your work on the Web, handling commissions for custom work, and working with interior designers. Learn effective tools for marketing and promotion beyond Websites and the Internet, the different types of shows for selling your work, the details and logistics of participating in a show, including booth design. Learn the best methods for shipping your work, different approaches for setting up your first woodshop, general business planning, and scheduling your work.

Prerequisites: WFD 1010

Offering Location: Johnson Campus

WFD 2910 - Independent Study in Woodworking & Furniture Design

Credit(s): 1-12

Students plan and complete an approved independent study in consultation with their faculty supervisor.

Restrictions: By Permission (contract required).

Offering Location: Johnson Campus

Repeatable for Credit: Yes.

WFD 3010 - Thinking and Achieving Through Craft

Credit(s): 3

This interdisciplinary course delves into craft -- today, traditionally, and across cultures -- from technique to meaning, comparing it with art, design, and other endeavors. Through reading, writing, discussion, and critical analysis, we will examine theory, tenets, and craft work itself, as well as how craft is represented in various media. With a focus on contemporary woodworking and furniture making, but looking into and being receptive to what can be learned from other craft disciplines, the course aims to discover how the fundamentals of craftsmanship might be more generally understood and applied. We will consider all kinds of craft publications -- books, articles, documentaries, how-to DVDs. All participants are expected to contribute by bringing in ideas, writings, and visual materials (including our own handmade objects) for discussion and portfolio development.

Offering Location: Johnson Campus

WFD 3020 - Design Studio III: Chairs

Credit(s): 6

Students will learn to design and build a well-made, quality side chair. The chair must be aesthetically pleasing from all sides, incorporate compound angle joinery, and be comfortable and well-proportioned. Students will begin their design process by researching current and historical chair designs, and creating sketches of three potential designs. The final design chosen can be a derivative but not a copy of a classic chair, or a coherent blend of design elements from a number of styles to create something more unique. Students will hand draft full-scale drawings, proof out joint samples used in the design, build a full-scale mock-up that they can sit in and modify, and present all of this on week five at the design critique. Throughout the course there will be classes on various techniques used in chair construction.

Prerequisites: WFD 1010, WFD 1020, WFD 2010, and WFD 2020

Offering Location: Johnson Campus

WFD 4120 - Senior Project in Furniture Design

Credit(s): 6

This course gives students the opportunity and required guidance to demonstrate both the skills they have learned and the aesthetic they are developing in their furniture making. Students will design and construct one significant piece of furniture and write a paper that explains the decisions and influences that led to the design. All work must be completed on time and to a high level of proficiency.

Prerequisites: WFD 1010, WFD 1020, WFD 2010, WFD 2020, and WFD 3020.

Offering Location: Johnson Campus

WFD 4720 - Portfolio and Presentation

Credit(s): 3

Prerequisites: WFD 1010, WFD 1020, WFD 2010, WFD 2020, and WFD 3020.

Offering Location: Johnson Campus

WFD 4910 - Independent Study in Woodworking & Furniture Design

Credit(s): 1-12

Students plan and complete an approved independent study in consultation with their faculty supervisor.

Restrictions: By Permission (contract required).

Offering Location: Johnson Campus

Repeatable for Credit: Yes.

Performance, Art & Technology

PAT 1111 - Performance Art Practicum: Collaborative Boot Camp

Credit(s): 3

This is an introductory course in collaborative performance. We will look at performance artists from the 1930's until now and create our own work that is inspired by them. Some of these performance pieces will be solo works but most will be done in groups so that you learn to communicate complex creative ideas. This is a multidisciplinary course intended for musicians, theater and filmmakers, dancers, designers, and creative from all backgrounds.

Offering Location: Johnson Campus

PAT 2001 - Devised Performance Lab

Credit(s): 3

This lab course involves the rehearsal and performance of a major, faculty-directed theater production or equivalent theater performance. In order to receive full credit for this course, students must be cast in the semester production or fulfill a crew assignment. Students also may be expected to complete one academic exercise by production's end. This particular theatrical performance will be entirely original, devised by the students and faculty director. The focus will be multidisciplinary.

Offering Location: Johnson Campus

PAT 3010 - Sound and Light Design for Contemporary Performance

Credit(s): 3

This course is designed as a continuation of our introduction to design course for contemporary performance. This course focuses on how light, projection, and sound effect the ways that we experience live performance. The course looks at the use of light and sound in traditional theatre as well as dance, music, and experimental site specific/immersive experiences. Largely a practicum, students will begin experimenting on their own light and sound on day one of the course. This course will link with the faculty directed main stage show (devised, dramatic, or musical) and designs in this course may be used for that production.

Prerequisites: THA 3130

Offering Location: Johnson Campus

PAT 3050 - Podcast Storytelling

Credit(s): 3

This course is designed as an introduction to the craft of telling stories in the form of podcasts. Fiction and non-fiction stories have taken on a completely new life in podcast form. Not only is podcasting a multi-million dollar industry but it is a rich platform for writers, actors, directors, and general creatives to experiment and push the boundaries of what a story can be. This course will use the most groundbreaking podcasts as a framework to teach structure and mechanics of making a compelling podcast. The course will be focused primarily on each student creating their own series that they could publish and promote on their own.

Offering Location: Johnson Campus

PAT 3150 - Hitchcock's Smartphone: The Making of Psychologically Engaging Short Videos

Credit(s): 3

This course is designed as an introduction to the filmmaking style of Alfred Hitchcock. Through studying his work, we will learn how to create short videos that are compelling in a similar way. These films will be shot on our smartphones and edited on Adobe Premiere. No previous experience needed as we will learn the editing software and filming techniques in class.

Offering Location: Johnson Campus

PAT 3220 - Manipulate/Manipulated: Interactive Media in Performance

Credit(s): 3

This course is designed to introduce the performance artist to the concepts of interactive media. We will learn how to use programming software that teaches you to build applications and look under the hood of your computer to make it create exactly how you want it to. This course will teach you how to build interactive experiences that blend the "liveness" of performance with the compelling nature of multimedia.

Prerequisites: THA 3130

Offering Location: Johnson Campus

PAT 4001 - Devised Performance Lab

Credit(s): 3

This lab course involves the rehearsal and performance of a major, faculty-directed theater production or equivalent theater performance. In order to receive full credit for this course, students must be cast in the semester production or fulfill a crew assignment. Students also may be expected to complete one academic exercise by production's end. This particular theatrical performance will be entirely original, devised by the students and faculty director. The focus will be multidisciplinary.

Offering Location: Johnson Campus

PAT 4050 - History of Performance: Theatre, Music, Dance, and Design

Credit(s): 3

This course provides an intensive study of the history of performance from ancient Greece to the present day in theatre, music, dance, and design. Students will engage in research projects in their field of interest and learn how their findings interconnect with other aspects of performance in that time-frame. A through line that connects centuries-old performance to today will be discovered on multiple levels.

Offering Location: Johnson Campus

Climate Change Science

CLM 3061 - Survey of Climate and Statistics I

Credit(s): 2

This course is designed for Climate Change Science majors and introduces the study of climatology using statistical concepts. Topics may include atmospheric composition, controls of climate, atmospheric interaction with other climate components, energy balances, the hydrologic cycle, general circulation, and climate classifications. Statistical concepts include probability, numerical and graphical summaries, and re-expression. This course will additionally focus on effective science communication to help bridge the gap between the scientific community and the public.

Prerequisites: ATM 1212

Corequisites: MAT 1410 or a higher math course required for the major, or permission.

Offering Location: Lyndon Campus

Notes: *There is a course fee. This course is cross-listed with ATM-2062.*

CLM 3062 - Survey of Climate and Statistics II

Credit(s): 3

This course is designed for Climate Change Science majors and expands on the study of climatology and may include topics such as regional climates, natural and anthropogenic climate change and variability, coupling between the atmosphere and ocean, statistical forecasting, and climate modeling. Instruction applies additional statistical concepts, such as paired data exploration and significance testing, to various types of climate data to study spatial and temporal climate variability, teleconnections, and trends. This course will additionally focus on effective science communication to help bridge the gap between the scientific community and the public.

Prerequisites: CLM 3061

Offering Location: Lyndon Campus

Notes: *There is a course fee. This course is cross-listed with ATM-2062.*

Student Handbook

Student Life

Mission Statement

The mission of the Office of Student Life is to provide an environment which enhances student learning and individual growth by facilitating relationships and programs intended to develop characteristics desirable in an LSC-educated person. These characteristics include a commitment to civic responsibility, an appreciation for diversity, critical-thinking skills, an appreciation for life-long learning and the ability to develop healthy, productive relationships. This learning should occur within a secure living environment that encourages risk-taking, cooperation and responsible decision-making.

Value Statement

The Department of Student Life is committed to:

- Facilitating an environment which allows students to be academically successful
- Providing leadership opportunities for residents and other opportunities for involvement
- Providing inclusive programming which enhances classroom learning and challenges students intellectually, spiritually, physically and socially
- Creating communities which are free of harassment and bullying and are based on respect and an appreciation of differences
- Providing activities which allow students to build relationships with each other and lead to tight-knit communities
- Providing an environment in which students do not have to suffer the second-hand effects of alcohol and other substance abuse
- Creating a disciplined community which is fair and just
- Maintaining facilities which are secure, healthy and clean
- Creating opportunities for students to demonstrate civic responsibility to the LSC community and the community at large
- Creating opportunities for students to have fun
- Working collaboratively with Public Safety, Dining Services, Student Affairs, faculty and other departments on campus to provide an environment which maximizes student potential for personal and academic success

Philosophy Statement on Diversity

The Department of Student Life is committed to creating and sustaining a community that is characterized by sensitivity, acceptance and celebration of differences. We believe that communities are strengthened and enriched by the presence of diversity. To that end, we wish to create an environment which is welcoming to people of diverse ethnicity, ability, age, religion, gender and sexual orientation. We are committed to promoting such an environment through our interactions, programs and outreach to students.

We urge you to take this opportunity to learn more about those who are different from you. A willingness to learn about diversity results in increased awareness, strengthened friendships, rich experiences and greater insight. There is perhaps no greater place to explore new horizons than an institution of higher learning.

We are committed to confronting situations of intolerance that seek to destroy the spirit of acceptance and respect. Such acts are irreconcilable with the mission of our college. We urge you to do the same. We must each take responsibility to create a community where all members feel as if they matter and are respected and appreciated.

Expectations of Residence Hall Communities

A residence hall at Lyndon State College achieves community when:

- The residents within the community can identify each other by name and know something about each other
- The residents establish and foster working relationships with common goals
- The residents celebrate individual differences while forming a shared identity and common language
- The residents exhibit their mutual trust by looking out for the well-being of others
- Residents support each others intellectual and personal development
- The residents make sacrifices for the good of the community

The Office of Student Life at LSC expects to foster successful residence hall communities. To that end we will work toward:

- Residents and RAs who know each others names and some pertinent information about each individual
- Have residents who wish to stay involved in and return to that community
- Have residents who take pride in identifying with that community
- Have residents who take responsibility for their actions
- Respect the sanctity of the residence hall itself
- Establish a common goal to improve the life in the residence hall
- Have residents and leaders who work together in consensus
- Discover and respond to the needs of their residents
- Sustain the qualities necessary for academic success
- Grant opportunities for growth to all of their residence hall members
- Pledge to understand and celebrate the diversity inherent in the community

Residence Halls:

- Arnold/Bayley (Bayley 2nd floor- 24 hour quiet)
- Poland/Rogers
- Crevecoeur/Whitelaw (first year students under age 21)
- Wheelock
- Rita Bole Complex (21+ and gender neutral options available)

Vermont State College Student Housing Policy

Lyndon State Colleges Housing Policy complies with the Vermont State Colleges Housing Policy Number 304, approved September 24, 1983, by the Board of Trustees.

It is a condition of admission to Lyndon State College, to the extent that campus housing is available, that unmarried students, students not in a civil union, or whose legal domiciles are not within commuting distance are required to live on campus for two academic years (space permitting). Those accepted as sophomores are required to live on campus for one academic year. Once a housing contract has been signed, the agreement with the college is binding for a full academic year. The Director of Student Life or designee may authorize exceptions due to extraordinary circumstances. In practice, exceptions are granted in the following circumstances:

- Students who are age 24 or older
- Students who have achieved junior standing (according to credit hours)

- Students who are graduates of approved high schools (see list below) and will be commuting from their legal residence in that school district
- Students who have custody of their children
- Students who can document a medical reason for exception (physical or mental health, with documentation from a physician or mental health professional)
- Students who can document a compelling fiscal reason for exception (the Director of Financial Aid makes a recommendation based upon a significant change in financial circumstances since the signing of the contract or an assessment that the student is among the very small percentage of our most fiscally challenged students)
- Limited other cases merit special consideration, but these are very rare

The Director of Student Life, sometimes in consultation with the Dean of Students, hears requests for exception. The Dean serves as an appeal for students who are displeased with the Director's decision. After the opening of a semester, any student who moves out of college housing without the permission of the Director of Student Life or designee shall be financially responsible for the full term of the residence hall contract.

Commuting Distance for Off-campus Status (45 Driving Miles)

High schools acceptable for commuting students:

- North: North Country Union High School, Lake Region Union High School, Lyndon Institute
- South: St. Johnsbury Academy, Blue Mountain Union High School, Oxbow Union High School
- West: Danville High School, Cabot High School, Hazen Union High School, Twinfield Union High School, Craftsbury Academy
- East: Concord High School
- New Hampshire schools: Littleton High School, Woodsville High School, Lisbon High School, White Mountains Regional High School, White Mountains School, Haverhill High School
- Border Schools: Union 32, Montpelier High School, Spaulding High School

Student Life Policies, Procedures, & Regulations

1. Alcohol Policy (Also see section 8 of the Student Code of Conduct)

Lyndon State College strongly opposes the illegal and inappropriate use of alcohol. Violations of alcohol policy and regulations will result in judicial action which may result in sanctions up to and including dismissal from the college. The Lyndon State College Alcohol Policy is congruent with Vermont state law, local regulations, and the mission of the college and is promulgated to assure the appropriate distribution and consumption of alcoholic beverages on the campus. The administration and interpretation of the Alcohol Policy ultimately rests with the President or designee, who, in this instance, is the Dean of Student Affairs and the Director of Residential Life.

- 1.0 Basic regulations:
 - 1.1 Consumption of alcoholic beverages on college property is a privilege accorded under specified conditions to individuals of legal age according to Vermont Law, in areas defined as private domicile (i.e., individual student rooms and the President's house). Reasonable use shall not include kegs, cases, or BYOB parties.

- 1.2 Recognizing that not all individuals may choose to consume alcoholic beverages and recognizing the social emphasis of all events, any functions providing an alcoholic beverage must also provide two nonalcoholic beverages.
- 1.3 The sponsoring individual or organization must furnish information concerning the program, facility arrangements, food service needs, and the type and amount of beverages to be served, as directed on the Alcohol Permit and Event Registration Form. Forms are available from the Dean of Students.
- 1.4 All recognized organizations and sponsors of registered social events are prohibited from providing alcohol to minors. Consistent with, and related to this restriction, the serving of kegs, beer balls, and alcohol/punch drink may only be done by a licensed caterer (Sodexo). See 3.0 below for an explanation of the approved process.
- 1.5 Any event which includes alcohol as part of its program should focus upon the social nature of the event in its promotional campaign and not emphasize the sale or availability of alcoholic beverages at said event.
- 1.6 The safe occupancy level of the approved space must be determined and steps taken to insure compliance with the Fire and Safety Code of LSC and the State of Vermont.
- 1.7 No alcohol may be carried into or consumed in non residence hall areas, including outdoor areas and at intercollegiate athletic/intramural events, with the exception of approved designated areas (sec 1.1), without the submission and approval of the Alcohol Permit and Event Registration Form.
- 1.8 Scheduled events must remain within the approved designated area.
- 1.9 A charge of no less than \$100 will be billed to the organization sponsoring an event if the facility used is not properly cleaned within eight hours after the function has ended.
- 2.0 Residence Halls: (also see Section 8 of the Student Code of Conduct)
 - 2.1 Students who are age 21 or older may possess or consume alcohol in their residence hall rooms. In rooms where all residents are under age 21, alcohol may not be possessed or consumed. In no instance may the number of open alcohol containers in a room exceed the number of individuals who are age 21 or older and are in the room. An excessive number of empty containers being present in a room could lead to the presumption that those of legal age provided alcohol to individuals present who are under age 21. In residence halls which are designated as alcohol-free, and on floors of residence halls which are so designated, no alcohol may be possessed or consumed.
 - 2.2 No physical evidence of alcohol possession may be displayed or used as decorations which are visible in the window of a residence hall room.
 - 2.3 Only a reasonable quantity of alcohol may be present in a legal drinker's residence hall room. No kegs, half-kegs, quarter-kegs, beer balls, cases or other quantities in excess of what may be reasonably and safely consumed may be present.
- 3.0 Campus-Wide, Licensed Events:
 - 3.1 The sponsoring organization must complete and have approved the Alcohol Permit and Event Registration Form at least seven (7) days prior to the event, if scheduled in a licensed facility. For events not scheduled in a licensed facility, a minimum of fifteen (15) days advanced notice is required. These forms are available from the Dean of Student Affairs Office. Completion of the form indicates an understanding of the Alcohol Policy and a responsibility to fulfill the regulations therein.
 - 3.2 The sponsoring organization or individuals must assume financial responsibility for all associated costs (e.g., security, damages, etc.).
- 4.0 Responsibility and Liability

For any party or other event, the persons who sign the required application or registration forms are responsible for the safe conduct of the event. Staff persons involved in clearance procedures are responsible for ensuring that the event is conducted in a safe and acceptable fashion and for monitoring the event for the general safety of the participants. Situations determined to be in noncompliance with regulations of the Alcohol Policy may be immediately suspended by appropriate college staff. Responsibility for any adverse consequences that may occur as the result of a party or other event may implicate any person or group involved with that event, in particular those planning and monitoring its outcome. Any violation of this policy shall be reported to the appropriate dean.

2. Check-out Procedure

All students, with the exception of graduating seniors, must vacate their rooms within 24 hours after their last exam or at the designated time of hall closing, whichever comes first. Room keys must be turned in when the room is vacated or a \$25 charge per key will result. (The key must be returned to a designated hall staff member.)

If a room/suite is left unclean or unsanitary each occupant will be billed for cleaning (\$50 minimum).

If a student moves out of their residence hall room without properly checking out with a residence hall staff member, they will be billed \$50 for improper check-out.

3. Cohabitation/Guest Policy

Lyndon State College recognizes that residence hall students have a right to expect reasonable and appropriate privacy while residing in their rooms. The College also recognizes the necessity and importance of residence hall students respecting the moral standards and individual rights of roommates and suite-mates, especially as related to sensitive topics, such as sexual activity.

Under no circumstances may students live in a room other than the one to which they were assigned. A \$25.00 fine will be charged to any student who moves to a new room without permission.

The College does not condone cohabitation of residence hall students and at no time should a student have an overnight guest against the expressed discontent of a roommate(s).

Guests are allowed to stay no more than three days within a seven-day period. No guest may stay anywhere on campus for more than three days at a time. All guests must wait seven days after their registered date of departure before they can re-register. Residents are fully responsible for guests and their behavior. Hosts will be held responsible for policy violations committed by their guests. Guests must: 1) Obtain a guest registration form from the Residence Hall Director or Resident Assistant; 2) Have the roommate(s) sign the guest registration form; 3) Complete the guest registration form and have it signed by the residence hall director or resident assistant. Any policy violation committed by guest will result in disciplinary action for the host.

If a student feels aggrieved on this matter, the following should occur:

1. Students should tell roommates that they don't wish a third party in the room or that they feel uncomfortable with the sexual behavior in the room. If this fails, the roommate should make his/her hall director or resident assistant aware of the problem.
2. If the behavior continues, the residence staff member will then call both parties together to mediate the problem. At this time the roommate contract will be referred to, to assist in the mediation process.
3. If mediation fails, the Director of Student Life will be notified for further mediation or judicial action. If the Director of Residential Life is unavailable the Dean of Students may be notified.
4. Under no circumstances should a student feel that he/she is expected to tolerate roommate activities that are contrary to the reasonable standards of conduct expected of Lyndon State College students.

4. Cooking Facilities

Cooking is allowed only in kitchen facilities. The use of electrical appliances that do not comply with applicable fire codes and regulations is prohibited. Outdoor grills (other than those owned by Sodexo) can only be used if the grill is a minimum of 100 feet away from the buildings. Gas grills are prohibited, and no grill shall be stored in a student room or within 100 feet of any residence hall.

Students are responsible for keeping all residence hall kitchen facilities clean. The housekeeping staff does not wash dishes for you. Suites may be fined daily for failure to properly maintain their suite kitchenette area. Students may not use suite kitchenette areas to store empty bottles/cans of any kind. For a list of items that are not allowed on campus please click [Frequently Asked Questions](#).

Wheelock and Rita Bole common area kitchens- A variety of pots, pans and utensils are available to be checked-out for use from your RA or RHD.

5. Custodial Service

Custodial service is provided in the public common areas and bathrooms with the exception of the Rita Bole residence hall. Residents are expected to clean their rooms and must provide their own cleaning supplies. Vacuum cleaners are available from the hall staff. Personal items are not to be left in bathrooms and common areas. Students will be warned; however, disciplinary action will result or items will be discarded if students continue to leave personal items in common areas.

6. Damage Policy

Students are required to pay for damages to or theft of items from a room or a public or social area and its furnishings, including door locks/handles, as assessed by the Director of Student Life or the hall directors. All damages or theft occurring in residence areas will be divided equally among the occupants for the academic year, unless the Director of Student Life or hall directors are notified of the individual(s) specifically responsible and such liability can be verified or substantiated. All damage or theft which can be attributed to given individuals will be billed directly to them. Any student who wishes to appeal a damage charge must do so within five days of receiving notification of damage and subsequent charges. This appeal should be sent to the attention of the Director of Student Life in Rita Bole 304.

Students are responsible for the actions of their guests. Any damage done by a guest on campus will be the responsibility of the registered host. For a complete explanation of the guest policy, please see cohabitation/guest policy.

Furnishings supplied by the College may not be removed from a residence hall room or lounge area. Any student removing such items may be charged for the full replacement cost and be liable for disciplinary action, including a daily fine, in accordance with College and residence hall regulations.

Tampering with the cable TV system may result in a loss of service to the general residence hall community and is illegal according to Vermont law. Students found guilty of tampering with the cable TV system are subject to a fine and judicial action as appropriate.

7. Drug Policy (See section 3 in the Student Code of Conduct)

Lyndon State College condemns the illegal and inappropriate use of drugs. Violations of the drug policy will result in judicial action which may result in sanctions up to and including dismissal from the college. The possession of stimulants, narcotics, hallucinogens or any controlled or regulated drugs (except on a physicians or dentists prescription), is prohibited; as is the selling, bartering, exchanging or giving away of such drugs to any person not intended to possess them. Offenses involving the use and/or possession of drugs or drug paraphernalia will subject a student to disciplinary action by the college, and possible civil litigation or criminal prosecution. The college will cooperate with local, state and federal authorities in the elimination of illicit drug trafficking.

8. Firearms, Explosives, and Other Weapons (See section 2 in the Student Code of Conduct)

The possession of firearms, fireworks, explosives, knives or other weapons of any kind and replicas or facsimiles thereof (including paint and bb guns) is prohibited on campus or in residence halls as they pose a substantial danger to the safety of all

students. Please be advised that knives with a blade in excess of 3 are not permitted on campus. This also includes but is not limited to switchblades and butterfly knives with blades of any length. The term weapon also includes items that may be legal but which could be used in an illegal manner or which someone could perceive as placing them in danger of immediate harm (e.g., box cutter, pipe, etc.)

9. Hazing Policy

- Policy Statement - It is the policy of the Vermont State Colleges (VSC) that no member of the VSC community may participate or be involved in hazing. A student or employee will be subject to disciplinary action for: (1) engaging in hazing; (2) soliciting, directing, aiding or abetting, or attempting to aid or abet another person engaged in hazing; and (3) knowingly failing to take reasonable measures within the scope of the persons authority to prevent hazing. It is not a valid defense against charges of hazing that the student against whom the hazing was directed consented to or acquiesced in the hazing activity.
- Definition - Hazing means any act committed by a person, whether individually or in concert with others, against a student in connection with pledging, being initiated into, affiliating with, holding office in, or maintaining membership in any organization which is affiliated with the Vermont State Colleges or any member College thereof; and which is intended to have the effect of, or should reasonably be expected to have the effect of, humiliating, intimidating or demeaning the student or endangering the mental or physical health of a student. Hazing also includes soliciting, directing, aiding, or otherwise participating actively or passively in the above acts. Hazing occurs regardless of the consent or willingness of a person to participate in the activity. Hazing may occur on or off the campus of a member College of the Vermont State Colleges. Hazing shall not include any activity or conduct that furthers legitimate curricular, extracurricular, or military training program goals, provided that:
 1. the goals are approved by the member College; and
 2. the activity or conduct furthers the goals in a manner that is appropriate, contemplated by the member College, and normal and customary for similar programs at other educational institutions.
 3. Organization means an athletic team, association, corporation, order, society, corps, cooperative, club, or other similar group, whose members primarily are students at a member College, and which is affiliated with the College.

10. Keys

- Keys are assigned by residence hall staff members.
- If you lose your key, report it immediately to your hall director. Replacements are charged at a rate of \$25 per key.
- Students must return keys to a residence staff member when checking out of a room. Failure to return an original room or suite key when leaving at the end of the semester or academic year will result in a \$25 fine per key.
- It is against college regulations to have a residence hall key duplicated. It is also against college policy to loan your keys to anyone else. Tampering with locks and doors may result in a judicial hearing and a possible fine. Estimated cost of replacing a residence hall room lock is \$200.

11. Laundry

Laundry facilities are available in each set of residence halls. Machines are coin operated (some have a credit card swipe option). Change machines are also available in each residence hall. Please see your RHD if you have a problem with a machine so a work request can be submitted.

12. Lockouts

Students are expected to have their room keys and ID cards with them at all times. Residential Life Staff members should be contacted to open doors only under unusual circumstances. An excessive number of requests to have a student's room unlocked will result in disciplinary action. A fine of \$25.00 may be assessed after a student's third lockout.

13. Lost and Found

This service is handled by Public Safety.

14. Music/Noise Policy

Courtesy hours are in effect 24 hours a day on-campus. Courtesy hours require that all residents, no matter what time of day, consider the impact that noise levels from their room have on other residents.

Students should remember that the LSC residence halls are within close proximity of all academic buildings. Students should not play music outside of their windows or place speakers in their window. Violations of this policy will result in disciplinary action and/or confiscation of equipment.

Residents are expected to respect the rights of others with regard to noise levels. Violation of individual rights or established quiet hours will result in disciplinary action.

Quiet hours are maintained Sunday through Thursday from 10:00 p.m. to 9:00 a.m. and Friday and Saturday from 1:00 a.m. to 9:00 a.m. Quiet hours must also be maintained outside of all residence halls. Students who are repeatedly warned about loud stereo systems will have them confiscated. Use of sub-woofers and amplifiers is prohibited if excessive volume results.

Additionally, courtesy hours are in effect 24 hours a day. The second floor of the Bayley residence hall has a 24 hours quiet policy.

15. Pets

Pets (except for fish in aquariums that are not larger than 10 gallons) cannot be in residence halls under any circumstances. Students violating this rule will face disciplinary action.

The use of Service Animals must be approved by the Disability Services Coordinator and Director of Student Life. Requests should be submitted to the Disability Services Coordinator in Academic Support

16. Room Changes

All requests for room changes should be directed to the Office of Student Life or your Resident Hall Director. Changing rooms without proper permission is a violation of campus policy. Also, the Department of Student Life reserves the right to assign or reassign students as necessary- therefore, students should not arrange their room in such a way that another student could not move in if assigned (ie. beds pushed together or multiple wardrobes used for one person).

17. Room Decorations

Students are not allowed to paint their rooms or suites. Duct tape damages surfaces and is not allowed in the residence halls. Students are not permitted to use staples, tacks, screws or nails in their rooms. We encourage the use of blue painters tape to post any items on residence hall walls.

18. Room Limit

The state Fire Marshall's office requires that no more than 10 people be in a double or triple room at any time. No more than 5 people are allowed in a single room at any time.

19. Safety Restrictions

In order to ensure the safety of all residents, the rules listed below are strictly enforced. The following are not allowed:

- Storage of bicycles, motorcycles, furniture, skis or other items in residence hall corridors, stairwells, lounges or entry ways
- Throwing or dropping items from windows or down stairwells of any residence hall
- Waterbeds and personal beds
- Installation of outside antennas or other exterior devices on roofs or from windows Access to roofs or window ledges
- Custom lofts or furniture used in ways other than it was intended and the use of cinderblocks to raise beds.

20. Skateboarding, Snowboarding, Biking, and In-Line Skating Policy

LSC community members are prohibited from skateboarding, snowboarding, biking, or in-line skating on campus unless they are using a skateboard, snowboard, bike, or in-line skates as a form of transportation from one location to another. Trick riding on curbs, benches and buildings is strictly prohibited. These actions present a safety hazard and are very disruptive to others. Recreational riding is permitted in the skate park only.

21. Smoking Policy

There is a no smoking policy in all residence halls and in inner campus.

- 1.0 Purpose: Vermont law required that Lyndon State College have a smoking policy that either prohibits smoking or restricts smoking to designated smoking areas (parking lots). This policy prohibits smoking on the Lyndon State College campus except in specifically designated areas.
- 2.0 Statement of Policy: Smoking at Lyndon State College is restricted to designated campus parking lots only.
- 3.0 Responsibilities: All students, faculty, staff, and visitors are expected to abide by this policy. Violations will be reported to the Public Safety Department. Noncompliance with this policy may result in disciplinary action under the student code of conduct or the appropriate collective bargaining agreement/employee handbook.

Beginning July 1, 2018 Lyndon State (NVU-Lyndon) will be a tobacco free campus.

22. Snow Emergency Procedures

During snow emergencies, student-owned vehicles must be moved to designated areas so snow can be plowed. Notices declaring a snow emergency will be sent to you via LSC e-mail.

23. Solicitation and Concession

Students are not permitted to use their rooms for any commercial purposes. Soliciting in the residence halls, campus buildings or the grounds is prohibited, unless approved in writing by the Dean of Students.

24. Storage

The college is not able to store items for the summer. Students must remove all personal belongings from their rooms at the end of the academic year. During vacation and intercession periods, students should remove all valuables from their rooms. The college is not liable or responsible for losses.

25. Vacation Periods

Residence halls are closed for designated periods during the academic year. All appliances are to be unplugged, and the residential life staff inspects all rooms. During those breaks, students who have a work related, academic or athletic need to be on campus may submit a break housing request to be considered for break housing. This request should be submitted at least one week prior to break.

Students who stay for extra nights prior to the opening of the residence halls for the semester or during breaks without prior permission will be assessed a \$50.00 charge per night and will face further disciplinary action.

Care & Maintenance of Residence Hall Rooms

Energy Use, Recommendations & Warnings

The residential community saves energy by:

- Turning off lights when leaving a room, even for a short while.
- Turning off faucets completely.
- Reporting any leaking faucets to the residence hall staff.
- Using energy efficient light bulbs when available.
- Reporting excessive heat to the residence hall staff and keeping all windows closed during the winter.

Electrical Safety

The following are strictly prohibited:

- Unapproved cooking or heating appliances in individual room or suite areas
- Extension cords running under rugs and/or overloading of electrical outlets
- Tampering with any electrical or lighting fixtures
- Plugging in car batteries or heaters through windows or doors of residence halls
- Extension cords that are not UL rated, and heavy duty cords that are not three-wire grounded will not be allowed. (a UL-rated multiple outlet center with an on/off switch and pilot light with circuit breaker protection is recommended)

Fire

The following are strictly prohibited:

- Storage or use of flammable fluids in building
- Misuse of fire equipment
- Any open or enclosed flames and incense or candles
- Large fabric ceiling hangings that are not flat against the ceiling
- Wall hangings that are not flat against the wall
- Items which block egress from a room or suite area.
- Fire crackers
- Using wiring conduit to hang items from
- No more than 15 people in a triple, no more than 10 people in a double and no more than 5 people in a single at one time

The following list represents items that are acceptable in residence halls (They must be U.L. approved; no cooking appliances are allowed in the suite area).

- desk lamp dvd/vcr player
- small television
- blue painters tape (only adhesive allowed on residence hall walls)
- small microwave
- electric blanket
- electric shaver
- electric iron
- clock/clock radio
- small stereo
- floor lamp
- personal computer
- small refrigerator (6 cubic feet)
- coffee pot (not submersible)

Under no circumstances are the following items allowed in residence halls. Students are expected to use good judgment in the assessment of the safety of the items they bring to school (this is not an exhaustive list).

- toaster/toaster ovens
- flammable decorations
- hot plates
- electric fry pans
- decorative lighting
- broilers
- electric corn poppers
- immersion coils
- space heaters
- halogen lights
- incense candles (including wickless)
- lava lamps
- homemade lofts and cinder blocks
- live trees or boughs
- neon lights/signs
- duct tape
- plastic self-adhesive hooks
- lamps with insufficient shade material to protect from heat
- water balloons
- water guns

- paint ball guns
- snowballs
- firearms
- sling shots
- knives
- black lights

Room Entry & Search Procedures

While the college recognizes students' rights to privacy in their rooms and personal effects, students should be on notice that there are times when authorized college representatives may, without specific consent, enter their rooms unannounced and/or check for conditions or articles causing concerns, even in closed spaces. Room entry may occur for purposes of housekeeping, repairs and maintenance, or when there is reasonable basis for legitimate concern about the health, welfare or safety of any of those who occupy the room or other persons or when there is reasonable basis to believe that there may be a violation of college policies, rules or regulations. An inspection or search of closed spaces may occur when there is a reasonable basis, either existing beforehand or resulting from room entry, to justify the inspection or search because of legitimate concern about the health, welfare or safety of any of those who occupy the room or about other persons.

Examples of such reasonable basis may include but are not limited to: a leak that requires inspection of a closed space such as a cabinet or drawer, a standard safety check during break periods or the discovery upon room entry of evidence of violation of the law or school rules, including rules on drugs, alcohol or weapons. There are numerous other situations that could constitute reasonable basis to justify an inspection or search.

A staff member will not open a student's room if another student has requested the door be unlocked to retrieve borrowed items (such as books, laptops, class assignments, etc.). The staff has a responsibility to protect the privacy of the resident(s) of a particular room.

Fire Inspection

The Student Life and Maintenance departments of Lyndon State College may conduct fire inspections once a semester. The inspection will be done without notice and students' rooms may be entered without the occupants being present. If a student is notified of an infraction, he/she will have 48 hours to correct the problem or face judicial sanctions. The College reserves the right to remove any prohibited or illegal items if found upon entering a students room.

On a periodic basis, the State Fire Marshal's office inspects the residence halls. Again, if a student is notified of an infraction, he/she will have 48 hours or less to correct the problem or face sanctions by the college or the state.

Administrative Fines

These charges are assessed to students separate from the judicial process. They are listed here for informational purposes and is not an exhaustive list:

- Housekeeping violation - \$50 minimum
- Lost ID replacement charge - \$25
- Lost keys/keys not returned - \$25 per key
- Improper checkout - \$50
- 3+ lockouts - \$25

Procedures for Reporting Residence Hall Problems

- Maintenance Problems: See your residence hall staff member.
- Emergency: If your residence hall staff member is unavailable, contact the Residential Life Office, 8:00 a.m. to 4:00 p.m., Monday through Friday, at Ext. 6418. On weekends, evenings and holidays, contact Public Safety by dialing "6452" and wait for a telephone or radio response.
- Fire Emergency: If a fire occurs, set off an internal alarm (red pull box) and leave the building immediately. Call Public Safety at ext. 6452 from another building.
- Medical Emergency: Contact Lyndon Rescue at 911. For other medical problems, make an appointment with Health Services at ext. 6440.

LSC Directory

- Absences-Student | Student Affairs | RBC 304 | x6418
- Academic Support | LAC | x6210
- Project Excel | LAC | x6210
- Advising Resource Center | Library
 - Gateway | x4860
 - Career Services | x6441
- Admissions | Vail 305 | x6413
- Arnold/Bayley | RHD Office | Bay. 502 | x6326
- Athletics | Gym 104 | x6224
- Bills & Fees | Student Services | Vail 348 | x6396
- Bookstore Manager | Vail 204 | x6466
- Class Cancellations | Provost | x6767
- Change of Major | Registrar's Office | Vail 348 | x6396
- Change of Advisor | Registrar's Office | Vail 348 | x6396
- Commuter Concerns | Dean of Students | RBC 304 | x6418
- Counseling | Counseling Services | Brown House | x6440
- Degree Audit | Vail 352 | x6495
- Disabilities services | Academic Support | Vail 328 | x6210
- Drop-Add Procedures | Registrar's Office | Vail 348 | x6396
- Emergency Service | Ambulance | 911
- Emergency Service | Fire | 911
- Emergency Service | Public Safety | Vail 340 | x1111
- Facilities (scheduling) | x6498
- FAX (Students) | Bookstore | Vail 204 | x8967
- Financial Aid | Vail 374 | x6216
- Food Service / SODEXO | Dining Hall | x6266
- Health Services | Physician and P.A. | Brown House | x6440
- Housing | Residential Life | RBC 304 | x6418
- Information | Switchboard | Vail 332 | x0
- Insurance-student | Student Services | Vail 348 | x6396
- Intramural Programs | Gym 102 | x6242
- Keys | Tom Archer | Maintenance | x6454
- Library Information | Library | x6450
- Library Circulation | Library | x6447
- Lost & Found | Public Safety Vail 340 | x6452
- Mailroom | Vail 109 | x6473
- NEBHE Eligibility | Admissions Office | Vail 308 | x6413
- Registrar | Vail 348 | x6396
- Newspaper (LSC) | Critic Office | Vail 203A | x6215
- Parking Permits/Fines | Vail 340 | x6432
- Payroll-student | Vail 369 | x6461
- Public Safety | Vail 340 | x6432
- Poland/Rogers | RHD Office | x1740
- Pool Info | Gym 102 | x1320
- Pool Schedule | x6769
- President's Office | Vail 368 | x6404
- Academic Dean's Office | Vail 365 | x6406
- Registration | Registrar's Office | Vail 348 | x6396
- Residential Life | RBC 304 | x6418
- Rita Bole | RHD Office | x1740
- Student Activities | Vail 218 | x6363
- Students' Rights | Dean of Students | x6418
- Dean of Students | RBC 304 | x6418
- Student Government Association | Vail 218 | x6483
- Study Abroad Options | Vail 324 | x6210
- TDD Number for Hearing Impaired | 802-626-6273
- Training Room | G13/G15 | x6362
- Transcripts | Registrar's Office | Vail 348 | x6396

- I.D. Cards | Public Safety | Vail 340 | x6432
- Info. technology | Help Desk | Library 213 | x6456
- Transfer Evaluations | Vail 348 | x4852
- Vehicle Reservations | Maintenance | x6454
- Veteran's Affairs | Vail 348 | x4851
- Weather Phone Recorded Message | x6421
- Wheelock/Gray House | RHD Office | Wheelock 103 | x6324
- Whitelaw/Crevecoeur | RHD Office | Whitelaw 601 | x6324
- Withdrawals | Registrars Office | Vail 348 | x6396
- Work study eligibility | Vail 348 | x6217
- Work Study Jobs | Career Services | Vail 316 | x6441
- LSC Homepage | <http://www.LyndonState.edu>

Student Rights & Responsibilities

Philosophy & Focus of the Conduct Administration Process

The Student Code of Conduct promotes the necessary order, safety and security of the Lyndon State College community. The mission of Lyndon State College's conduct system is to function as an educational process. The goals of the conduct system are:

- To promote a campus environment that supports the overall educational mission of the college.
- To protect the college community from disruption and harm.
- To encourage appropriate standards of individual and group behavior.
- To foster ethical standards and civic virtues.

The conduct system fulfills its mission by providing programs and services that:

- Develop, disseminate, interpret and enforce campus regulations.
- Help students to model appropriate behavior.
- Intervene effectively when behavior violates the Code of Conduct.
- Offer educational and leadership opportunities for students who participate in the operation of the conduct system.

Student Code of Conduct & Conduct Administration Procedures

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Student Code of Conduct and Conduct Administration Procedures

- Article I: Judicial Authority
 1. Any member of the college community may report violations of the code directly to public safety, residential life staff or any other official of the college. This does not preclude action under the code where information initially came from one who is not a member of the college community. A public report form is available on the Portal.
 2. The Residence Hall Directors, Director of Student Life, Dean of Students or designee have the judicial authority to assess sanctions in accordance with Article III, Section B.
 3. Appeal: See Article III, Section A (3).
- Article II: Jurisdiction and Proscribed Conduct
 1. Jurisdiction of the College - All students are expected to conduct themselves as responsible members of the college community and to respect the rights of their fellow citizens on and off campus. Any departure from these standards, which can be shown to be injurious to the college's pursuit of its normal activities, will be defined as a violation of the rules or regulations specified in Lyndon State College's Code of Conduct.
 2. Conduct: Violations of the Code of Conduct include, but are not limited to, the behavior outlined below. Beyond the Code of Conduct, the administration may, at its discretion, bring charges against any student who engages in dangerous behavior and is in serious violation of the college's rules and regulations. Any student found to have engaged in such conduct is subject to the disciplinary sanctions outlined in Article III.
 1. Section 1. Behavior which threatens or endangers the health or safety of oneself or others, whether actual or implied, or results in personal injury to oneself or others. This includes disorderly conduct, including but not limited to public intoxication, lewd or indecent or obscene behavior, libel, slander, simple assault, verbal conduct, racial or sexual slurs, threats, intimidation, harassment and hazing against any member of the college community including faculty, staff and students.
 2. Section 2. Illegal or unauthorized possession or use of any type of weapon or firearm, including but not limited to BB or pellet guns, paint guns, water guns, sling shots, explosive fireworks, combustibles, knives (longer than 3" or have a concealed blade), compound bow-and-arrows or other weapons or instruments which could be used to inflict injury, or which might cause a person to believe he or she may be in danger of being harmed.
 3. Section 3. The possession, solicitation, sale, distribution, or use of any illegal drugs or substances, including credible supporting evidence indicating drug use, and/or the possession of drug-related paraphernalia (e.g. syringes, hookahs bongs, pipes, rolling papers not accompanied by loose tobacco, etc.). Possession of prescription drugs by a Lyndon State College student who does not have a medical problem which would require their use and where such substances have not been prescribed by a physician entitled to make such prescriptions. The use of legal substances in an illegal manner (e.g., aerosols, chemicals, etc.) and the possession/use of salvia is also prohibited
 4. Section 4. Trespassing or unauthorized presence in or on any college-held or college-related property and/or building.
 5. Section 5. Attempted or actual theft of college property or property of a member of the college community (i.e., faculty, staff, students, visitors, contractors and vendors). This includes theft of services or unauthorized use of college premises, facilities, vehicles or services, including but not limited to vending machines, college academic and/or library resources.
 6. Section 6. Vandalism, defacement, damage to or careless use of any part of the college premises or the personal property of the college or any member of the college community (i.e., faculty, staff, students, visitors, contractors and vendors). This includes, but is not limited to, vending machines and college academic and/or library resources.
 7. Section 7. Violations of any federal or state law or local ordinance which could be construed as an endangerment or a violation of state alcohol and drug laws. These may result in prosecution and sanctions by civil authorities. However, violations which adversely affect the interests and

reputation of the college may result in disciplinary action being taken against any student by the college itself, independently of civil authorities.

8. Section 8. The use or possession of alcohol by persons under 21 years of age; providing person(s) under the age of 21 with alcohol; the consumption of alcohol in a public or communal area (e.g., parking lots, athletic fields, classroom buildings, lounges and suite hallways in residence halls); being in possession of or being in the presence of a beer keg or ball, case of beer or tap system. Students over 21 may not be present in a room with minors if there is alcohol present in the room unless the students are roommates. Students under the legal drinking age can't remain in a residence hall room where alcohol is present unless the students are roommates. In any case and for any reason, this does not permit alcohol consumption by roommates under the age of 21. Persons who are of legal drinking age may possess 750 ml. of hard liquor, one 12 pack of beer or two 750 ml. bottles of wine. No open containers, including empty cans and bottles or any cans and bottles used as decorations, are permitted in any student rooms or suites.
9. Section 9. Tampering with any mechanism which is part of the fire alarm system, a fire extinguisher, smoke detector, or any other piece of fire-fighting equipment, including willfully causing a fire, or a fire alarm to sound, and failing to evacuate a room or building when required.
10. Section 10. Furnishing false information to the college; engaging in forgery, alteration or improper use of any college record, key(s), identification card, or other document; withholding information a student knew or reasonably should have known to disclose to the college; or information which has been requested by a member of the college community who is authorized to request such information.
11. Section 11. Failure to comply with directions of, or interference with, any college official, faculty or staff member (i.e., residence life staff member) including the failure to properly identify oneself or to produce an identification card when requested to do so.
12. Section 12. Violations of the general residence hall policies and procedures including, but not limited to, the following:
 - a. Possession of illegal items prohibited by law or college policy (the presence of such items in a student's room is considered possession);
 - b. Violation of guest policy and/or violations of the Code of Conduct by guests;
 - c. Violation of quiet hours and/or disturbing others during non-quiet hours- this includes playing speakers out of a res hall window;
 - d. Unauthorized alterations of a room including painting, construction of lofts, etc.;
 - e. Evidence of possession of pets except fish;
 - f. Failure to attend a mandatory floor or hall meeting without an excused absence;
 - g. Violation of fire/safety regulations (e.g., tapestries not flat against a wall, egress or access to room being blocked or partially blocked);
 - h. Excessive non-college-issued furniture in the room that may pose a fire hazard or affect egress or access to and from the room;
 - i. Improper utilization of cooking equipment in rooms/suites;
 - j. Improper disposal of trash;
 - k. Throwing items out of windows;
 - l. Participating in hallway sports;
 - m. Possession of candles, incense, and/or open flames;
 - n. Significant interference with the normal residence life of others;
 - o. Persons of the opposite gender in other gender bathrooms;
 - p. Smoking in a residence hall room or any common area of a residence hall or smoking in an area other than a designated parking lot.
 - q. More than ten people in a residence hall double or triple room, over 5 in a single room at one time and/or an excessive number of people in a residence hall room;
 - r. Violations of the outdoor riding and skating policy.
 - s. Possession of college lounge furniture in a residence hall room and/or improper use of furniture- ie. taking it apart or removing it from your room.
13. Section 13. Participation in a campus demonstration which adversely disrupts the normal operations of the college and which poses a threat to the safety of the college community and

property. This also means intentional obstruction that unreasonably interferes with freedom of movement, either pedestrian or vehicular, on campus.

14. Section 14. Theft or other abuse of computer time or phone service including, but not limited to:
 - a. Unauthorized entry into a file for any purpose, including to use, read or change its contents.
 - b. Unauthorized transfer of a file (not including personal files).
 - c. Unauthorized use of another individual's identification and/or password.
 - d. Use of computing facilities to interfere with the work of another student, faculty member or college official.
 - e. Use of computing facilities or phone service to send threatening, harassing, obscene or abusive messages.
 - f. Use of computing facilities to interfere with the normal operations of the college's computing system.
 - g. Fraudulent use of phone service.
 - h. Use of phone system to interfere with the normal operations of the college's phone system.
 - i. Violation of any Vermont State Colleges' computer policy;
 - j. Use of an unapproved wireless router.
15. Section 15. Compromising the security of the card access or locking system including, but not limited to, the following:
 - a. Using another person's ID card to gain access to any building, facility or services.
 - b. Tampering with and/or vandalizing any locking or card access equipment.
 - c. Propping any residence hall entrance or exit door is prohibited.
16. Section 16. Abuse of the judicial system, including, but not limited to:
 - a. Failure to respond to written summons letter of college official(s) within specified time frame.
 - b. Falsification, distortion or misrepresentation of information before hearing officer or appeal board.
 - c. Disruption or interference with the orderly conduct of a judicial proceeding.
 - d. Failure to comply with sanctions as specified.
 - e. Making false charges.
 - f. Attempting to discourage an individual's participation in, or appropriate use of, the judicial system.
 - g. Attempting to influence the impartiality of the hearing officer, hearing panel, or Judicial Appeals Committee members prior to, and/or during the course of, the judiciary proceeding.
 - h. Harassment (verbal or physical) and/or intimidation of hearing officer, hearing panel, or Judicial Appeals Committee prior to, during and/or after a judicial proceeding.
 - i. Influencing or attempting to influence another person to commit an abuse of the judicial system.

3. Violations of Law and College Discipline

Students are expected to abide by local, state and federal laws. The institution will provide no sanctuary for those who violate such laws, and the college reserves the right to discipline students charged with criminal violations. While most disciplinary action will result from alleged infractions of college rules that occur while the student is on the campus, students involved in off-campus incidents which pose a danger or threat to the safety of others may also be charged through the college's disciplinary procedures if it is judged by the President of the college that the alleged incident jeopardized the college's positive relationship to the local community or if there are grounds for believing that the student may pose a threat to the safety of self and/or others or to the integrity of the educational function of the college.

College disciplinary proceedings may be instituted against a student charged with violation of a law or regulation that is also a violation of this code. Proceedings under this code may be carried out prior to, simultaneously with or following any civil or criminal proceedings off-campus.

- Article III: Conduct Administration Proceedings

1. Charges & Hearings - Members of the college community who file conduct charges against a student for misconduct must contact the Student Life or Student Affairs offices. Charges will be prepared in writing by the Student Life Office and submitted to the Public Safety Office for public logging purposes. Any charge must be submitted within five business days (Monday through Friday) of the realization and/or discovery of the alleged violation, exclusive of holidays. This time limit does not include charges as a result of criminal acts which involve off-campus law enforcement authorities or if existing laws prohibit this time limit or if existing college policies have a different time limit (e.g., VSC Policy 311 €" Non-discrimination and Prevention of Harassment and Related Unprofessional Conduct).
2. First Step: Conduct Hearing Officer - The Dean of Students or his/her designee will conduct an investigation to determine whether the charges are meritorious. The hearing officer or hearing panel will issue a judgment and a sanction. Sanctioned hearing officers include Residence Hall Directors, the Dean for Students, and the Director of Student Life. The standard of proof shall be a preponderance of the evidence. All decisions will be presented to the accused student in written form. Alleged violations of the Code of Conduct can result in the filing of conduct charges.

Important Information Regarding the Code of Conduct

1. A Lyndon State College student who may be responsible for any behavior or misconduct that is a violation of the Code of Conduct and is subject to disciplinary action shall be afforded due process that is appropriate for college judicial matters.
2. These regulations at the college are set forth in writing in order to give students general notice of prohibited conduct. The regulations should be read broadly and are not designed to define misconduct in exhaustive terms.
3. The provisions of the Code of Conduct are not to be regarded as a contract between the student and the college. The college also reserves the right to amend any provision herein at any time.
4. Any behavior which may have been influenced by a student's mental state (irrespective of the ultimate evaluation) or the use of drugs or alcoholic beverages shall not in any way limit the responsibility of the student for the consequences of his or her actions.
5. Sanctions
 1. Interim Sanctions
 - a. Interim Conditions - The college recognizes that students may be accused of offenses that may present a danger of the potential for serious harm to the accused or to other members of the college or surrounding community. In such cases, the appropriate college official may impose temporary sanctions pending a hearing by a hearing panel.
 - b. Immediate Suspension from Housing; Suspension or Dismissal - Under the circumstances listed below, the Dean of Student Affairs or a designee may impose a suspension from housing, college suspension or dismissal or residence hall suspension or dismissal.
 1. Immediate suspension or dismissal may be imposed only:
 1. To ensure the safety and well-being of members of the college community or preservation of property;
 2. To ensure the student's own physical or emotional safety and well-being;
 3. If the student poses a definite threat of disruption of, or interference with, the normal operations of the college.
 2. During the suspension or dismissal, students will be denied access to the residence halls and/or to the campus (including classes) and/or all other college activities or privileges for which the student might otherwise be eligible, as one of the deans may determine to be appropriate.
 3. This type of interim sanction will result in the case being heard by a hearing panel within ten business days of the interim sanction.
 2. Range of Sanctions - The following sanctions may be imposed upon any student found to have violated this code. Any combination of sanctions listed in this section may be imposed for any single violation. Sanctions are not necessarily progressive in nature. A first serious violation could result in suspension or dismissal from the college. This is not an exhaustive list:

- a. Verbal Warning: In instances of minor deviations from the LSC Code of Conduct, the student may be formally warned of possible consequences of continuing such behavior. No other specific action is taken unless further misconduct occurs.
- b. Disciplinary Warning: A written notice to the student that certain behavior is inappropriate.
- c. Fines: Fines may be assessed and the amount will reflect the degree of seriousness of the violation. All fines are considered legitimate debts to the college, and nonpayment may result in any of the following penalties: prevention from continuation in classes, and/or prevention from attending the graduation ceremony, receiving diploma and receiving copies of student transcripts and records. Damage fines will go to replace or repair the damage.
- d. Judicial Work Hours/Restitution: This action requires students to perform a specified number of work hours on or off campus at a community agency. Failure to work the assigned hours shall result in a fine twice the amount of the value of the hours of said work figured at the current minimum wage.
- e. On-line Certificate Program: This sanction requires students to enroll in a predetermined on-line course. Students have to pass the course by at least 80% or retake the course until they do score at least 80%.
- f. Disciplinary Probation: A period of time during which a student's behavior is subject to close examination. Students who are found responsible for further violations are subject to greater sanctions including residential suspension or dismissal or suspension or dismissal from the college.
- g. Loss of Privileges: Denial of specified privileges for a designated period of time. This includes, but is not limited to, any and all privileges pertaining to campus housing, operating and parking motor vehicles, use of other college facilities, visitation, or use of any campus facility or service as well as participation on athletic teams or clubs and organizations. This also includes access to the library, computer labs and campus activities.
- h. Restitution: Compensation for loss, damage, or injury may take the form of appropriate service and/or monetary or material replacement.
- i. Counseling Services: Students who violate alcohol and other drug policies on campus and/or demonstrate the need for emotional support by violating the Code of Conduct can be mandated to meet with a college counselor on campus.
- j. Residence Hall Suspension or Dismissal: Indicates that a student is not eligible to live in or visit the residence halls. It may be for a specific length of time, it may be permanent, and it may be limited to a specific residence hall or applied to all residence halls. Campus visits may be restricted to academic areas only. Housing and meal fees will be prorated.
- k. Completion of Substance Abuse Counseling/Treatment or Personal Counseling Program: Successful completion of an approved alcohol/substance abuse and or personal rehabilitation program off campus may be required as a condition for continued matriculation and/or readmission to the college. The financial responsibility of the cost belongs to the student who is sanctioned.
- l. College Suspension: Suspension from the college is traditionally for a period of one year, but may be for lesser or greater periods of time. Suspension may take effect immediately upon the dean's decision and includes suspension from classes, residence halls and all campus visitations, unless specifically authorized. Any student arrested by the civil authorities and charged with a felony may be immediately suspended from classes, pending further decision by the Dean of Student or designee. Tuition is refundable according to the published schedule set by the federal guidelines and adhered to by the Business Office of the college.
- m. College Dismissal: Permanent separation of the student from the college. Tuition is refundable according to the published schedule set forth by federal guidelines and adhered to by the Business Office of the college. Students who harm or have the potential of harming others will be disciplined and may forfeit their right to be members of the college community. If a situation warrants such action, completion of course credits will not guarantee students a degree.

6. Disciplinary Guidelines

Students shall be notified in writing within 72 hours in advance of a hearing by the appropriate college official that they are accused of a violation. The letter shall be delivered by campus, U.S. mail and/or e-mail-

or, if necessary, hand delivered and will detail the charges made against them. Students may elect to waive the right to 72 hours notice by signing a release to that effect. Hearing procedures are as follows:

1. Generally, the hearing shall be conducted within fifteen business days by the designated college official.
2. Hearing panels hear only cases involving interim sanctions or cases with potential for eviction or suspension or expulsion and only if the accused student is not already on probation.
3. The decision reached by a hearing panel or hearing officer shall be communicated in writing to the student by the Dean of Students or his/her designee.
4. The designated hearing officer shall generally, within five business days after receiving the hearing panel's recommendation, render a written decision in the disciplinary matter consisting of findings of fact, sanction(s) and reasons therefore which shall be included in the student's record.
5. Hearing Guidelines and Procedures
 - If alleged violations result in a hearing, students will be so informed and the following guidelines shall apply:
 1. Students are required to appear in person at the hearing and present their defense. If a student does not appear, the hearing shall be held in his or her absence. For students who choose to have an inactive role, the hearing officer/panel may draw inferences or conclusions from documentary evidence that responsible persons are accustomed to relying on in serious matters. Students who fail to appear at hearings waive their right to an appeal.
 2. Accused students are entitled to an advisor. The advisor may speak only to the student advisee. An advisor of their choice may not conduct a "defense" nor speak on behalf of the accused student nor make any presentation to the hearing officer or panel. In the event the student selects an advisor who is an attorney, the college may also have an attorney present at the hearing. If an attorney or advisor is attending the hearing, the college needs to be notified 72 hours in advance of the hearing. They may not speak directly to the hearing officer/panel.
 3. Both the aggrieved and accused student shall be entitled to ask questions of the hearing officer(s) and any witnesses and to testify on their own behalf. An aggrieved student can choose to present his/her own case or ask the college to present the case on his/her behalf. All questioning shall be monitored by the hearing officer/panel in order to maintain reasonable order and decorum. The college must be notified 24 hours prior to the hearing if the accused student is bringing witnesses. Likewise the college must inform accused students of witnesses 24 hours in advance.
 4. Strict rules of evidence shall not apply to disciplinary hearings. Oral and documentary evidence may be received and considered if it is the kind which responsible persons are accustomed to relying on in serious matters. The hearing officer/panel may, however, exclude irrelevant or unduly repetitious evidence. The hearing officer/panel shall make all rulings on evidentiary questions.
 5. The accused student and case presenter may be present throughout the hearing but shall be excluded from the deliberations of the hearing officer/panel.
 6. Upon written request, a tape recording of judicial hearings shall be made. If a student requests a tape recording of the proceedings, the principals may have access to the tapes for the purpose of review relating to an appeal. Such tapes shall be kept by the college and will remain on campus until all appeal rights have been exhausted, at which time they will be erased.
 7. All hearings will be conducted with due regard to the right to privacy as provided for in the Family Educational Rights and Privacy Act of 1974. Names of students involved in a disciplinary hearing shall not be released except as permitted by law.
8. Hearing Officer or Panel Format
 - a. Call to order
 - b. Introduction by hearing officer or hearing panel members
 - c. Challenge to members of the panel for bias (Panel only)
 - d. Reading of the charges by the hearing officer and citing of the regulations violated
 - e. Presentation of the colleges case by the judicial officer
 - f. Presentation of the college's witnesses (Witnesses for the college and the accused are called into the hearing one at a time and questioned individually)
 - g. Questioning of the judicial officer and the witnesses by the accused student
 - h. Presentation of the case by the accused student
 - i. Presentation of the witnesses by the accused student; questioning of the accused student and the witnesses by the hearing officer or by the members of the panel

- j. Recall of any witnesses
 - k. Summary arguments from each side
 - l. Deliberation on the evidence by the hearing officer or members of the panel
9. Appeal Guidelines & Procedures
- Students shall be notified in writing of the right to appeal the decision of the hearing officer or the hearing panel to the Judicial Appeals Committee. A "Request for Appeal" form must be completed and returned to the Student Affairs Office within 5 (five) business days. If a student waives his/her right to a hearing or fails to appear for a hearing, he/she cannot appeal.
1. Judicial Appeals Committee
- The Judicial Appeals Committee is comprised of a group of faculty members, students and staff members. Student members will be recruited and appointed by the Dean of Students or his/her designee. Faculty members are nominated by the faculty chair. Staff members are recruited and appointed by the Dean of Students or his/her designee. A pool of members will be recruited from each constituency. The committee will not meet with fewer than 50% of the membership. Residential Life staff members are ineligible to serve on the Judicial Appeals Committee.
1. Appeals Procedure:
- a. Within five business days following a decision by the appropriate college official, the student may appeal the decision to the Judicial Appeals Committee. Appeal forms are available from the Student Affairs Office (Rita Bole 304). Appeals should be submitted to the attention of the Director of Student Life.
 - b. The committee will conduct its review and base its decision on the written reports or arguments of the aggrieved student, the hearing report from the hearing officer or panel which originally heard the case, minutes or the tape recording of the original hearing (if applicable), the original reports of alleged misconduct and supporting documentation from the file and any other case materials submitted by the Dean of Student Life. Rights of review do not entitle students to personal representation nor to a full rehearing of the case.
 - c. The responsibility to "prove" an appeal rests with the student who files it. The student must provide sufficient written material to support his or her case.
 - d. Students' appeals must be based upon one or more of the following criteria:
 - 1. New evidence has become available that was unavailable at the time of the original hearing. The Judicial Appeals Committee shall rule on the admissibility of new evidence. If the committee rules that the evidence should be admitted, the case shall be returned to an original-level hearing officer or panel. The person bringing charges will be provided with - and given an opportunity to rebut - the new evidence before a new hearing takes place.
 - 2. A procedural error that hindered the student in presenting his or her case; such an error must be substantial as to warrant a new hearing. In such cases, a new hearing would take place with an original level hearing officer or panel.
 - 3. The severity of the sanction is not consistent with the gravity of the offense. If the Judicial Appeals Committee believes that this is the case, the committee shall recommend a different sanction.
 - e. After conducting its review, the Judicial Appeals Committee shall make a recommendation to the college President or designee. This recommendation may be to affirm or reverse the original level decision, to change the sanction(s) or to require a new hearing.
 - f. Appeals will generally be reviewed within fifteen business days of the student's written request, unless otherwise approved by the Dean of Student Affairs.
 - g. If a new hearing is recommended, it will generally be held within ten days of the President or President's designee's acceptance of the committee's recommendation, unless otherwise approved by the President.
 - h. During summer and vacation periods, when the Judicial Appeals Committee is not convened, the President of the college or designee, who previously was not involved in the case, shall act as final appeal officer.
- Article IV: Interpretation and Revision

Any questions of interpretation regarding this code will be referred to the Dean of Students or his or her designee for final determination. This Code of Conduct will be reviewed annually under the direction of the Dean of Students or his or her designee.

1. Student Records

All disciplinary sanctions are a part of the student's confidential record maintained in the Dean of Students office. After a period of two years from the student's date of last enrollment in any degree or certificate program, all records and sanctions except dismissal from campus housing, suspension, and dismissal from the college are destroyed.

1. Records and Confidentiality

The Dean of Students office shall maintain disciplinary records, tracking system, and a log, which shall include, but not be limited to, the student's name and related identifying information; applicable Code of Conduct section(s); parties involved; description of the incident, sanction, restrictions and any other data deemed relevant. Disciplinary records and related information shall be made available to members of hearing boards, appeals committees and appropriate college personnel who have legitimate professional and educational interest; this includes student members of the appeals committees and other appropriate college personnel, as necessary. If a student has been found guilty of a second alcohol/drug policy violation, parents may be notified of the violation. Additionally, if a first offense is serious enough, i.e., results in hospitalization, injury to others or self, parents may also be notified.

Students may arrange to review their own disciplinary records and related information by contacting the Student Affairs office. For a complete statement of student rights pertaining to the Family Educational Rights and Privacy Act (FERPA), please contact the Dean of Students office or the Student Service office.

College Food Services

The snack bar and dining hall are operated by Sodexo Food Services. The Hornet's Nest Snack Bar is located on the second floor of Vail. This informal eating spot is open weekdays and evenings. On the weekends that school is in session, the snack bar is open for evening food service. Students may bring their own meals and eat them at the tables in the snack bar area.

The Thaddeus Stevens Dining Hall is located in its own building between the Stonehenge residence halls and the Library and Academic Center. Vegetarian and heart-healthy options are regularly available along with salads, sandwiches, pasta, and main-dish choices. Meals are served daily while classes are in session and for special occasions such as orientation, athletic camps, and summer programs. Special meals are offered to celebrate selected holidays and to add variety. A brochure about meal plan options, cost and use of the dining hall is available in the Student Affairs Office (Rita Bole 304) or the dining hall.

To utilize their meal plan, students must present their current student ID. If an ID card is lost, it must be reported immediately to the Director of Public Safety. A charge of \$25.00 is assessed for the replacement of the lost card. The dining hall is closed other than for listed service hours. Food may not be taken from the dining hall unless approved by the Food Service Director. Students on a meal plan who must miss a meal for classes, sports, or other college-sanctioned events may obtain a box meal. Notify the staff in the dining hall at least one day before this option is needed.

[Click here for the Lyndon State Dining website.](#)

Public Safety Information

Please refer to the following link for information from the Department of Public Safety- [click here](#)

Parking and Vehicle Registration

These regulations have been established to protect the safety of faculty, staff, students and visitors and to control motor vehicle traffic and parking on campus so that college business may be conducted in an orderly manner. Parking or driving a motor vehicle on the LSC campus is a privilege and the owner and/or operator is responsible for seeing that his/her vehicle is neither operated nor parked in violation of these regulations or any regulations/laws of the state.

Every member of the campus community (faculty, staff and students) must register any motor vehicle they park on college property. Student registration is done through the Public Safety Office and you are required to register your vehicle yearly (registrations are valid September 1 through August 31st). New, and renewal of, registrations must be done within the first two weeks of the semester. A vehicle is considered registered only when a current valid parking permit for that vehicle is properly displayed in the lower right side of the windshield (permit colors change yearly to ensure that a vehicle is currently registered). Vehicles on campus without a parking permit may receive a ticket and a fine. Additional information regarding vehicle registration, including if you change vehicles, can be provided by the Public Safety Office via e-mail. Also, their office is open 24/7, year round. This regulation will be enforced at all times. Faculty/Staff parking permits do not expire and the same permit is valid year after year. If the permit is transferred to a new vehicle, please notify Public Safety with the new vehicle information.

College parking and traffic restrictions are indicated by these regulations and/or signs, street markings or curb markings. The issuance of a parking permit does not guarantee a parking space. Lack of space is not considered a valid excuse for a violation of the parking regulations.

It is the responsibility of all faculty, staff and students operating a motor vehicle on campus to learn and obey these parking and traffic regulations. Specific questions relating to these regulations may be directed to the Public Safety Office.

The registrant is held responsible for any violation involving the registered vehicle (or the person who is responsible for registering the vehicle if it is not registered) when he/she is operating the vehicle or when another individual is using the vehicle. Students are responsible for parking infractions involving cars driven by those coming to visit them on the college campus. For additional information on parking and Lyndon State College safety practices you should refer to the LSC Public Safety web page.

Parking Violations

All parking and traffic violations are enforced by the Lyndon State College Public Safety Department. If a fine is not paid or an appeal not filed within seven working days from the date of the violation, the registrant will be liable for the fine. Fines must be paid in the Student Services Office. If the fine is not paid or an appeal is not filed in the seven day period, the fine is automatically added to the students account. The following is a list of some of the policies and violations.

Loss of Privileges

Flagrant violations of college parking and traffic regulations may result in loss of privileges to operate or park a motor vehicle on the campus. Reckless driving may result in a hearing and the hearing officer will determine any penalty. Cases maybe referred to the proper law enforcement agency. Please note that the third ticket you receive may result in towing and loss of parking privileges on campus.

Appeals

An appeal for any penalty prescribed by these regulations must be made within seven working days following the date of violation by submitting a written appeal to the Lyndon State College Public Safety Office. This can be done by stopping by the Public Safety Office to complete an Appeal Form or sending your own written appeal through the inter-office or United States mail. If a fine is not paid or an appeal not filed within seven days from the date of the violation, the registrant will be liable for the penalty, and it will be charged to the student account with the Business Office. All fines and parking tickets must be paid in the Student Services Office.

Towing Policy

The college reserves the right to remove or impound any vehicle found on campus that is parked in a driveway, fire lane, or interior campus, blocking a loading dock or trash dumpster or parked in such a way as to constitute a hazard to vehicular and pedestrian traffic or to the movement or operation of emergency equipment. The owner will be responsible for the costs involved in removing or impounding and storing the vehicle. The paved area around the sculpture north of ATT are designated fire lanes to be clear of vehicles at all times and as interior campus roads. Interior campus is the portion of campus inside of the security gates.

Student Identification Cards

Photo IDs are issued during new student orientation each semester. With it, students may gain admission to movies, plays, dances, athletic events and other college programs. It also is used for borrowing materials from the library, cashing checks in the bookstore and gaining access to assigned residence halls. Students who purchase a meal plan will also use the card in the dining hall and snack bar. The identification card is an official document and it is nontransferable. The card is to be carried at all times while on campus and is to be shown at the request of authorized college personnel (e.g., Public Safety, Student Affairs and Residential Life staff and college administrators). Failure to present the card when requested is a violation of the school rules and subjects the holder to disciplinary action. The fee for replacement of a lost ID card is \$25. Broken ID cards will be replaced at no charge.

Lockers

If you use the lockers in the Vail first floor hallway and Harvey Academic Center you will have to register the locker number and your name at the Public Safety Office. If there are any questions, please contact the Public Safety Office at ext. 6452.

Automated Teller Machine (ATM)

An automated teller is located in the lobby near the Student Center in Vail Hall. This machine is limited to cash-dispensing functions and cannot accept deposits or other types of transactions. There are no fees for cash withdrawal from Passumpsic Savings Bank accounts; however a transaction fee is assessed for withdrawals from accounts at other banks. Students may also cash checks at the college bookstore (see College Bookstore section).

Emergency Information

Protocol for a Student Medical Emergency on Campus

- If life threatening: Call for ambulance 911 or 9-748-3111. Call Public Safety at ext. 6452.
- For non-life-threatening medical emergencies: Contact Health Services, ext. 6440. After business hours, contact the emergency room at Northeast Vermont Regional Hospital 748-8141 or Northeast Kingdom Mental Health 748-3181. You should also contact the Director of Residential Life, ext. 6417, or the Dean of Student Affairs, ext. 6418.
- Important Phone Numbers:
 - Ambulance, Fire, State police - 911 or 748-3111
 - Health Services - ext. 6440
 - George Hacking, Director of Public Safety - ext. 6452
 - Jonathan Davis, Dean of Student Affairs - ext. 6418

Campus Emergency Evacuation Plan

In the case of an evacuation from a campus building, please-

- Bring/wear clothing appropriate for the elements
- Walk, don't run, to the nearest exit.
- Quickly check in rooms located adjacent to your room and coordinate assistance IF necessary. Assist individuals with disabilities in exiting the building and locating designated safe areas.
- Do NOT use elevators!
- Use posted evacuation routes to designated assembly areas
- Stay near the floor if air is toxic, be alert for hazards, move quickly and quietly
- Remain calm. Stay with your group until further instructions are received.
- Designated persons will check bathrooms, elevators, basement and other common areas

For students notified that they will be evacuated for an extended amount of time from their residence hall, they should consider bringing the following items with them:

- Medications
- Glasses/Contacts
- A change of clothes
- Toiletries
- Flashlights/batteries
- Cell phone and charger
- Important documents (credit cards, driver's license, etc)
- Blanket/pillow
- Toiletries
- Food/beverages
- First aid kit
- Hand wipes
- Water
- Cash (with no power credit cards can be rejected and ATMs may not be operational)

Bomb Threats Only

There will be no use of elevators, two-way radios, cell phones or fire alarms to evacuate the buildings, as these mechanisms could activate a bomb. When an occurrence time is known, the building will be evacuated until at least one hour past the know time, as a safety margin. The Coordinator of Public Information will prepare the appropriate temporary signs for the building(s) affected.

Only trained personnel will do bomb searches. If an occurrence time is not known, no search will be done. If an occurrence time is known and a decision is made to search, the searcher(s) will leave the building at least one hour before the known occurrence time. If the area to be searched is too large to be accomplished in the known time (minus one hour), no search will be done. The threatened building(s) will be locked after evacuation to discourage unauthorized entry. Building lock-up is the responsibility of the Director of Public Safety, the Director of Physical Plant, the Maintenance/Custodial staff and the Residential Life staff.

Violent Incidents

Individuals faced with deciding what to do in the face of a violent attack should take the following responses into consideration and then use the information available to make a personal decision concerning which response to choose.

If you see or know that a person has a firearm on campus, or if you hear shots fired on campus, or if you witness an armed person shooting people (active shooter), the following actions are recommended:

- Exit the area immediately if it is safe to do so.
- Notify anyone you may encounter to exit immediately.
- Evacuate to a safe indoor location away from danger. If possible, go to another campus building. It may be necessary to leave the campus.

4) Call 911 and provide the following information:

- Your name
- Location of the incident (be as specific as possible).
- Number of shooters (if known).
- Identification or description of shooter.
- Number of persons involved.
- Your location.

If you are directly involved in an incident and exiting the area is not possible, the following actions are recommended:

- All students, faculty, staff and visitors should leave the area if possible, and if not should moved into or stay inside building.
- Close and move away from all windows and doors. Lock doors if possible.
- If you cannot lock the door, use desks, chairs, door stops or other items to barricade the door.
- Try to cover the door windows or block the view inside the room.
- Physically protect yourself from harm

5) Call 911 and provide the following information:

- Your name
- Location of the incident (be as specific as possible).
- Number of shooters (if known).
- Identification or description of shooter.
- Number of persons involved.
- Your location

6) Remain quiet and act as if no one is in the room.

Do not answer the door.

Wait for police or Public Safety to assist you out of the building. When police arrive, raise your arms and show empty hands. Follow their instructions.

Be mindful that violent attacks can involve any type of weapon, not only a gun. Knives, blunt objects, physical force, or explosives can be just as deadly as a handgun; the suggestions listed here would be applicable in any violent encounter.

Missing Student Procedures

Lyndon State College maintains on-campus housing facilities and, therefore, a policy and procedures for investigating reports of missing students. It is the policy of Lyndon State College Public Safety to immediately investigate reports of missing students, regardless of the student's age, or the length of time they have been reported missing, when it has been reported that the person's last known whereabouts involves our campus.

Lyndon State College requires all students living on campus in an on-campus student residence hall be required to register a contact person to be notified in the case that student's family needs to be contacted in the event of an emergency which includes being reported as "missing."

It is Public Safety policy to notify a missing student's parents or guardians of a missing student if the student is under 18 years of age and not emancipated. Campus affiliates receiving an initial report of a missing student are to report the

information to Campus Public Safety or the local police immediately. Campus Public Safety officers will follow the missing persons protocol located on file in the Campus Public Safety Office upon receiving an initial report.

Campus Communications

Network and Email Connections

Residence hall rooms are equipped with connections to the college network. Information on establishing these connections is distributed by Student Affairs and Information Technology Services at orientation and through their offices. All students may use campus Internet and e-mail resources in the 24-hour computer lab, in the Library and Academic Center and in the computer classrooms. All students are required to check their LSC e-mail.

Cancelled Classes

Class cancellations are listed on a recording. Call 626-6767 for a listing of cancellations. Snow-day information is also available at this number.

- WSTJ/WKXH 1340/105.5 (St. Johnsbury)
- WGMT 97.7 (Lyndonville)
- WIKE 1490AM (Newport)
- WDEV 96.1FM/550AM (Waterbury)
- WLVB 93.9 (Morrisville)
- WLTN 96.7 (Littleton)
- WWLR 91.5 (LSC station)

Modes of Communication on Campus

- Mass e-mails can be sent out to all students, informing them of club events and activities that are planned. Banners, paper and markers can be signed out from the Student Activities Office; then the banners are hung in the ATT lobby. Bulletin boards are available for almost every club on campus, which they are responsible for keeping up-to-date. There are also other general boards that can be used to post notices.
- The Buzz is a weekly newsletter which has the schedule and description of weekly student activities and is published by the Student Activities Office. The Buzz can be found in the student center and at campus distribution points. The Critic is the college student newspaper. It is published periodically during the academic year and is available in the student center and at campus distribution points. WWLR, the student-run FM radio station, is powered by a 3000-watt transmitter and serves the college and the neighboring community. Broadcasts include varied programs of music, news, sports, weather and ski reports, and special features.
- LSC-TV is a college-based live newscast featuring LSC students as anchors, reporters, producers, writers, meteorologists, photographers, editors and technicians. Student reporters and photographers travel the Northeast Kingdom covering scheduled and breaking news. LSC-TV is a CNN affiliate and is broadcast live on Charter Communications, Channel 7.
- NewsNet provides a schedule of news and events at LSC and in the surrounding community. NewsNet is published by the Institutional Advancement Office and is available on the LSC website.
- Telephone - The college operates its own switch and voice-mail system. Every campus office and residence hall room has its own direct dial phone number. The college provides local and on-campus service to each student living in a residence room. Voicemail is available for residential students upon request to a RA or RHD.

- Poster and Chalking Policy - In order to enhance communication regarding events and programs on campus, the following poster policy has been established. The intent of this policy is to curtail abuse and ensure that everyone has equal access to the bulletin board locations. This includes, but is not limited to posters in the traditional sense, table tents, banners, and fliers.
 - Posters:
 - Posters and signs may be placed on bulletin boards or notice boards but shall not be placed on top of existing current notices.
 - Only one active poster per event per board is permitted.
 - Posters may not be placed on any glass surfaces, including but not limited to doors, windows, partitions, or display cases except as authorized by the appropriate college official.
 - Tacks or staples shall be used on all bulletin boards to help maintain the cleanliness and preserve the overall appearance. Tape may only be used on the student center columns when posting.
 - Tape may not be used on any painted surface, including the ATT lobby balcony, to prevent the paint from peeling.
 - Banners may be hung on the ATT balcony with prior permission of a Student Activities Coordinator.
 - All banners, posters, and notices must clearly indicate contact information, a name/sponsoring organization, date, time and location and must be removed within 48 hours after the event.
 - Unauthorized removal of or tampering with a poster before an event date will be considered as vandalism, and the person(s) responsible may be brought up on charges.
 - A weekly examination of bulletin board locations will result in the removal of all posters which violate these policies.
 - Bulletin boards belonging to offices, academic departments, clubs, or organizations are not to be used by individuals outside the organization. Students and staff with responsibility for these boards have the right to remove posters not related to their club/organization.
 - Lyndon State College is an equal opportunity institution. Chalking and postering in violation of this mission is subject to immediate removal and those responsible may be brought up on judicial charges.
 - Lyndon State College serves as an institution of higher learning and realizes the dangers of alcohol abuse and chooses not to allow posters and chalking that encourages, promotes, or advertises alcoholic beverage consumption.
 - Chalking:
 - 1. The use of chalking for advertisements and announcements is permitted with water-soluble chalk on sidewalks only.
 - 2. A Student Activities Coordinator must be notified before chalking begins to ensure there is no conflict with other plans/events on campus.
 - 3. Chalking is not permitted on the exterior surface of buildings, walls, steps, exterior patios or building foyers, or any vertical surface, except as authorized by the appropriate college official.
- LSC Mail

Every student, whether residing at Lyndon or commuting, has an on-campus mailbox. Along with e-mail, students are also responsible for checking their campus mailbox. Students maintain the same mailbox number during the time they are enrolled at LSC. It is important to use that number on all incoming mail/packages in order to avoid delays in receipt. Your college I.D. is required to retrieve packages.

Equally important is the need for students to keep the mailroom informed of any changes in student status and forwarding address. Remembering these steps will help to insure prompt delivery of your mail.

- Hours of Operation: Monday – Friday, 9:30 a.m. – 3:00 p.m.
- Example of Correct Address:
 - Your Name
 - 1001 College Road
 - L.S.C. Campus Mailbox #

Lyndon State College
Lyndonville, VT 05851

The 1001 College Road address must be on all package deliveries, i.e., UPS/FED EX/RPS, other than US Mail.

If you have been issued a key for your mailbox, please don't forget to turn it in to the mailroom when you graduate or leave school permanently. Lost keys can be replaced at a charge of \$5.00. Stamps are available at the bookstore. Stamped mail drop boxes are located at HAC, second-floor Vail by the ATM and at the mailroom.

Student Activities

Mission Objectives

- Facilitate development of leadership, interpersonal and communication skills through collaboration and educational programming with student organizations and student government
- Enrich campus life through delivery of a variety of educational and entertainment opportunities, programs and services
- Enhance student development through mentoring, joint programming and other collaborative activities
- Promote an environment in which cultural diversity is valued and the uniqueness of the individual is respected through behavior modeling, programming focused on these topics and involvement with presenters and entertainers who are from minority groups and/or who address these issues

Clubs and Organizations – www.lyndonstate.edu/studentlife

- Social/Service Clubs
- Academic Organizations/Honoraries
- Media Organizations
- Recreational Sports Club

Student Life

About Student Life

Mission Statement

The mission of the Office of Student Life is to provide an environment which enhances student learning and individual growth by facilitating relationships and programs intended to develop characteristics desirable in an LSC-educated person. These characteristics include a commitment to civic responsibility, an appreciation for diversity, critical-thinking skills, an appreciation for life-long learning and the ability to develop healthy, productive relationships. This learning should occur within a secure living environment that encourages risk-taking, cooperation and responsible decision-making.

Value Statement

The Department of Student Life is committed to:

- Facilitating an environment which allows students to be academically successful
- Providing leadership opportunities for residents and other opportunities for involvement

- Providing inclusive programming which enhances classroom learning and challenges students intellectually, spiritually, physically and socially
- Creating communities which are free of harassment and bullying and are based on respect and an appreciation of differences
- Providing activities which allow students to build relationships with each other and lead to tight-knit communities
- Providing an environment in which students do not have to suffer the second-hand effects of alcohol and other substance abuse
- Creating a disciplined community which is fair and just
- Maintaining facilities which are secure, healthy and clean
- Creating opportunities for students to demonstrate civic responsibility to the LSC community and the community at large
- Creating opportunities for students to have fun
- Working collaboratively with Public Safety, Dining Services, Student Affairs, faculty and other departments on campus to provide an environment which maximizes student potential for personal and academic success

Philosophy Statement on Diversity

The Department of Student Life is committed to creating and sustaining a community that is characterized by sensitivity, acceptance and celebration of differences. We believe that communities are strengthened and enriched by the presence of diversity. To that end, we wish to create an environment which is welcoming to people of diverse ethnicity, ability, age, religion, gender and sexual orientation. We are committed to promoting such an environment through our interactions, programs and outreach to students.

We urge you to take this opportunity to learn more about those who are different from you. A willingness to learn about diversity results in increased awareness, strengthened friendships, rich experiences and greater insight. There is perhaps no greater place to explore new horizons than an institution of higher learning.

We are committed to confronting situations of intolerance that seek to destroy the spirit of acceptance and respect. Such acts are irreconcilable with the mission of our college. We urge you to do the same. We must each take responsibility to create a community where all members feel as if they matter and are respected and appreciated.

Expectations of Residence Hall Communities

A residence hall at Lyndon State College achieves community when:

- The residents within the community can identify each other by name and know something about each other
- The residents establish and foster working relationships with common goals
- The residents celebrate individual differences while forming a shared identity and common language
- The residents exhibit their mutual trust by looking out for the well-being of others
- Residents support each others intellectual and personal development
- The residents make sacrifices for the good of the community

The Office of Student Life at LSC expects to foster successful residence hall communities. To that end we will work toward:

- Residents and RAs who know each others names and some pertinent information about each individual
- Have residents who wish to stay involved in and return to that community
- Have residents who take pride in identifying with that community
- Have residents who take responsibility for their actions
- Respect the sanctity of the residence hall itself
- Establish a common goal to improve the life in the residence hall
- Have residents and leaders who work together in consensus
- Discover and respond to the needs of their residents

- Sustain the qualities necessary for academic success
- Grant opportunities for growth to all of their residence hall members
- Pledge to understand and celebrate the diversity inherent in the community

Residence Hall Communities

Residence halls:

- Arnold/Bayley (Bayley 2nd floor- 24 hour quiet)
- Poland/Rogers
- Crevecoeur/Whitelaw (first year students under age 21)
- Wheelock
- Gray House (Service Learning Housing community)
- Rita Bole Complex (21+ and gender neutral options available)

Vermont State College Student Housing Policy

Lyndon State Colleges Housing Policy complies with the Vermont State Colleges Housing Policy Number 304, approved September 24, 1983, by the Board of Trustees.

It is a condition of admission to Lyndon State College, to the extent that campus housing is available, that unmarried students, students not in a civil union, or whose legal domiciles are not within commuting distance are required to live on campus for two academic years (space permitting). Those accepted as sophomores are required to live on campus for one academic year. Once a housing contract has been signed, the agreement with the college is binding for a full academic year. The Director of Residential Life or designee may authorize exceptions due to extraordinary circumstances. In practice, exceptions are granted in the following circumstances:

- Students who are age 24 or older
- Students who have achieved junior standing (according to credit hours)
- Students who are graduates of approved high schools (see list below) and will be commuting from their legal residence in that school district
- Students who have custody of their children
- Students who can document a medical reason for exception (physical or mental health, with documentation from a physician or mental health professional)
- Students who can document a compelling fiscal reason for exception (the Director of Financial Aid makes a recommendation based upon a significant change in financial circumstances since the signing of the contract or an assessment that the student is among the very small percentage of our most fiscally challenged students)
- Limited other cases merit special consideration, but these are very rare

The Director of Residential Life, sometimes in consultation with the Dean of Student Affairs, hears requests for exception. The Dean serves as an appeal for students who are displeased with the Directors decision. After the opening of a semester, any student who moves out of college housing without the permission of the Director of Residential Life or designee shall be financially responsible for the full term of the residence hall contract.

Commuting Distance for Off-campus Status (45 Driving Miles)

High schools acceptable for commuting students:

- North: North Country Union High School, Lake Region Union High School, Lyndon Institute
- South: St. Johnsbury Academy, Blue Mountain Union High School, Oxbow Union High School
- West: Danville High School, Cabot High School, Hazen Union High School, Twinfield Union High School, Craftsbury Academy
- East: Concord High School
- New Hampshire schools: Littleton High School, Woodsville High School, Lisbon High School, White Mountains Regional High School, White Mountains School, Haverhill High School
- Border Schools: Union 32, Montpelier High School, Spaulding High School

Student Life Policies, Procedures and Regulations

1. Alcohol Policy

Lyndon State College strongly opposes the illegal and inappropriate use of alcohol. Violations of alcohol policy and regulations will result in judicial action which may result in sanctions up to and including dismissal from the college. The Lyndon State College Alcohol Policy is congruent with Vermont state law, local regulations, and the mission of the college and is promulgated to assure the appropriate distribution and consumption of alcoholic beverages on the campus. The administration and interpretation of the Alcohol Policy ultimately rests with the President or designee, who, in this instance, is the Dean of Student Affairs and the Director of Residential Life.

- 1.0 Basic regulations:
 - 1.1 Consumption of alcoholic beverages on college property is a privilege accorded under specified conditions to individuals of legal age according to Vermont Law, in areas defined as private domicile (i.e., individual student rooms and the President's house). Reasonable use shall not include kegs, cases, or BYOB parties.
 - 1.2 Recognizing that not all individuals may choose to consume alcoholic beverages and recognizing the social emphasis of all events, any functions providing an alcoholic beverage must also provide two nonalcoholic beverages.
 - 1.3 The sponsoring individual or organization must furnish information concerning the program, facility arrangements, food service needs, and the type and amount of beverages to be served, as directed on the Alcohol Permit and Event Registration Form. Forms are available from the Associate Dean of Student Affairs.
 - 1.4 All recognized organizations and sponsors of registered social events are prohibited from providing alcohol to minors. Consistent with, and related to this restriction, the serving of kegs, beer balls, and alcohol/punch drink may only be done by a licensed caterer (Sodexo). See 3.0 below for an explanation of the approved process.
 - 1.5 Any event which includes alcohol as part of its program should focus upon the social nature of the event in its promotional campaign and not emphasize the sale or availability of alcoholic beverages at said event.
 - 1.6 The safe occupancy level of the approved space must be determined and steps taken to insure compliance with the Fire and Safety Code of LSC and the State of Vermont.
 - 1.7 No alcohol may be carried into or consumed in non residence hall areas, including outdoor areas and at intercollegiate athletic/intramural events, with the exception of approved designated areas (sec 1.1), without the submission and approval of the Alcohol Permit and Event Registration Form.
 - 1.8 Scheduled events must remain within the approved designated area.
 - 1.9 A charge of no less than \$100 will be billed to the organization sponsoring an event if the facility used is not properly cleaned within eight hours after the function has ended.
- 2.0 Residence Halls: (also see Section 8 of the Student Code of Conduct)
 - 2.1 Students who are age 21 or older may possess or consume alcohol in their residence hall rooms. In rooms where all residents are under age 21, alcohol may not be possessed or consumed. In no instance may the number of open alcohol containers in a room exceed the number of individuals who are age 21 or older and are in the room. An excessive number of empty containers being present in a room could lead to the

presumption that those of legal age provided alcohol to individuals present who are under age 21. In residence halls which are designated as alcohol-free, and on floors of residence halls which are so designated, no alcohol may be possessed or consumed.

- 2.2 No physical evidence of alcohol possession may be displayed or used as decorations which are visible in the window of a residence hall room.
- 2.3 Only a reasonable quantity of alcohol may be present in a legal drinker's residence hall room. No kegs, half-kegs, quarter-kegs, beer balls, cases or other quantities in excess of what may be reasonably and safely consumed may be present.
- 3.0 Campus-Wide, Licensed Events:
 - 3.1 The sponsoring organization must complete and have approved the Alcohol Permit and Event Registration Form at least seven (7) days prior to the event, if scheduled in a licensed facility. For events not scheduled in a licensed facility, a minimum of fifteen (15) days advanced notice is required. These forms are available from the Dean of Student Affairs Office. Completion of the form indicates an understanding of the Alcohol Policy and a responsibility to fulfill the regulations therein.
 - 3.2 The sponsoring organization or individuals must assume financial responsibility for all associated costs (e.g., security, damages, etc.).
- 4.0 Responsibility and Liability
For any party or other event, the persons who sign the required application or registration forms are responsible for the safe conduct of the event. Staff persons involved in clearance procedures are responsible for ensuring that the event is conducted in a safe and acceptable fashion and for monitoring the event for the general safety of the participants. Situations determined to be in noncompliance with regulations of the Alcohol Policy may be immediately suspended by appropriate college staff. Responsibility for any adverse consequences that may occur as the result of a party or other event may implicate any person or group involved with that event, in particular those planning and monitoring its outcome. Any violation of this policy shall be reported to the appropriate dean.

2. Check-out Procedure

All students, with the exception of graduating seniors, must vacate their rooms within 24 hours after their last exam or at the designated time of hall closing, whichever comes first. Room keys must be turned in when the room is vacated or a \$25 charge per key will result. (The key must be returned to a designated hall staff member.)

If a room/suite is left unclean or unsanitary each occupant will be billed for cleaning (\$50 minimum).

If a student moves out of their residence hall room without properly checking out with a residence hall staff member, they will be billed \$50 for improper check-out.

3. Cohabitation/Guest Policy

Lyndon State College recognizes that residence hall students have a right to expect reasonable and appropriate privacy while residing in their rooms. The College also recognizes the necessity and importance of residence hall students respecting the moral standards and individual rights of roommates and suite-mates, especially as related to sensitive topics, such as sexual activity.

Under no circumstances may students live in a room other than the one to which they were assigned. A \$25.00 fine will be charged to any student who moves to a new room without permission.

The College does not condone cohabitation of residence hall students and at no time should a student have an overnight guest against the expressed discontent of a roommate(s).

Guests are allowed to stay no more than three days within a seven-day period. No guest may stay anywhere on campus for more than three days at a time. All guests must wait seven days after their registered date of departure before they can re-register. Residents are fully responsible for guests and their behavior. Hosts will be held responsible for policy violations committed by their guests. Guests must: 1) Obtain a guest registration form from the Residence Hall Director or Resident Assistant; 2) Have the

roommate(s) sign the guest registration form; 3) Complete the guest registration form and have it signed by the residence hall director or resident assistant. Any policy violation committed by guest will result in disciplinary action for the host.

If a student feels aggrieved on this matter, the following should occur:

1. Students should tell roommates that they don't wish a third party in the room or that they feel uncomfortable with the sexual behavior in the room. If this fails, the roommate should make his/her hall director or resident assistant aware of the problem.
2. If the behavior continues, the residence staff member will then call both parties together to mediate the problem. At this time the roommate contract will be referred to, to assist in the mediation process.
3. If mediation fails, the Director of Residential Life will be notified for further mediation or judicial action. If the Director of Residential Life is unavailable the Dean of Student Affairs may be notified.
4. Under no circumstances should a student feel that he/she is expected to tolerate roommate activities that are contrary to the reasonable standards of conduct expected of Lyndon State College students.

4. Cooking Facilities

Cooking is allowed only in kitchen facilities. The use of electrical appliances that do not comply with applicable fire codes and regulations is prohibited. Outdoor grills (other than those owned by Sodexo) can only be used if the grill is a minimum of 100 feet away from the buildings. Gas grills are prohibited, and no grill shall be stored in a student room or within 100 feet of any residence hall.

Students are responsible for keeping all residence hall kitchen facilities clean. The housekeeping staff does not wash dishes for you. Suites may be fined daily for failure to properly maintain their suite kitchenette area. Students may not use suite kitchenette areas to store empty bottles/cans of any kind. For a list of items that are not allowed on campus please click [Frequently Asked Questions](#).

Wheelock and Rita Bole common area kitchens- A variety of pots, pans and utensils are available to be checked-out for use from your RA or RHD.

5. Custodial Service

Custodial service is provided in the public common areas and bathrooms with the exception of the Rita Bole residence hall. Residents are expected to clean their rooms and must provide their own cleaning supplies. Vacuum cleaners are available from the hall staff. Personal items are not to be left in bathrooms and common areas. Students will be warned; however, disciplinary action will result or items will be discarded if students continue to leave personal items in common areas.

6. Damage Policy

Students are required to pay for damages to or theft of items from a room or a public or social area and its furnishings, including door locks/handles, as assessed by the Director of Residential Life or the hall directors. All damages or theft occurring in residence areas will be divided equally among the occupants for the academic year, unless the Director of Residential Life or hall directors are notified of the individual(s) specifically responsible and such liability can be verified or substantiated. All damage or theft which can be attributed to given individuals will be billed directly to them. Any student who wishes to appeal a damage charge must do so within five days of receiving notification of damage and subsequent charges. This appeal should be sent to the attention of the Director of Residential Life in Rita Bole 304.

Students are responsible for the actions of their guests. Any damage done by a guest on campus will be the responsibility of the registered host. For a complete explanation of the guest policy, please see [cohabitation/guest policy](#).

Furnishings supplied by the College may not be removed from a residence hall room or lounge area. Any student removing such items may be charged for the full replacement cost and be liable for disciplinary action, including a daily fine, in accordance with College and residence hall regulations.

Tampering with the cable TV system may result in a loss of service to the general residence hall community and is illegal according to Vermont law. Students found guilty of tampering with the cable TV system are subject to a fine and judicial action as appropriate.

7. Drug Policy (See section 3 in the Student Code of Conduct)

Lyndon State College condemns the illegal and inappropriate use of drugs. Violations of the drug policy will result in judicial action which may result in sanctions up to and including dismissal from the college. The possession of stimulants, narcotics, hallucinogens or any controlled or regulated drugs (except on a physicians or dentists prescription), is prohibited; as is the selling, bartering, exchanging or giving away of such drugs to any person not intended to possess them. Offenses involving the use and/or possession of drugs or drug paraphernalia will subject a student to disciplinary action by the college, and possible civil litigation or criminal prosecution. The college will cooperate with local, state and federal authorities in the elimination of illicit drug trafficking.

8. Firearms, Explosives and Other Weapons (See section 2 of the Student Code of Conduct)

The possession of firearms, fireworks, explosives, knives or other weapons of any kind and replicas or facsimiles thereof (including paint and bb guns) is prohibited on campus or in residence halls as they pose a substantial danger to the safety of all students. Please be advised that knives with a blade in excess of 3 are not permitted on campus. This also includes but is not limited to switchblades and butterfly knives with blades of any length. The term weapon also includes items that may be legal but which could be used in an illegal manner or which someone could perceive as placing them in danger of immediate harm (e.g., box cutter, pipe, etc.)

9. Hazing Policy

- Policy Statement - It is the policy of the Vermont State Colleges (VSC) that no member of the VSC community may participate or be involved in hazing. A student or employee will be subject to disciplinary action for: (1) engaging in hazing; (2) soliciting, directing, aiding or abetting, or attempting to aid or abet another person engaged in hazing; and (3) knowingly failing to take reasonable measures within the scope of the persons authority to prevent hazing. It is not a valid defense against charges of hazing that the student against whom the hazing was directed consented to or acquiesced in the hazing activity.
- Definition - Hazing means any act committed by a person, whether individually or in concert with others, against a student in connection with pledging, being initiated into, affiliating with, holding office in, or maintaining membership in any organization which is affiliated with the Vermont State Colleges or any member College thereof; and which is intended to have the effect of, or should reasonably be expected to have the effect of, humiliating, intimidating or demeaning the student or endangering the mental or physical health of a student. Hazing also includes soliciting, directing, aiding, or otherwise participating actively or passively in the above acts. Hazing occurs regardless of the consent or willingness of a person to participate in the activity. Hazing may occur on or off the campus of a member College of the Vermont State Colleges. Hazing shall not include any activity or conduct that furthers legitimate curricular, extracurricular, or military training program goals, provided that:
 - A. the goals are approved by the member College; and

- B. the activity or conduct furthers the goals in a manner that is appropriate, contemplated by the member College, and normal and customary for similar programs at other educational institutions.
- C. Organization means an athletic team, association, corporation, order, society, corps, cooperative, club, or other similar group, whose members primarily are students at a member College, and which is affiliated with the College.

10. Keys

- Keys are assigned by residence hall staff members.
- If you lose your key, report it immediately to your hall director. Replacements are charged at a rate of \$25 per key.
- Students must return keys to a residence staff member when checking out of a room. Failure to return an original room or suite key when leaving at the end of the semester or academic year will result in a \$25 fine per key.
- It is against college regulations to have a residence hall key duplicated. It is also against college policy to loan your keys to anyone else. Tampering with locks and doors may result in a judicial hearing and a possible fine. Estimated cost of replacing a residence hall room lock is \$200.

11. Laundry

Laundry facilities are available in each set of residence halls. Machines are coin operated (some have a credit card swipe option). Change machines are also available in each residence hall. Please see your RHD if you have a problem with a machine so a work request can be submitted.

12. Lockouts

Students are expected to have their room keys and ID cards with them at all times. Residential Life Staff members should be contacted to open doors only under unusual circumstances. An excessive number of requests to have a student's room unlocked will result in disciplinary action. A fine of \$25.00 may be assessed after a student's 3 lockout.

13. Lost and Found

This service is handled by Public Safety.

14. Music/Noise Policy

Courtesy hours are in effect 24 hours a day on-campus. Courtesy hours require that all residents, no matter what time of day, consider the impact that noise levels from their room have on other residents.

Students should remember that the LSC residence halls are within close proximity of all academic buildings. Students should not play music outside of their windows or place speakers in their window. Violations of this policy will result in disciplinary action and/or confiscation of equipment.

Residents are expected to respect the rights of others with regard to noise levels. Violation of individual rights or established quiet hours will result in disciplinary action.

Quiet hours are maintained Sunday through Thursday from 10:00 p.m. to 9:00 a.m. and Friday and Saturday from 1:00 a.m. to 9:00 a.m. Quiet hours must also be maintained outside of all residence halls. Students who are repeatedly warned about loud stereo systems will have them confiscated. Use of sub-woofers and amplifiers is prohibited if excessive volume results.

Additionally, courtesy hours are in effect 24 hours a day. The second floor of the Bayley residence hall has a 24 hours quiet policy.

15. Pets

Pets (except for fish in aquariums that are not larger than 10 gallons) cannot be in residence halls under any circumstances. Students violating this rule will face disciplinary action.

16. Room Changes

All requests for room changes should be directed to the Office of Student Life or your Resident Hall Director. Changing rooms without proper permission is a violation of campus policy. Also, the Department of Student Life reserves the right to assign or reassign students as necessary- therefore, students should not arrange their room in such a way that another student could not move in if assigned (ie. beds pushed together or multiple wardrobes used for one person).

17. Room Decorations

Students are not allowed to paint their rooms or suites. Duct tape damages painted surfaces and is not allowed in the residence halls. Students are not permitted to use staples, tacks, screws or nails in their rooms. We encourage the use of blue painters tape to post any items on residence hall walls.

18. Room Limit

The state Fire Marshall's office requires that no more than 10 people be in a double room at any time. No more than 5 people are allowed in a single room at any time.

19. Safety Restrictions

In order to ensure the safety of all residents, the rules listed below are strictly enforced. The following are not allowed:

- Storage of bicycles, motorcycles, furniture, skis or other items in residence hall corridors, stairwells, lounges or entry ways
- Throwing or dropping items from windows or down stairwells of any residence hall
- Waterbeds and personal beds
- Installation of outside antennas or other exterior devices on roofs or from windows Access to roofs or window ledges
- Custom lofts or furniture used in ways other than it was intended and the use of cinderblocks to raise beds .

20. Skateboarding, Snowboarding, Biking and In-line Skating Policy

LSC community members are prohibited from skateboarding, snowboarding, biking, or in-line skating on campus unless they are using a skateboard, snowboard, bike, or in-line skates as a form of transportation from one location to another. Trick riding on curbs, benches and buildings is strictly prohibited. These actions present a safety hazard and are very disruptive to others. Recreational riding is permitted in the skate park only.

21. Smoking Policy

There is a no smoking policy in all residence halls and in inner campus.

- 1.0 Purpose: Vermont law required that Lyndon State College have a smoking policy that either prohibits smoking or restricts smoking to designated smoking areas (parking lots). This policy prohibits smoking on the Lyndon State College campus except in specifically designated areas.
- 2.0 Statement of Policy: Smoking at Lyndon State College is restricted to designated campus parking lots only.
- 3.0 Responsibilities: All students, faculty, staff, and visitors are expected to abide by this policy. Violations will be reported to the Public Safety Department. Noncompliance with this policy may result in disciplinary action under the student code of conduct or the appropriate collective bargaining agreement/employee handbook.

22. Snow Emergency Procedures

During snow emergencies, student-owned vehicles must be moved to designated areas so snow can be plowed. Notices declaring a snow emergency will be sent to you via LSC e-mail.

23. Solicitation and Concession

Students are not permitted to use their rooms for any commercial purposes. Soliciting in the residence halls, campus buildings or the grounds is prohibited, unless approved in writing by the Dean of Student Affairs.

24. Storage

The college is not able to store items for the summer. Students must remove all personal belongings from their rooms at the end of the academic year. During vacation and intercession periods, students should remove all valuables from their rooms. The college is not liable or responsible for losses.

25. Vacation Periods

Residence halls are closed for designated periods during the academic year. All appliances are to be unplugged, and the residential life staff inspects all rooms. During those breaks, students who have a work related, academic or athletic need to be on campus may submit a break housing request to be considered for break housing. This request should be submitted at least one week prior to break.

Students who stay for extra nights prior to the opening of the residence halls for the semester or during breaks without prior permission will be assessed a \$50.00 charge per night and will face further disciplinary action.

Care and Maintenance of Residence Hall Rooms

Energy Use, recommendations and Warnings

The residential community saves energy by:

- Turning off lights when leaving a room, even for a short while.

- Turning off faucets completely.
- Reporting any leaking faucets to the residence hall staff.
- Using energy efficient light bulbs when available.
- Reporting excessive heat to the residence hall staff and keeping all windows closed during the winter.

Electrical Safety

The following are strictly prohibited:

- Unapproved cooking or heating appliances in individual room or suite areas
- Extension cords running under rugs and/or overloading of electrical outlets
- Tampering with any electrical or lighting fixtures
- Plugging in car batteries or heaters through windows or doors of residence halls
- Extension cords that are not UL rated, and heavy duty cords that are not three-wire grounded will not be allowed. (a UL-rated multiple outlet center with an on/off switch and pilot light with circuit breaker protection is recommended)

Fire

The following are strictly prohibited:

- Storage or use of flammable fluids in building
- Misuse of fire equipment
- Any open or enclosed flames and incense or candles
- Large fabric ceiling hangings that are not flat against the ceiling
- Wall hangings that are not flat against the wall
- Items which block egress from a room or suite area.
- Fire crackers
- Using wiring conduit to hang items from
- No more than 15 people in a triple, no more than 10 people in a double and no more than 5 people in a single at one time

The following list represents items that are acceptable in residence halls (They must be U.L. approved; no cooking appliances are allowed in the suite area).

- desk lamp dvd/vcr player
- small television
- blue painters tape (only adhesive allowed on residence hall walls)
- small microwave
- electric blanket
- electric shaver
- electric iron
- clock/clock radio
- small stereo
- floor lamp
- personal computer
- small refrigerator (6 cubic feet)
- coffee pot (not submersible)

Under no circumstances are the following items allowed in residence halls. Students are expected to use good judgment in the assessment of the safety of the items they bring to school (this is not an exhaustive list).

- toaster/toaster ovens

- flammable decorations
- hot plates
- electric fry pans
- decorative lighting
- broilers
- electric corn poppers
- immersion coils
- space heaters
- halogen lights
- incense candles (including wickless)
- lava lamps
- homemade lofts and cinder blocks
- live trees or boughs
- neon lights/signs
- duct tape
- plastic self-adhesive hooks
- lamps with insufficient shade material to protect from heat
- water balloons
- water guns
- paint ball guns
- snowballs
- firearms
- sling shots
- knives
- black lights

Room Entry and Search Procedures

While the college recognizes students' rights to privacy in their rooms and personal effects, students should be on notice that there are times when authorized college representatives may, without specific consent, enter their rooms unannounced and/or check for conditions or articles causing concerns, even in closed spaces. Room entry may occur for purposes of housekeeping, repairs and maintenance, or when there is reasonable basis for legitimate concern about the health, welfare or safety of any of those who occupy the room or other persons or when there is reasonable basis to believe that there may be a violation of college policies, rules or regulations. An inspection or search of closed spaces may occur when there is a reasonable basis, either existing beforehand or resulting from room entry, to justify the inspection or search because of legitimate concern about the health, welfare or safety of any of those who occupy the room or about other persons.

Examples of such reasonable basis may include but are not limited to: a leak that requires inspection of a closed space such as a cabinet or drawer, a standard safety check during break periods or the discovery upon room entry of evidence of violation of the law or school rules, including rules on drugs, alcohol or weapons. There are numerous other situations that could constitute reasonable basis to justify an inspection or search.

A staff member will not open a student's room if another student has requested the door be unlocked to retrieve borrowed items (such as books, laptops, class assignments, etc.). The staff has a responsibility to protect the privacy of the resident(s) of a particular room.

Fire Inspection

The Student Life and Maintenance departments of Lyndon State College may conduct fire inspections once a semester. The inspection will be done without notice and students' rooms may be entered without the occupants being present. If a student is

notified of an infraction, he/she will have 48 hours to correct the problem or face judicial sanctions. The College reserves the right to remove any prohibited or illegal items if found upon entering a students room.

On a periodic basis, the State Fire Marshal's office inspects the residence halls. Again, if a student is notified of an infraction, he/she will have 48 hours or less to correct the problem or face sanctions by the college or the state.

Administrative Fines

These charges are assessed to students separate from the judicial process. They are listed here for informational purposes and is not an exhaustive list:

- Housekeeping violation - \$50 minimum
- Lost ID replacement charge - \$25
- Lost keys/keys not returned - \$25 per key
- Improper checkout - \$50
- 3+ lockouts - \$25

Procedures for Reporting Residence Hall Problems

- Maintenance Problems: See your residence hall staff member.
- Emergency: If your residence hall staff member is unavailable, contact the Residential Life Office, 8:00 a.m. to 4:00 p.m., Monday through Friday, at Ext. 6418. On weekends, evenings and holidays, contact Public Safety by dialing "6452" and wait for a telephone or radio response.
- Fire Emergency: If a fire occurs, set off an internal alarm (red pull box) and leave the building immediately. Call Public Safety at ext. 6452 from another building.
- Medical Emergency: Contact Lyndon Rescue at 911. For other medical problems, make an appointment with Health Services at ext. 6440.

LSC Directory

- Absences-Student | Student Affairs | RBC 304 | x6418
- Academic Support | Debra Bailin | LAC | x6210
- Project Excel | Denise Moses | LAC | x6210
- Advising Resource Center | Library
 - Gateway | x4860
 - Career Services | x6441
- Admissions | Vail 305 | x6413
- Arnold/Bayley | RHD Office | Bay. 502 | x6326
- Athletics | Chris Ummer | Gym 104 | x6224
- Bills & Fees | Student Services | Vail 348 | x6396
- Bookstore Manager | Vail 204 | x6466
- Class Cancellations | Academic Dean's Office | RBC 304 | x6767
- Change of Major | Registrar's Office | Vail 348 | x6396
- Change of Advisor | Registrar's Office | Vail 348 | x6396
- Commuter Concerns | Dean of SA | RBC 304 | x6418
- Information | Switchboard | Vail 332 | x0
- Insurance-student | Student Services | Vail 348 | x6396
- Intramural Programs | Kevin Pezanowski | Gym 102 | x6242
- Keys | Tom Archer | Maintenance | x6454
- Library Information | Library | x6450
- Library Circulation | Donna Edwards | Library | x6447
- Lost & Found | Public Safety Vail 340 | x6452
- Mailroom | Rhonda Trucott | Vail 109 | x6473
- NEBHE Eligibility | Admissions Office | Vail 308 | x6413
- Registrar | Vail 348 | x6396
- Newspaper (LSC) | Critic Office | Vail 203A | x6215
- Parking Permits/Fines | George Hacking Vail 340 | x6432
- Payroll-student | Cynthia Robertson | Vail 369 | x6461
- Public Safety | George Hacking | Vail 340 | x6432
- Poland/Rogers | RHD Office| Whitlaw 601 | x6330
- Pool Info | Chris Dorsey | Gym 102 | x1320

- Counseling | Counseling Services | Brown House | x6440
- Degree Audit | Evelyn Franz | Vail 352 | x6495
- Disabilities services | Learning Specialist | Vail 328 | x6210
- Drop-Add Procedures |Registrar's Office | Vail 348 | x6396
- Emergency Service | Ambulance | 911
- Emergency Service | Fire | 911
- Emergency Service | Public Safety | Vail 340 | x1111
- Facilities (scheduling) | Charlotte Porcelli | x6498
- FAX (Students) | Bookstore | Vail 204 | x8967
- Financial Aid | Tanya Bradley | Vail 374 | x6216
- Food Service | Adam Vigue | Dining Hall | x6266
- Health Services | Physician and P.A. | Brown House | x6440
- Housing | Residential Life | RBC 304 | x6418
- I.D. Cards | Public Safety | Vail 340 | x6432
- Info. technology | Help Desk | Library 213 | x6456
- Pool Schedule | x6769
- President's Office | Joseph Bertolino | Vail 368 | x6404
- Academic Dean's Office| Nolan Atkins | Vail 365 | x6406
- Registration | Registrar's Office | Vail 348 | x6396
- Residential Life | Erin Rossetti | RBC 304 | x6417
- Rita Bole | RHD Office | RBC 304| x6417
- Student Activities | Vail 218 | x6363
- Students' Rights | Jonathan Davis, Dean SA | x6418
- Dean of Student Affairs | RBC 304 | x6418
- Student Government Association | Vail 218 | x6483
- Study Abroad Options | Debra Bailin | Vail 324 | x6210
- TDD Number for Hearing Impaired | 802-626-6273
- Training Room | G13/G15 | x6362
- Transcripts | Registrar's Office | Vail 348 | x6396
- Transfer Evaluations | Miranda Fox | Vail 348 | x4852
- Vehicle Reservations | Tom Archer | Maintenance | x6454
- Veteran's Affairs | Shane Mason | Vail 348 | x4851
- Weather Phone Recorded Message | x6421
- Wheelock/Gray House | RHD Office | Wheelock 103| x6324
- Whitelaw/Crevecoeur | RHD Office | Whitelaw 601 | x6330
- Withdrawals | Registrars Office | Vail 348 | x6396
- Work study eligibility | Jennifer Aubin | Vail 348 | x6217
- Work Study Jobs | Career Services | Vail 316 | x6441
- LSC Homepage | <http://www.LyndonState.edu>

Student Rights and Responsibilities

Philosophy and Focus of the Conduct Administration Process

The Student Code of Conduct promotes the necessary order, safety and security of the Lyndon State College community. The mission of Lyndon State College's conduct system is to function as an educational process. The goals of the conduct system are:

- To promote a campus environment that supports the overall educational mission of the college.
- To protect the college community from disruption and harm.
- To encourage appropriate standards of individual and group behavior.
- To foster ethical standards and civic virtues.

The conduct system fulfills its mission by providing programs and services that:

- Develop, disseminate, interpret and enforce campus regulations.
- Help students to model appropriate behavior.
- Intervene effectively when behavior violates the Code of Conduct.
- Offer educational and leadership opportunities for students who participate in the operation of the conduct system.

Student Code of Conduct and Conduct Administration Procedures

- Article I: Judicial Authority
 - A. Any member of the college community may report violations of the code directly to public safety, residential life staff or any other official of the college. This does not preclude action under the code where information initially came from one who is not a member of the college community. A public report form is available on the Portal.
 - B. The Residence Hall Directors, Director of Residential Life, Dean of Student Affairs or designee have the judicial authority to assess sanctions in accordance with Article III, Section B.
 - C. Appeal: See Article III, Section A (3).
- Article II: Jurisdiction and Proscribed Conduct
 - A. Jurisdiction of the College - All students are expected to conduct themselves as responsible members of the college community and to respect the rights of their fellow citizens on and off campus. Any departure from these standards, which can be shown to be injurious to the college's pursuit of its normal activities, will be defined as a violation of the rules or regulations specified in Lyndon State College's Code of Conduct.
 - B. Conduct: Violations of the Code of Conduct include, but are not limited to, the behavior outlined below. Beyond the Code of Conduct, the administration may, at its discretion, bring charges against any student who engages in dangerous behavior and is in serious violation of the college's rules and regulations. Any student found to have engaged in such conduct is subject to the disciplinary sanctions outlined in Article III.
 1. Section 1. Behavior which threatens or endangers the health or safety of oneself or others, whether actual or implied, or results in personal injury to oneself or others. This includes disorderly conduct, including but not limited to public intoxication, lewd or indecent or obscene behavior, libel, slander, simple assault, verbal conduct, racial or sexual slurs, threats, intimidation, harassment and hazing against any member of the college community including faculty, staff and students.
 2. Section 2. Illegal or unauthorized possession or use of any type of weapon or firearm, including but not limited to BB or pellet guns, paint guns, water guns, sling shots, explosive fireworks, combustibles, knives (longer than 3" or have a concealed blade), compound bow-and-arrows or other weapons or instruments which could be used to inflict injury, or which might cause a person to believe he or she may be in danger of being harmed.
 3. Section 3. The possession, solicitation, sale, distribution, or use of any illegal drugs or substances, including credible supporting evidence indicating drug use, and/or the possession of drug-related paraphernalia (e.g. syringes, hookahs bongs, pipes, rolling papers not accompanied by loose tobacco, etc.). Possession of prescription drugs by a Lyndon State College student who does not have a medical problem which would require their use and where such substances have not been prescribed by a physician entitled to make such prescriptions. The use of legal substances in an illegal manner (e.g., aerosols, chemicals, etc.) and the possession/use of salvia is also prohibited
 4. Section 4. Trespassing or unauthorized presence in or on any college-held or college-related property and/or building.
 5. Section 5. Attempted or actual theft of college property or property of a member of the college community (i.e., faculty, staff, students, visitors, contractors and vendors). This includes theft of services or unauthorized use of college premises, facilities, vehicles or services, including but not limited to vending machines, college academic and/or library resources.
 6. Section 6. Vandalism, defacement, damage to or careless use of any part of the college premises or the personal property of the college or any member of the college community (i.e., faculty, staff, students, visitors, contractors and vendors). This includes, but is not limited to, vending machines and college academic and/or library resources.
 7. Section 7. Violations of any federal or state law or local ordinance which could be construed as an endangerment or a violation of state alcohol and drug laws. These may result in prosecution and sanctions by civil authorities. However, violations which adversely affect the interests and reputation of the college may result in disciplinary action being taken against any student by the college itself, independently of civil authorities.

8. Section 8. The use or possession of alcohol by persons under 21 years of age; providing person(s) under the age of 21 with alcohol; the consumption of alcohol in a public or communal area (e.g., parking lots, athletic fields, classroom buildings, lounges and suite hallways in residence halls); being in possession of or being in the presence of a beer keg or ball, case of beer or tap system. Students over 21 may not be present in a room with minors if there is alcohol present in the room unless the students are roommates. Students under the legal drinking age can't remain in a residence hall room where alcohol is present unless the students are roommates. In any case and for any reason, this does not permit alcohol consumption by roommates under the age of 21. Persons who are of legal drinking age may possess 750 ml. of hard liquor, one 12 pack of beer or two 750 ml. bottles of wine. No open containers, including empty cans and bottles or any cans and bottles used as decorations, are permitted in any student rooms or suites.
9. Section 9. Tampering with any mechanism which is part of the fire alarm system, a fire extinguisher, smoke detector, or any other piece of fire-fighting equipment, including willfully causing a fire, or a fire alarm to sound, and failing to evacuate a room or building when required.
10. Section 10. Furnishing false information to the college; engaging in forgery, alteration or improper use of any college record, key(s), identification card, or other document; withholding information a student knew or reasonably should have known to disclose to the college; or information which has been requested by a member of the college community who is authorized to request such information.
11. Section 11. Failure to comply with directions of, or interference with, any college official, faculty or staff member (i.e., residence life staff member) including the failure to properly identify oneself or to produce an identification card when requested to do so.
12. Section 12. Violations of the general residence hall policies and procedures including, but not limited to, the following:
 - a. Possession of illegal items prohibited by law or college policy (the presence of such items in a student's room is considered possession);
 - b. Violation of guest policy and/or violations of the Code of Conduct by guests;
 - c. Violation of quiet hours and/or disturbing others during non-quiet hours- this includes playing speakers out of a res hall window;
 - d. Unauthorized alterations of a room including painting, construction of lofts, etc.;
 - e. Evidence of possession of pets except fish;
 - f. Failure to attend a mandatory floor or hall meeting without an excused absence;
 - g. Violation of fire/safety regulations (e.g., tapestries not flat against a wall, egress or access to room being blocked or partially blocked);
 - h. Excessive non-college-issued furniture in the room that may pose a fire hazard or affect egress or access to and from the room;
 - i. Improper utilization of cooking equipment in rooms/suites;
 - j. Improper disposal of trash;
 - k. Throwing items out of windows;
 - l. Participating in hallway sports;
 - m. Possession of candles, incense, and/or open flames;
 - n. Significant interference with the normal residence life of others;
 - o. Persons of the opposite gender in other gender bathrooms;
 - p. Smoking in a residence hall room or any common area of a residence hall or smoking in an area other than a designated parking lot.
 - q. More than ten people in a residence hall double or triple room, over 5 in a single room at one time and/or an excessive number of people in a residence hall room;
 - r. Violations of the outdoor riding and skating policy.
 - s. Possession of college lounge furniture in a residence hall room and/or improper use of furniture- ie. taking it apart or removing it from your room.
13. Section 13. Participation in a campus demonstration which adversely disrupts the normal operations of the college and which poses a threat to the safety of the college community and property. This also means intentional obstruction that unreasonably interferes with freedom of movement, either pedestrian or vehicular, on campus.

14. Section 14. Theft or other abuse of computer time or phone service including, but not limited to:
 - a. Unauthorized entry into a file for any purpose, including to use, read or change its contents.
 - b. Unauthorized transfer of a file (not including personal files).
 - c. Unauthorized use of another individual's identification and/or password.
 - d. Use of computing facilities to interfere with the work of another student, faculty member or college official.
 - e. Use of computing facilities or phone service to send threatening, harassing, obscene or abusive messages.
 - f. Use of computing facilities to interfere with the normal operations of the college's computing system.
 - g. Fraudulent use of phone service.
 - h. Use of phone system to interfere with the normal operations of the college's phone system.
 - i. Violation of any Vermont State Colleges' computer policy;
 - j. Use of an unapproved wireless router.
15. Section 15. Compromising the security of the card access or locking system including, but not limited to, the following:
 - a. Using another person's ID card to gain access to any building, facility or services.
 - b. Tampering with and/or vandalizing any locking or card access equipment.
 - c. Propping any residence hall entrance or exit door is prohibited.
16. Section 16. Abuse of the judicial system, including, but not limited to:
 - a. Failure to respond to written summons letter of college official(s) within specified time frame.
 - b. Falsification, distortion or misrepresentation of information before hearing officer or appeal board.
 - c. Disruption or interference with the orderly conduct of a judicial proceeding.
 - d. Failure to comply with sanctions as specified.
 - e. Making false charges.
 - f. Attempting to discourage an individual's participation in, or appropriate use of, the judicial system.
 - g. Attempting to influence the impartiality of the hearing officer, hearing panel, or Judicial Appeals Committee members prior to, and/or during the course of, the judiciary proceeding.
 - h. Harassment (verbal or physical) and/or intimidation of hearing officer, hearing panel, or Judicial Appeals Committee prior to, during and/or after a judicial proceeding.
 - i. Influencing or attempting to influence another person to commit an abuse of the judicial system.

C. Violations of Law and College Discipline

Students are expected to abide by local, state and federal laws. The institution will provide no sanctuary for those who violate such laws, and the college reserves the right to discipline students charged with criminal violations. While most disciplinary action will result from alleged infractions of college rules that occur while the student is on the campus, students involved in off-campus incidents which pose a danger or threat to the safety of others may also be charged through the college's disciplinary procedures if it is judged by the President of the college that the alleged incident jeopardized the college's positive relationship to the local community or if there are grounds for believing that the student may pose a threat to the safety of self and/or others or to the integrity of the educational function of the college.

College disciplinary proceedings may be instituted against a student charged with violation of a law or regulation that is also a violation of this code. Proceedings under this code may be carried out prior to, simultaneously with or following any civil or criminal proceedings off-campus.

- Article III: Conduct Administration Proceedings

- A. Charges & Hearings - Members of the college community who file conduct charges against a student for misconduct must contact the Residential Life or Student Affairs offices. Charges will be prepared in writing by the Residential Life Office and submitted to the Public Safety Office for public logging purposes. Any charge must be submitted within five business days (Monday through Friday) of the realization and/or discovery of the alleged violation, exclusive of holidays. This time limit does not include charges as a result of criminal acts which involve off-campus law enforcement authorities or if existing laws prohibit this time limit or if existing college policies have a different time limit (e.g., VSC Policy 311 "Non-discrimination and Prevention of Harassment and Related Unprofessional Conduct).
- B. First Step: Conduct Hearing Officer - The Dean of Academic and Student Affairs or his/her designee will conduct an investigation to determine whether the charges are meritorious. The hearing officer or hearing panel will issue a judgment and a sanction. Sanctioned hearing officers include Residence Hall Directors, the Dean for Student Affairs, and the Director of Residential Life. The standard of proof shall be a preponderance of the evidence. All decisions will be presented to the accused student in written form. Alleged violations of the Code of Conduct can result in the filing of conduct charges.

Important Information Regarding the Code of Conduct

- 1. A Lyndon State College student who may be responsible for any behavior or misconduct that is a violation of the Code of Conduct and is subject to disciplinary action shall be afforded due process that is appropriate for college judicial matters.
 - 2. These regulations at the college are set forth in writing in order to give students general notice of prohibited conduct. The regulations should be read broadly and are not designed to define misconduct in exhaustive terms.
 - 3. The provisions of the Code of Conduct are not to be regarded as a contract between the student and the college. The college also reserves the right to amend any provision herein at any time.
 - 4. Any behavior which may have been influenced by a student's mental state (irrespective of the ultimate evaluation) or the use of drugs or alcoholic beverages shall not in any way limit the responsibility of the student for the consequences of his or her actions.
- C. Sanctions
- 1. Interim Sanctions
 - a. Interim Conditions - The college recognizes that students may be accused of offenses that may present a danger of the potential for serious harm to the accused or to other members of the college or surrounding community. In such cases, the appropriate college official may impose temporary sanctions pending a hearing by a hearing panel.
 - b. Immediate Suspension from Housing; Suspension or Dismissal - Under the circumstances listed below, the Dean of Student Affairs or a designee may impose a suspension from housing, college suspension or dismissal or residence hall suspension or dismissal.
 - I. Immediate suspension or dismissal may be imposed only:
 - i. To ensure the safety and well-being of members of the college community or preservation of property;
 - ii. To ensure the student's own physical or emotional safety and well-being;
 - iii. If the student poses a definite threat of disruption of, or interference with, the normal operations of the college.
 - II. During the suspension or dismissal, students will be denied access to the residence halls and/or to the campus (including classes) and/or all other college activities or privileges for which the student might otherwise be eligible, as one of the deans may determine to be appropriate.
 - III. This type of interim sanction will result in the case being heard by a hearing panel within ten business days of the interim sanction.
 - 2. Range of Sanctions - The following sanctions may be imposed upon any student found to have violated this code. Any combination of sanctions listed in this section may be imposed for any single violation. Sanctions are not necessarily progressive in nature. A first serious violation could result in suspension or dismissal from the college. This is not an exhaustive list:

- a. Verbal Warning: In instances of minor deviations from the LSC Code of Conduct, the student may be formally warned of possible consequences of continuing such behavior. No other specific action is taken unless further misconduct occurs.
- b. Disciplinary Warning: A written notice to the student that certain behavior is inappropriate.
- c. Fines: Fines may be assessed and the amount will reflect the degree of seriousness of the violation. All fines are considered legitimate debts to the college, and nonpayment may result in any of the following penalties: prevention from continuation in classes, and/or prevention from attending the graduation ceremony, receiving diploma and receiving copies of student transcripts and records. Damage fines will go to replace or repair the damage.
- d. Judicial Work Hours/Restitution: This action requires students to perform a specified number of work hours on or off campus at a community agency. Failure to work the assigned hours shall result in a fine twice the amount of the value of the hours of said work figured at the current minimum wage.
- e. On-line Certificate Program: This sanction requires students to enroll in a predetermined on-line course. Students have to pass the course by at least 80% or retake the course until they do score at least 80%.
- f. Disciplinary Probation: A period of time during which a student's behavior is subject to close examination. Students who are found responsible for further violations are subject to greater sanctions including residential suspension or dismissal or suspension or dismissal from the college.
- g. Loss of Privileges: Denial of specified privileges for a designated period of time. This includes, but is not limited to, any and all privileges pertaining to campus housing, operating and parking motor vehicles, use of other college facilities, visitation, or use of any campus facility or service as well as participation on athletic teams or clubs and organizations. This also includes access to the library, computer labs and campus activities.
- h. Restitution: Compensation for loss, damage, or injury may take the form of appropriate service and/or monetary or material replacement.
- i. Counseling Services: Students who violate alcohol and other drug policies on campus and/or demonstrate the need for emotional support by violating the Code of Conduct can be mandated to meet with a college counselor on campus.
- j. Residence Hall Suspension or Dismissal: Indicates that a student is not eligible to live in or visit the residence halls. It may be for a specific length of time, it may be permanent, and it may be limited to a specific residence hall or applied to all residence halls. Campus visits may be restricted to academic areas only. Housing and meal fees will be prorated.
- k. Completion of Substance Abuse Counseling/Treatment or Personal Counseling Program: Successful completion of an approved alcohol/substance abuse and or personal rehabilitation program off campus may be required as a condition for continued matriculation and/or readmission to the college. The financial responsibility of the cost belongs to the student who is sanctioned.
- l. College Suspension: Suspension from the college is traditionally for a period of one year, but may be for lesser or greater periods of time. Suspension may take effect immediately upon the dean's decision and includes suspension from classes, residence halls and all campus visitations, unless specifically authorized. Any student arrested by the civil authorities and charged with a felony may be immediately suspended from classes, pending further decision by the Dean of Academic and Student Affairs or designee. Tuition is refundable according to the published schedule set by the federal guidelines and adhered to by the Business Office of the college.
- m. College Dismissal: Permanent separation of the student from the college. Tuition is refundable according to the published schedule set forth by federal guidelines and adhered to by the Business Office of the college. Students who harm or have the potential of harming others will be disciplined and may forfeit their right to be members of the

college community. If a situation warrants such action, completion of course credits will not guarantee students a degree.

D. Disciplinary Guidelines

Students shall be notified in writing within 72 hours in advance of a hearing by the appropriate college official that they are accused of a violation. The letter shall be delivered by campus, U.S. mail and/or e-mail or, if necessary, hand delivered and will detail the charges made against them. Students may elect to waive the right to 72 hours notice by signing a release to that effect. Hearing procedures are as follows:

1. Generally, the hearing shall be conducted within fifteen business days by the designated college official.
2. Hearing panels hear only cases involving interim sanctions or cases with potential for eviction or suspension or expulsion and only if the accused student is not already on probation.
3. The decision reached by a hearing panel or hearing officer shall be communicated in writing to the student by the Dean of Student Affairs or his/her designee.
4. The designated hearing officer shall generally, within five business days after receiving the hearing panel's recommendation, render a written decision in the disciplinary matter consisting of findings of fact, sanction(s) and reasons therefore which shall be included in the student's record.

E. Hearing Guidelines and Procedures

If alleged violations result in a hearing, students will be so informed and the following guidelines shall apply:

1. Students are required to appear in person at the hearing and present their defense. If a student does not appear, the hearing shall be held in his or her absence. For students who choose to have an inactive role, the hearing officer/panel may draw inferences or conclusions from documentary evidence that responsible persons are accustomed to relying on in serious matters. Students who fail to appear at hearings waive their right to an appeal.
2. Accused students are entitled to an advisor. The advisor may speak only to the student advisee. An advisor of their choice may not conduct a "defense" nor speak on behalf of the accused student nor make any presentation to the hearing officer or panel. In the event the student selects an advisor who is an attorney, the college may also have an attorney present at the hearing. If an attorney or advisor is attending the hearing, the college needs to be notified 72 hours in advance of the hearing. They may not speak directly to the hearing officer/panel.
3. Both the aggrieved and accused student shall be entitled to ask questions of the hearing officer(s) and any witnesses and to testify on their own behalf. An aggrieved student can choose to present his/her own case or ask the college to present the case on his/her behalf. All questioning shall be monitored by the hearing officer/panel in order to maintain reasonable order and decorum. The college must be notified 24 hours prior to the hearing if the accused student is bringing witnesses. Likewise the college must inform accused students of witnesses 24 hours in advance.
4. Strict rules of evidence shall not apply to disciplinary hearings. Oral and documentary evidence may be received and considered if it is the kind which responsible persons are accustomed to relying on in serious matters. The hearing officer/panel may, however, exclude irrelevant or unduly repetitious evidence. The hearing officer/panel shall make all rulings on evidentiary questions.
5. The accused student and case presenter may be present throughout the hearing but shall be excluded from the deliberations of the hearing officer/panel.
6. Upon written request, a tape recording of judicial hearings shall be made. If a student requests a tape recording of the proceedings, the principals may have access to the tapes for the purpose of review relating to an appeal. Such tapes shall be kept by the college and will remain on campus until all appeal rights have been exhausted, at which time they will be erased.
7. All hearings will be conducted with due regard to the right to privacy as provided for in the Family Educational Rights and Privacy Act of 1974. Names of students involved in a disciplinary hearing shall not be released except as permitted by law.
8. Hearing Officer or Panel Format
 - a. Call to order

- b. Introduction by hearing officer or hearing panel members
- c. Challenge to members of the panel for bias (Panel only)
- d. Reading of the charges by the hearing officer and citing of the regulations violated
- e. Presentation of the colleges case by the judicial officer
- f. Presentation of the college's witnesses (Witnesses for the college and the accused are called into the hearing one at a time and questioned individually)
- g. Questioning of the judicial officer and the witnesses by the accused student
- h. Presentation of the case by the accused student
- i. Presentation of the witnesses by the accused student; questioning of the accused student and the witnesses by the hearing officer or by the members of the panel
- j. Recall of any witnesses
- k. Summary arguments from each side
- l. Deliberation on the evidence by the hearing officer or members of the panel

F. Appeal Guidelines & Procedures

Students shall be notified in writing of the right to appeal the decision of the hearing officer or the hearing panel to the Judicial Appeals Committee. A "Request for Appeal" form must be completed and returned to the Student Affairs Office within 5 (five) business days. If a student waives his/her right to a hearing or fails to appear for a hearing, he/she cannot appeal.

1. Judicial Appeals Committee

The Judicial Appeals Committee is comprised of a group of faculty members, students and staff members. Student members will be recruited and appointed by the Dean of Academic and Student Affairs or his/her designee. Faculty members are nominated by the faculty chair. Staff members are recruited and appointed by the Dean of Academic and Student Affairs or his/her designee. A pool of members will be recruited from each constituency. The committee will not meet with fewer than 50% of the membership. Residential Life staff members are ineligible to serve on the Judicial Appeals Committee.

2. Appeals Procedure:

- a. Within five business days following a decision by the appropriate college official, the student may appeal the decision to the Judicial Appeals Committee. Appeal forms are available from the Student Affairs Office (Rita Bole 304). Appeals should be submitted to the attention of the Associate Dean of Student Affairs.
- b. The committee will conduct its review and base its decision on the written reports or arguments of the aggrieved student, the hearing report from the hearing officer or panel which originally heard the case, minutes or the tape recording of the original hearing (if applicable), the original reports of alleged misconduct and supporting documentation from the file and any other case materials submitted by the Associate Dean of Student Affairs. Rights of review do not entitle students to personal representation nor to a full rehearing of the case.
- c. The responsibility to "prove" an appeal rests with the student who files it. The student must provide sufficient written material to support his or her case.
- d. Students' appeals must be based upon one or more of the following criteria:
 - I. New evidence has become available that was unavailable at the time of the original hearing. The Judicial Appeals Committee shall rule on the admissibility of new evidence. If the committee rules that the evidence should be admitted, the case shall be returned to an original-level hearing officer or panel. The person bringing charges will be provided with - and given an opportunity to rebut - the new evidence before a new hearing takes place.
 - II. A procedural error that hindered the student in presenting his or her case; such an error must be substantial as to warrant a new hearing. In such cases, a new hearing would take place with an original level hearing officer or panel.

- III. The severity of the sanction is not consistent with the gravity of the offense. If the Judicial Appeals Committee believes that this is the case, the committee shall recommend a different sanction.
 - e. After conducting its review, the Judicial Appeals Committee shall make a recommendation to the college President or designee. This recommendation may be to affirm or reverse the original level decision, to change the sanction(s) or to require a new hearing.
 - f. Appeals will generally be reviewed within fifteen business days of the student's written request, unless otherwise approved by the Dean of Student Affairs.
 - g. If a new hearing is recommended, it will generally be held within ten days of the President or President's designee's acceptance of the committee's recommendation, unless otherwise approved by the President.
 - h. During summer and vacation periods, when the Judicial Appeals Committee is not convened, the President of the college or designee, who previously was not involved in the case, shall act as final appeal officer.
- Article IV: Interpretation and Revision
Any questions of interpretation regarding this code will be referred to the Dean of Student Affairs or his or her designee for final determination. This Code of Conduct will be reviewed annually under the direction of the Dean of Student Affairs or his or her designee.

A. Student Records

All disciplinary sanctions are a part of the student's confidential record maintained in the Dean of Student Affairs' office. After a period of two years from the student's date of last enrollment in any degree or certificate program, all records and sanctions except dismissal from campus housing, suspension, and dismissal from the college are destroyed.

B. Records and Confidentiality

The Dean of Student Affairs' office shall maintain disciplinary records, tracking system, and a log, which shall include, but not be limited to, the student's name and related identifying information; applicable Code of Conduct section(s); parties involved; description of the incident, sanction, restrictions and any other data deemed relevant. Disciplinary records and related information shall be made available to members of hearing boards, appeals committees and appropriate college personnel who have legitimate professional and educational interest; this includes student members of the appeals committees and other appropriate college personnel, as necessary. If a student has been found guilty of a second alcohol/drug policy violation, parents may be notified of the violation. Additionally, if a first offense is serious enough, i.e., results in hospitalization, injury to others or self, parents may also be notified.

Students may arrange to review their own disciplinary records and related information by contacting the Student Affairs office. For a complete statement of student rights pertaining to the Family Educational Rights and Privacy Act (FERPA), please contact the Dean of Student Affairs office or the Student Service office.

Johnson

Academic & Student Life

Orientation

New campus-based, first-year and transfer students must attend an orientation program that occurs just prior to the start of the semester. Students will participate in a series of meetings, information sessions, small-group activities, social gatherings and special events intended to ensure a successful transition to Johnson State College. Administrators, faculty, staff and upper-class

students are available to assist students with their introduction to the JSC community. Students will have an opportunity to discuss academic requirements, social and recreational activities, and the regulations and rules governing college life.

Office of First-Year Experience

The First-Year Experience Program includes a variety of programs and services designed to help first year students make a successful transition to the demands of college life. FYE is consists of the following components:

- New Student Orientation
- First-Year Seminars
- Common Reading Initiative
- Residential Programming
- Peer Mentoring

Advising & Registration Center

This Advising & Registration Center coordinates a variety of programs and services, encouraging students to be active participants in their own educational development. A student's academic record is both an ongoing point of reference and a road map toward successful completion. Advising is the process that informs a student's plans and curricular decisions. This Center is here to help students make that journey as smooth as possible. Programs and services include:

- First-year academic advisors
- General academic advising
- Academic health advising
- Assistance in choosing a major
- JSC's Exploratory program for students who have not yet declared a major
- International student support
- National Student Exchange
- Study-abroad opportunities and advising
- Transfer credit evaluations
- Transcript requests
- Degree audits & graduation coordination

National Student Exchange

The National Student Exchange (NSE), coordinated out of the Advising & Registration Center, is a network of nearly 200 colleges and universities in the United States and Canada. Through NSE, JSC students who meet the eligibility requirements can spend a semester or a year at one of these institutions, earning credit toward their JSC degree typically at JSC tuition rates. International exchange opportunities are available through participating institutions with study-abroad programs open to NSE exchange students.

Study Abroad

In addition to the study-abroad opportunities available through NSE and various affiliate programs, many JSC programs and faculty sponsor short-term international study tours, field research projects and service learning opportunities. Early planning is encouraged to assure the timely completion of all academic degree requirements. Students considering a semester abroad should meet with an advisor in the Advising & Registration Center at least six months prior to the semester in which they wish to study abroad. All study-abroad experiences that are not part of a class must be arranged through the Advising & Registration Center.

Support for International Students

Johnson State College creates opportunities for the campus community to meet and interact with students from multicultural and international backgrounds. Committed to enhancing the diversity of its student body, the College promotes the enrollment of international students, as well as U.S. residents who are English language learners (ELLs), whose participation in college life helps expand the JSC community's awareness of world and intercultural issues and events. Students at JSC have come from numerous countries, including Canada, Colombia, Jamaica, Korea, Mexico, Brazil, Saudi Arabia, Sweden, Japan, Pakistan, France, Poland, Indonesia, Norway, Congo, Sudan, Romania, China, Gabon, Argentina, Somalia and the Philippines.

JSC offers a wide range of support to English language learners to assist in a successful transition to the challenges of American college life and studies, including: orientation to campus and community life; support for cultural and academic adjustment; advice and assistance with career, immigration and visa matters; advocacy to enhance campus awareness of multicultural perspectives; and academic support to meet the needs of international students and English language learners.

Academic Support Services

The Office of Academic Support Services offers a range of support to JSC students as they progress through their college careers. The goal is to provide support that empowers students to successfully complete their college education and prepares them for further education and employment. The office works with all students at JSC, coordinates services for TRIO students, works with students to develop essential "college survival" skills such as note and test taking, active reading, study and research skills, and time management.

Services for Students with Disabilities

Johnson State College is committed to providing students with disabilities an equal opportunity to participate in all aspects of the educational environment. The learning specialist in the Office of Academic Support Services works with students with disabilities to obtain appropriate accommodations, such as testing accommodations, note-taking assistance, sign language interpreters, textbooks in alternative formats, and assistive technologies.

Current and comprehensive documentation of a disability is necessary to be eligible for academic accommodations. Guidelines and necessary forms are available on the JSC website and the MyJSC Portal at <http://MyJSC.jsc.edu>.

Academic Coaching & Tutoring

Academic Support Services provides a friendly and supportive environment for students seeking to improve their academic performance. Professional staff and peer coaches can help foster academic success by encouraging students to become more independent learners. Online tutoring is available to Distance Learning (DL) students with the first three hours per semester at no cost.

Services for TRIO Students

Academic Support Services is partially funded by a federal TRIO grant from the U.S. Department of Education. The purpose of TRIO is to provide support to populations typically under-served by post-secondary education. To be eligible for TRIO services, a student must meet at least one of the following criteria: be from a family where neither parent completed a four-year bachelor's degree; be from a family of low or modest income; or have a documented disability.

Services to students accepted into the TRIO program at JSC include priority standing for academic coaching, access to technology, financial-literacy information, and free tickets to selected campus cultural events.

Distance Learning Programs

Distance Learning (DL) programs at Johnson State College are designed for those seeking an alternative to the on-campus experience, who are expecting the same challenging courses and the same prestigious degree as those enrolled in our traditional on-campus programs.

Students enrolled in DL programs are generally restricted from participating in and/or gaining access to certain college activities, events, and facilities. They are, however, eligible for certain student services related to their program such as advising, career planning, etc., as well as other student support services.

Support services available to DL students include but are not limited to:

- Academic Advising
- Financial aid
- Library
- Tutoring
- Disability services
- Bookstore

Activities, events, and facilities not available to DL students:

- Campus housing
- SHAPE Fitness & Athletics Center
- Wellness Center
- Participation in campus-based clubs and organizations
- Student Government Association
- College transportation services including the Badger Bullet Bus and Morrisville Shuttle
- Varsity athletics

Career & Internship Center

Visit **Ellen Hill**, Internship Program Coordinator, and **Beth Walsh**, Coordinator of Career Development, when you have questions about internships, graduate school, resumes, the job search and interviewing.

Once you get to JSC, what should you do?

- Attend workshops
- Come to Pop-In Hours (for great popcorn and career conversations)
- Make an appointment with Ellen or Beth
- Attend Career & Internship Fairs
- Check out the website jsc.edu/careers
- Find jobs and internships at www.jscjobbank.wordpress.com
- Contact **Ellen Hill** at ellen.hill@jsc.edu 635-1439
- Contact **Beth Walsh** at beth.walsh@jsc.edu 635-1377
- Like us on facebook <http://on.fb.me/1joMcFb>
- Join us on LinkedIn <http://linkd.in/1nFaORK>

Public Safety

The Office of Public Safety is here for the safety of all students, faculty and staff on the JSC campus. In addition to overseeing campus security and This office also coordinates the work of the Campus Crisis Response Team, a group of staff and faculty that meets regularly to plan procedures in the event of a crisis or emergency on campus.

In addition, a variety of safety and security training programs are offered through the Residence Life office and the Counseling Center. Information on current JSC policies relevant to criminal actions, campus law enforcement, training programs, policies and campus crime statistics can be found on the Johnson State College website at www.jsc.edu/offices-non-academic-departments/public-safety/campus-safety-information.

Residence Life

The Office of Residence Life facilitates student growth and development by providing a variety of options in living environments, programs and activities. Student growth is fostered in an environment that encourages freedom of choice and responsible behavior. All residence halls and residence hall rooms are smoke-free. Each room offers Internet access, telephone service (with voicemail) and cable TV connection.

Housing Policies & the On-Campus Residence Requirement

To the extent that space is available, Johnson State requires full-time first- and second-year students to reside in on-campus housing and participate in the College meal plan. It is the College's philosophy that the residential life experience provides opportunities for educational, cultural and social enrichment that are necessary components of an individual's growth.

Detailed information about JSC residence halls and exemptions from the on-campus housing requirement is available on the JSC website at www.jsc.edu.

College Meal Plan

All students living on campus are required to participate in the College Meal Plan. Sodexo Food Service Corporation provides quality food service to the Johnson State College campus. Students are invited to take advantage of the numerous dining options that accommodate a variety of appetites and schedules. Vegetarian and vegan options, as well as hot line items, soups, salads and deli bar are available on a daily basis.

Meal plan exemptions will be considered for medical reasons. Requests to be released from the meal plan policy must be made in writing to the Housing Review Committee. The online exemption form must be used. Refer to the JSC website or Student Handbook for meal exemption criteria. See Tuition and Fees for current costs.

Student Health & Wellness

Johnson State College partners with Community Health Services of Lamoille Valley (CHSLV) to provide comprehensive health-care services to students. Students receive priority appointments on weekdays, with free transportation provided by the College to and from the nearby clinic in Morrisville. In addition, the College provides transportation and other services as needed to Copley Hospital, Mansfield Orthopedics and other medical facilities in the region.

On campus, the JSC Wellness Center, staffed by professional and graduate-student counselors, provides free counseling and referrals, presentations and workshops, campus-wide mental-health screenings, and mental-health crisis assistance. All services provided by the Wellness Center are free to students.

For details, please refer to the Student Services section of the JSC website (jsc.edu).

Clubs, Organizations & Athletics

Student Government Association & Student Activities

The JSC Student Government Association (SGA) fosters student involvement in a wide range of social, cultural, intellectual and recreational activities on campus. Each undergraduate who pays the activity fee (living on or off campus) is a member of the JSC Student Government Association. The SGA budget is derived from the annual student activities fee. The budget provides funding for an extensive schedule of dances, concerts, films, lectures and other student-planned activities and events.

Clubs & Organizations

JSC has several clubs and student organizations that provide opportunities for students to gain valuable leadership experience while sponsoring numerous events for the entire campus community. Club sports are organized by students and compete at a level that is determined by the club members and in consultation with the Office of Student Activities.

Detailed information about JSC clubs and student activities is available on the Student Life section of the JSC website at www.jsc.edu.

Athletics & Recreation

Johnson State College fields 15 varsity teams that compete in NCAA Division III (North Atlantic Conference):

- Basketball
- Cross Country
- Golf (men)
- Lacrosse (men)
- Soccer
- Softball (women)
- Track and Field
- Tennis
- Volleyball (women)

The mission of the JSC Department of Athletics & Recreation is to provide comprehensive and competitive varsity programs for skilled student-athletes as well as recreational opportunities for all students. Varsity athletics programs at JSC are operated in a way that contributes to the personal development of all student-athletes. Students interested in competing on the intercollegiate teams must meet NCAA eligibility standards, which include maintaining good academic standing and satisfactory progress toward degree as defined by Johnson State College (see Academic Policies, Procedures & Regulations).

The department also strives to provide quality intramural and wellness opportunities for the Johnson State community. Through a wide variety of activity offerings, the Recreation and Intramural programs strive to provide opportunities that foster physical, social and emotional wellness. Offerings have been designed to provide equal opportunity for participation regardless of gender, age, race, interests, or motor skill level.

The Athletics & Recreation staff helps student-athletes develop skills in leadership, communication/motivation and time management. JSC student-athletes commit to serving as role models in the community and participate in a variety of community service and mentoring programs. Recent programs include Readers as Role Models, Kids' Night Out, Gym Days, Shooting for Goals, Special Olympics Basketball Clinic, Veterans Wheelchair Basketball, and camps and clinics in basketball, soccer, softball and volleyball.

JSC also offers numerous sports, fitness and recreational facilities and opportunities to all students on campus. See the Student Life section of the JSC website at www.jsc.edu and the Athletics website at athletics.jsc.edu for information about facilities, intramurals and recreation programs.

Code of Conduct

Each student is responsible for being aware of the policies, rules and regulations that govern the campus and set standards for behavior. The Code of Conduct is published in the Student Handbook and on the JSC Portal. The Code of Conduct explains the process by which disciplinary action may be taken for student misconduct. Copies of the Code of Conduct may be obtained from the Dean of Students Office.

Faculty and Staff

The Administration

ELAINE C. COLLINS, President, B.A. University of California Los Angeles, M.A. University of California Davis, Ph.D. Ohio State University Columbus

NOLAN T. ATKINS, Provost, Professor of Atmospheric Sciences, B.S. University of Minnesota; M.S., Ph.D. University of California Los Angeles

TOBY C. STEWART, Dean of Administration

JONATHAN M. DAVIS, Dean of Students, B.S. Lyndon State College

The Faculty NVU-Lyndon

Full-Time Faculty NVU-Johnson

Aubuchon, Christopher. Associate Professor
Ph.D., Mathematics, University of Kentucky
Specializations: Homological algebra and module theory, number theory

Bacchus, Tania S. Professor
Ph.D., Oceanography, University of Maine at Orono
Specializations: Oceanography (marine geology), quaternary studies, environmental sciences

Beach, Jensen. Assistant Professor
M.F.A., Fiction, University of Massachusetts-Amherst
M.A., English, Stockholm University

Bennion, Janet. Professor
Ph.D. University of Utah

Black, James. Professor
Ph.D., Systems Science, Portland State University
Specializations: Leadership, management, Java programming, general systems theory

Bou-Nacklie, N.E. Professor
Ph.D., Middle Eastern History, University of Utah
Specializations: Middle East, Africa, Third World

Brinegar, Kathleen. Associate Professor
Ed.D., Educational Leadership and Policy Studies, University of Vermont
Specializations: Middle Level Education, Adolescent Literacy, Women's Studies

Cezar, Henrique. Associate Professor
M.B.A., McGill University
Specializations: Financial market analyst, asset management, and international business

Cline, Sharon Elise. Professor
Ph.D., Modern French and European History, University of Wisconsin - Madison
Specializations: History of modern France, modern European intellectual and cultural history, European women's and gender history

Clute, Sean. Associate Professor
M.F.A., Electronic Music and Recording Media, Mills College

Dolci, Elizabeth D. Professor
Ph.D., Environmental Health Sciences, University of Michigan
Post Doctoral: Cell Biology, Yale University
Specializations: Cell signaling in paramecium, science education

Eddy, Isaac. Assistant Professor
M.F.A., Performance & Interactive Media Art, Brooklyn College, CUNY

Hoffman, Audrey. Assistant Professor
Ph.D., Special Education, Utah State University
Specializations: Disability Disciplines, Applied Behavioral Analysis

Hutchinson, David. Visiting Professor
Ph.D., Counselor Education, SUNY - Buffalo

Johnson, Leslie. Associate Professor
Ph.D., General/Experimental Psychology and Social Psychology, University of Vermont
Specializations: Stigma, the self, body image, and the psychology of women

Kanat, Leslie H. Professor
Ph.D., Earth Sciences, University of Cambridge, England
Specializations: Structural geology and metamorphic petrology

Leslie, Kenneth. Professor
M.F.A., Painting and Printmaking, University of Pennsylvania
Specializations: Painting, drawing and artist's books

Martin, Mary. Professor
Ph.D., Art History and Cultural Policy, University of Iowa
Specializations: 20th century art, African art, legal issues in art

McGough, David. Professor
Ph. D., Educational Policy and Administration: Social and Philosophical Foundations of Education, University of Minnesota
Specializations: Secondary education, foundations of education, leadership studies

Miller, Hannah. Assistant Professor
Ph.D., Teacher Education/Science Education, Michigan State University

Mireault, Gina C. Professor
Ph.D., Developmental Psychology, University of Vermont
Specializations: Infant humor perception and creation, social referencing, tantrums, parental loss in childhood

Moskowitz, Brad. Professor
M.A., Leadership and Experiential Education, Prescott College
Specialization: Outdoor education, adventure education and wilderness leadership

Pellerin, John. Associate Professor
Ph.D., Purdue University
Specializations: Chemistry, physics

Petrics, Gregory. Associate Professor
Ph.D., Mathematics, Dartmouth College

Plazek, David. Associate Professor
Ph.D., Political Science, West Virginia University

Plissey, Bethany. Assistant Professor
M.A., Music, Indiana University

Powell, Elizabeth. Professor
M.F.A., Fiction Writing, Vermont College
Specializations: Poetry, fiction, non-fiction

Schulze, Robert. Assistant Professor
Ed.D., Education, University of Massachusetts Amherst
Specializations: Special Education

Shaw, Tyrone. Associate Professor
M.F.A., Writing, Union Institute & University

Silver, Paul L. Professor
Ph.D., History, University of Pennsylvania
Specializations: Progressive movement and New Deal; women in American history; Chinese and Japanese history

Tarleton, Emily. Assistant Professor
Ph.D., Clinical & Transational Science, University of Vermont

Thacker, Tara. Assistant Professor

M.F.A., Ceramics, University of Washington

Theoret, Julie. Professor

Ph.D., Nonassociative Algebra, University of Virginia

Specialization: K-12 math education

Towner, Daniel. Professor

Ph.D., American Literature, Ohio University

Specializations: American literature, writing, film

Wolff, Maris. Professor

Special Training: Composition and Improvisation

Specializations: Modern dance, ballet, historical dance, Renaissance dance and history, Baroque dance, 19th Century dance, jazz dance, choreography dance history

Zinn, Elizabeth. Visiting Assistant Professor

Ed.D., Science, Natural Resources and Environmental Management, Ball State University

Part-time Faculty NVU-Lyndon

ADAMS, KIMBERLY, Natural Science

JAMES, NANCY, Education

ALBRIGHT, CHARLOTTE, Communications and Journalism

JARRETT, GABRIEL, Music & Performing Arts

BERTONE, KATHY, Business Administration

JOHNSTON, KEVIN, Natural Science

BETH, ALICIA, Education

KAPLAN, JONATHAN, Natural Science

CAMPBELL, DEREK, Music & Performing Arts

LANDER, JUSTIN, Visual Arts

CARBONNEAU, MICAH, Music & Performing Arts

LORIENT, GEORGE, Atmospheric Sciences

COLBY, KELLY, English Composition

MALONEY, LAUREN, Communications and Journalism

DAFFINRUD, COURTNEY, Psychology

MORISON, DONNA, Business Administration

DOWLING, DAN, Communications and Journalism /
Atmospheric Sciences

NELSON, KERRI, Communications and Journalism

DRELLOS, CHRISTSONTHY, Outdoor Education, Leadership,
and Tourism

O'REILLY, ELAINE, Psychology

DWYER, PAULINE, Natural Sciences, Mathematics

PEPIN-VOGT, NANCY, English Composition

EGAN, TIMOTHY, Business Administration

POLITIS, JAMES, Atmospheric Sciences

EVANS, SHEILAH, Business Administration

REEVES, SCOTT, Outdoor Education, Leadership, &
Tourism

FOLEY, DANNI, Visual Arts

SARETTE, SARAH, Education

GIESE, STEPHANIE, Business Administration
GONYAW, SHAWN, Education
GYURKOVICS, GABOR, Natural Science
HANDY, KATHERINE, Education
HANNA, CHARLOTTLE, Business Administration
HASKINS, KAREN, English Composition
HAYWOOD-BIRD, EDEN, Education
ISERN, GERMINAL, Mathematics

SEAD, BHURIN, Music & Performing Arts
STRAFFORD, SARAH, Psychology
STROKANOVA, ELENA, Social Science/Russian
THIBAUT, AMANDA, Atmospheric Sciences
TWOMBLEY, NORMA, Mathematics / Education
ULRICH, TIMOTHY, Mathematics
VADEN, NICHOLAS, Music & Performing Arts
VAN der LAAN, KYLE, English Composition
VISNESKY, JESSICA, Criminal Justice
WARE, THOMAS, Business Administration
WARNAAR, LINDA, Music & Performing Arts
WARSTLER, BENJAMIN, Exercise Science
WARWICK, ASHLEY, Music & Performing Arts
WILLIAMS, ELIZABETH, English Composition

Part-Time Faculty NVU-Johnson

(Partial list)

Alberi, Sawyer. B.S., U.S. Coast Guard Academy

Altman, Andrea. M.S., University of Bridgeport

Austin, Mary Jane. B.M., Cleveland Institute of Music

Baird, Sandra. M.A., University of Wisconsin

Baker, William. M.A., Johnson State College

Bandar, Leila. M.F.A., Boston University

Bathory-Kitsz, Dennis. Ph.D., Paideia Institute

Berryman, Laurie. Ed.D, University of Vermont

Bickerstaff, Jeffrey. Ph.D., Miami University of Ohio

Blair, Stephen. M.M., Music, University of Massachusetts

Blueter, DeAnne. M.A., Johnson State College

Bond, Bethany. M.F.A., Savannah College of Art & Design

Capps, Joe. B.M., Berklee College of Music

Cravedi, Stefanie. M.A., Middlebury College

Delongis-Shively, Danielle. M.S.W., Smith College, School for Social Work
Eastman, Linda. M.S., University of Vermont

Efromovski, Blagorodna. M.A. Johnson State College

Foster-Weston, Colette. B.S., Johnson State College

Hale, David. M.F.A., University of Michigan

Higgins, Philip. M.A., Johnson State College

Johnston, Kevin, Ph.D., Yale University

Kramer, Marjorie. B.F.A., Cooper Union School of Art and Architecture

Kroncke, Eric. B.A., University of Colorado, Boulder

Light, Steven. M.F.A., Sarah Lawrence College

May, Amy. M.F.A., Indiana University

McAleer, Alexandra. M.S., University of Vermont

McCarthy, Sally. M.A., Johnson State College

Mecklosky, Carolyn. B.F.A., Johnson State College

Mehn-Madrona, Lewis. Ph.D., Psychological Studies Institute

Metcalf, Michael. M.A., University of Arkansas at Fayetteville

Moore, Mark. A.A., Shepherd College, NOLS Certified

Moran, James. J.D., Vermont Law School

Perline, Kelly. M.Ed. with C.A.S., University of Vermont

Perline, Kevin. M.A., Johnson State College

Peryea, Bree. Ph.D., University of Vermont

Philips, Shaun. M.S., Southern New Hampshire University

Puleio, Mark. B.A., Prescott College

Rossiter, Timothy. Ed.D., University of Vermont

Salerno, S. Joseph. M.F.A., Indiana University

Schoenbeck, Lorilee. N.D., National College of Natural Medicine

Shanley, Richard. M.A. and Certificate of Adv. Graduate Studies, University of Vermont

Sparrow, John. Ph.D., University of New Hampshire

Stieglitz-Shell, Deborah. M.S., Johnson State College

Supple, Jennifer. M.S. University of Connecticut

Verderber, Gustav W. M.A., Ohio State University

Weiss, Russ. M.A., Johnson State College

Winkler, Robert. M.S., State University of New York at Plattsburgh

Zolnoski, Victoria. B.F.A., Johnson State College

Professor Emeriti NVU-Lyndon

BERRYMAN, BRUCE (1982-2015)

BLANCHARD, IRENE (1976-1998)

BOYE, ALAN (1987-2009)

EBBETT, BALLARD E. (1960-1998)

FITCH, JON (1974-2005)

GALLAGHER, SUZANNE (1972-1990)

GREEN, FRANK (1970-2004)

McGOWAN, DORIAN (1959-2006)

MILLER, DONALD H. (1959-1999)

MOYE, RICHARD (1991-2014)

PORTNER, RICHARD (1977-2006)

REEVES, CAROLYN (1982-2003)

ROSSI, RONALD (1976-2015)

VOS, KENNETH (1967-1999)

Professor Emeriti NVU-Johnson

Philip Chiaravalle. Emeritus Professor of Biology, Ph.D., University of Rhode Island (Deceased)

Kathleen "Kit" Cooke. Emeritus Professor of History, M.Litt., Oxford University

William Doyle. Emeritus Faculty of History, Ed.D., Columbia University

John Duffy, Emeritus Professor of Humanities, Ph.D., Syracuse University

Robert A. Ellsworth. Emeritus Professor of Latin American History, M.A., Columbia University (Deceased)

Selma Guttman. Emeritus Professor of English, Ph.D., Columbia University (Deceased)

Robert Hutchinson. Emeritus Professor of Education, Ph.D., University of Connecticut (Deceased)

Walter A. Minaert. Emeritus Professor of Physical Education, Ed.D., Boston University (Deceased)

Margaret Ottum. Emeritus Professor of Environmental & Health Sciences, Ph.D., Oregon State University (Deceased)

Kenneth Raymond. Librarian, Emeritus Professor of History, M.A., University of Vermont (Deceased)

Edward Stefaniak. Emeritus Professor of Science, Ed.D., Boston University School of Education (Deceased)

Albert Swinchoski. Emeritus Professor of Music, Ph.D., University of Kansas (Deceased)

Alice Whiting. Emeritus Professor of Education, M.Ed., Boston University

The College Directors and Staff NVU-Lyndon

Alex D. Allen

Public Safety Officer

Eddie I. Allen

Admissions Specialist

Stephen C. Allen

LAN/System Administrator

Thomas K. Anderson	Associate Dean for Academic Programs & Faculty
Kathy A. Armstrong	Assistant to the Dean of Administration
Jennifer M. Aubin	Assistant Registrar
Bonnie D. Babcock	Admissions Records Specialist
Debra M. Bailin	Director of Student Academic Development
Megan Barnes	Head Athletic Trainer
Elizabeth L. Bergman	Interlibrary Loan Specialist
David E. Bixby	Custodian
Jay D. Bona	Circulation Coordinator
Tanya W. Bradley	Director of Financial Aid
Rodney J. Call	Custodian/Maintenance Worker
Jody A. Card	Assistant Director, Financial Aid
Jo-Ann Charron	Custodian/Pool Technician
Christina K. Cotnoir	Assistant to the Dean of Students
Patricia R. Cross	Staff Assistant to Director of Physical Plant
Jessie Lynne Dall	Staff Assistant to Faculty
Alexandra R. Damato	Admissions Counselor
Michael A. Dente	Chief Technology Officer
Grace L. Dinapoli	Media & Marketing Coordinator
Denise M. Doyon	Custodian
Lori A. Drew	Coordinator of Academic Support Services
Terry K. Dwyer	Vehicle Mechanic/Grounds Maintenance Technician
Andre J. Eason	Asst. Director of Upward Bound
Charles M. Forrest	Public Safety Officer
Karen M. Fournier	Custodian
Miranda D. Fox	Registrar
Donna M. Gile	Staff Assistant to Faculty

Darlene N. Gilman	Staff Assistant for Conferences
Kathleen E. Gold	Director of Advising Resources
Jacqueline Goodwin	Custodian
Lisa R. Goodwin	Custodian
Nermin Hajdarevic	Master Maintenance Technician
Tim L. Hale	Custodian/Maintenance Worker
Jennifer K. Harris	Executive Director of Development & Alumni Affairs
Kelly-Ann Harris	Custodian
Brandon B. Heanssler	Web & Digital Designer
Stacy O. Hopkins	Student Services Consultant
Danielle R. Hume	Assistant Director, LEAP (AmeriCorps)
Edward A. Jacques	Master Maintenance Technician
Chantal A. Jean	Assistant Athletic Trainer
Jason N.T. Kaiser	Atmospheric Sciences Data Systems Administrator
Mark L. Lariviere	Custodian
Thomas J. Leiper	Senior Mechanical Systems Technician - Plumber
Kenneth W. Leonard	Custodian
Sara L. Lussier	Director of Annual Giving
David J. Martin	Financial Aid Officer
Shane E. Mason	Student Administrative Services Manager
Brian W. Michaud	Public Safety Officer
Darcie A. Miles	Executive Assistant to the President
Denise B. Moses	Coordinator of Academic Success Resources
Ann M. Nygard	Director, Center for Professional Studies
David Pasiak	Head Men's Basketball Coach & Sports Information Director
Joshua L. Peake	Custodian
Daniel M. Peal	Senior Mechanical Systems Technician - Electrician

Sylvia L. Plumb	Director of Marketing & Communications
Charlotte N. Porcelli	Director of Conferences & Events
Monique C. Prive	Acquisitions Coordinator
Diane W. Raymond	Student Admin. Services Consultant/Staff Assistant, Education
Rose E. Reynolds	Director, LEAP (AmeriCorps)
Dianne M. Rivers	Staff Assistant to Associate Academic Dean
Erin S. Rossetti	Director of Student Life
Nathan R. Rossetti	Public Safety Officer
Stephen P. Roy	Custodian
Jason R. Ryan	Assistant Chief Technology Officer
Tara-Jean Samora	Cataloger
Mary E. Schlesinger	Custodial Supervisor
Tracy W. Sherbrook	Assistant to the Provost
Deborah M. Sherwood	Custodian
David M. Siuta	Research Scientist
Robert E. Stowell	Public Safety Officer, pt
Tina M. Stowell	Custodian
Rhonda M. Trucott	Mailroom/Copyroom Supervisor
C. Richard Williams	Director of Upward Bound
Amy L. Wright	Director of Career Services

Staff NVU-Johnson

Loralie Adams, Transfer Credit Coordinator; Registrar's Office

Tom Adams, Custodian II; Physical Plant

Dianne Allaire, Mailroom Supervisor; Mailroom

Jeffrey Angione, Circulation Coordinator; Willey Library & Learning Center

Jessica Auperlee, Administrative Assistant; Public Safety Office

Leila Bandar, Writing/Humanities Specialist; Academic Support Services
Anthony Baraw, Assistant Director of Facilities, Physical Plant

Amy Beattie, Coordinator of Online Learning and Services; External Degree Program

Loretta (Lori) Biamonte, Administrative Assistant, Fine & Performing Arts Department

Jeff Bickford, Coordinator of Residential Life; Dean of Students & Residence Life Office
Tony Blueter, Director; Upward Bound

Sonja Bracey, Coordinator of Student Development; Upward Bound

Raymond Brior, Librarian II; Willey Library & Learning Center
Bonnie Burns, Custodian II; Physical Plant
Renate Callahan, Administrative Assistant; Business & Economics Department

Bobbi Jo Carter, Associate Dean of Distance Education
Michael Carter, Specialist Instructional Technology, Information Technology Services

Tammy Carter, Associate Registrar; Registrar's Office

David Cavanagh, Advisor; External Degree Program
Richard Chandler, Badger Bullet Driver

David Coolbeth, Maintenance Technician III; Physical Plant

Ashley Cormier, Student Administrative Services Consultant; Student Administrative Services

Lynda Despault, Custodian II; Physical Plant
Carolyn D'Luz, Staff Assistant; Academic Support Services

Daniel Dunnem, Custodian; Physical Plant

Jason Eckenroth, Director, Dibden Center for the Arts

Greg Eckman, Assistant Athletic Director of Student-Athlete Development; SHAPE Facility
Mary Fafard, Alumni Database Manager, Development & Alumni Relations

Barbara Flathers, Assistant to the Dean of Students; Dean of Students & Residence Life Office
Alice Godin, Interlibrary Loan Supervisor; Willey Library & Learning Center
Kimberly Goodell, Associate Director of Financial Aid; Student Administrative Services
Jeremy Greenwood, Manager; Bookstore

Elga Gruner, Assistant Director of Admissions; Admissions Office
Katrina Guaraldi, Admissions Counselor; Admissions Office
Bethany Harrington, Admissions Specialist; Admissions Office

Peter Haselbacher, Badger Bullet Driver
Catherine Higley, Administrative Assistant; Graduate Office
Ellen Hill, Internship Coordinator; Career & Internship Center

Penny Paradee Howrigan, Associate Dean of Enrollment Services; Admissions Office

Jarrold Irwin, Master Maintenance Technician; Physical Plant
Kevin John, Head Men's and Women's Volleyball Coach/Administrator

Tammy Johnson, Coordinator of First-Year Experience Support; Office of First Year Experience

Edson Jones, Master Maintenance Tech. III; Physical Plant
Lisa Kent, Access Services Librarian; Library
Sara Kinerson, Director of Advising; Advising & Registration Center
Eric Kirk, Marketing Design & Production Manager; College Communications Office
Carrie Koniuto, Office Coordinator; Wellness Center
Cindy Kullmann, Administrative Assistant; Academic Support Services
Michael Laflin, Security Officer; Public Safety
Andrew Lafrenz, Coordinator of Sport Management Concentration

Jo Ann Lamore, Assistant Academic Dean; Provost's Office
Kenneth Lanpher, Master Maintenance Technician; Physical Plant

Nita Lanphear, Staff Assistant; Physical Plant
Rosanne Lehouillier, Custodian II; Physical Plant
Finley Losch, College Counselor; Wellness Center

Elizabeth Lyon, Advising Programs Coordinator; Advising & Registration Center
Joye Lyon, Assistant Director of Admissions; Admissions
Jeff Machia, Vehicle/Equipment Mechanic II; Physical Plant
Julie Machia, Custodian II; Physical Plant

Karen Madden, Director; Academic Support Services
Elaine Manning, Custodian II; Physical Plant
Brian Marcoux, Custodian II; Physical Plant

Kathleen McCarthy, Director; Wellness Center
Martin McMahon, Mechanical Systems Technician II; Physical Plant
Michael Stevens, Director of Facilities; NVU

Ken Moore, Mechanical System Tech II; Physical Plant
Zachary Morse, Custodian II; Physical Plant
Emily Neilsen, Coordinator of First-Year Events, First-Year Experience Office

James Nichols, Head Athletic Trainer; SHAPE Facility

Susan Nichols, Assistant to the Provost; Provost's Office
Sandra Noyes, Staff Assistant; Humanities and Writing/Literature Departments
Rhonda Osgood, Staff Assistant; Distance Learning Program/NVU Online
Michael Palagonia, Director; Public Safety Office

Cindy Peatman, Custodian; Physical Plant

Lauren Philie, Director of Development and Alumni Relations

Dennis Richards, Custodian III; Physical Plant
Patrick Rogers, Director of Admissions; Admissions Office
Deneen Russell, Bursar; Student Administrative Services
Vicky Sanborn, Staff Assistant; Behavioral Sciences and Education Departments
Rory Savoie, Badger Bullet Driver

Justin Segale, Security Officer II, Public Safety Office

Miles Smith Assistant Athletic Director & Head Men's Basketball Coach; SHAPE Facility
Dannielle Spring, Director of Conference & Events Programming
Shane Stacy, Math/Science Specialist; Academic Support Services
Jennifer Stefanski, Assistant Director; Conference & Events Planning

Michelle Stemper, Assistant Athletic Trainer; SHAPE Facility
Toby Stewart, Controller; Student Administrative Services

Winifred Sullivan, Lead Maintenance Worker; Physical Plant
Krista Swahn, Director of Student Activities and Community Services
Jamey Ventura, Associate Dean of Athletics; SHAPE Facility
Andrea Wadlington, Student Administrative Services Consultant; Student Administrative Services
Beth Walsh, Director of Career Development; Career & Internship Center
Margaret Warden, Director of First-Year Experience; First-Year Experience Office

Michele Whitmore, Associate Dean of Students; Dean of Students' Office

Deborah Whitney, Custodial/Housekeeping Supervisor; Physical Plant