

Lyndon State College

2014-2015 Undergraduate Catalog

Catalog Home

Lyndon State College is accredited by the New England Association of Schools and Colleges. Accreditation by the association indicates that the institution has been carefully evaluated and found to meet standards agreed upon by qualified educators.

Lyndon State College prepares every student for personal and professional success through experience-based, high-quality programs in the liberal arts and professional studies.

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. Lyndon State College will provide reasonable accommodations to create equal opportunity for students with known disabilities.

Please contact the Lyndon State College Dean of Admissions or the Dean of Administration if auxiliary aid or service is needed to apply for admission.

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 Lyndon State College 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 Lyndon.

While the final version of the college's Class Schedule is the official announcement of course offerings for that semester, the college 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.

Policies and procedures outlined in this document are not completely accurate as Lyndon State College is endeavoring to address issues and streamline the educational and support programs provided to students and the community.

Brief History of Lyndon State College

The year 2012 marked the beginning of Lyndon State College's second century. Founded as a one-year "normal" school for teacher training housed at nearby Lyndon Institute, the College has evolved continuously since its establishment in 1911.

Consistent with educational practices of the times, the Lyndon Training Course expanded its curriculum in one-year increments, and the first two-year class graduated in 1923. In 1927, Rita Bole became principal of the school and oversaw the graduation of the first three-year class of nine students in 1934. Ten years later, the state allowed Lyndon to grant four-year degrees so long as it remained a teacher training institution; the first four-year degrees were granted to 18 students in 1944. By this time Vermont's Northeast Kingdom had come to depend on Lyndon to address the educational needs of its residents.

Miss Bole, who led the school until 1955, figures prominently in the College's history. She worked to encourage the Vermont State Legislature to establish Lyndon Teachers College, saw the admission of the first male and first out-of-state students during the 1940s, and oversaw the College's move to its current location, the former estate of Theodore N. Vail. T.N. Vail, first president of the American Telephone and Telegraph Company, had been instrumental in the establishment of Lyndon Institute, and Miss Bole recognized his vacant estate as the perfect place to house the growing school. The move to Vail Manor was completed on June 30, 1951, the day the school's lease at Lyndon Institute was set to expire.

In 1961, the State Legislature established the Vermont State Colleges system, and Lyndon Teachers College became Lyndon State College. Degree programs in the liberal arts were added to complement the teacher training programs that had defined the College from day one. This was the beginning of a period of rapid growth and, in 1964, the campus began to expand: one by one, a library, a dormitory, a dining hall, a science wing, a gymnasium, and a theater appeared. The growing student population and changing demands ushered in rapid expansion of the Lyndon curriculum. In the 1970s, new programs were added in business administration, special education, recreation, meteorology, communications, human services, and physical education. During this decade the original Vail Manor was deemed unsafe and the Theodore N. Vail Center was built on the site of the old estate. It now houses the Vail Museum, preserving the name that has long been an integral part of the Lyndon tradition.

In the late 1970s, the College recognized the needs of area educators for continued professional development and began a master's program in education. Today, the College has a growing graduate program offering teachers and administrators opportunities for advanced study, master's degrees in special education and curriculum and instruction.

Steady growth continued in the 1980s and 1990s with more new construction and the development of academic programs in response to the evolving needs of the community. A twenty-five meter, six-lane pool was added to the recreational facilities in the Bole Center, and the completion of the Library Academic Center expanded the space available for both library collections and classrooms.

At the start of the 21st century, other changes were afoot. Shifting demographics suggested that classes and services needed to be offered at different times—including evenings and weekends—and in alternative formats including online courses. Degree programs are designed to prepare students for a wide variety of professions, enhanced by an emphasis on experiential learning in real-world situations, career counseling, and the acquisition of skills critical for success in the workplace. Unchanged is the College's commitment to providing students with a strong foundation in the liberal arts as a key component of readying them for successful and satisfying careers in a rapidly changing world.

In 2005, a new residence hall and community building was constructed. The building was named The Rita L. Bole Complex, a continuing tribute to Miss Bole's legacy. In 2009, increasing enrollment led to the construction of The Academic and Student Activity Center, housing three academic departments, a student event center, and additional computer labs.

Serving a near-record enrollment of 1,450 students, Lyndon now focuses not only on the academic dimension of student experiences, but on the entire learning process, which includes many activities that take place outside the classroom. The Lyndon of today, which has grown gradually and naturally from its roots as a teacher education institution, is committed to student success, and to helping each student achieve his or her full potential. At the same time, the College continues its commitment to the community at large, striving to respond to the needs of the region and to serve as the educational, intellectual, and cultural hub of Vermont's Northeast Kingdom.

Mission Statement

Lyndon State College prepares every student for personal and professional success through experience-based, high-quality programs in the liberal arts and professional studies.

Lyndon State College - Core Values:

Quality Education

We offer *Quality Education* in liberal arts and professional programs that develops creative and critical thinking for success in today's global society.

Experience

We believe *Experience* is the hallmark of a Lyndon education, linking theory and practice, both inside and outside the classroom.

Opportunity

We create *Opportunity* for students of varying ethnic, cultural, and socioeconomic backgrounds to pursue an affordable, high-quality education.

Community

As a **Community** of life-long learners, we encourage personal and social responsibility, honesty, common sense, collaboration, respect for diversity, and the principles represented in the Lyndon State College Promise.

Integrity

We believe *Integrity* is emphasized in all facets of our community by holding true to our mission and values in the programs and services we offer and in our internal and external relations.

Campus Life

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

- Samuel Read Hall Library
- Information Technology Services
- Student Affairs
 - Students Reporting Absences
 - Emergency Messages
 - Health Services
 - Personal Counseling
 - Student Life
 - Residential Life
 - Rights and Responsibilities
 - Student Organizations and Activities
 - 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
 - Mathematics Resource Center
 - Writing Center
 - Advising Resource Center
 - Services for Students with Disabilities
 - Career Services
 - Veterans Affairs
 - Registrar's Office
 - Study Abroad

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

[^ TOP](#)

The Library is the heart of the campus and the hub of learning for the College and local community. The Library is where students gather to meet, study, have a cup of coffee, conduct research, use computing facilities, view a film or play a game of chess. Students come to the Library because it provides a comfortable and secure space for study and supports student research needs by providing a helpful staff and access to numerous high-quality resources in all formats. The service-focused Library staff teaches research skills and information literacy and helps all library users find the information they need. In addition to its own collections, the Library provides access to the information resources of the other Vermont State College libraries as well as national and international access to library materials. 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 the College archives as well as the Instructional Materials and Children's Literature Centers that support the Lyndon Education department and local educators.

The relaxed and informal atmosphere of the Library is the result of the staff making the Library an open and welcoming space for members of the College and local communities. 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

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.

Information Technology Services

[^ TOP](#)

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 campuswide 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

[^ TOP](#)

Academic Support Center

Academic success is central to your life at Lyndon. The Academic Support Center can help you acquire the skills and information you need to define and successfully pursue your educational goals. All students are eligible to receive academic support services. Make sure to visit the center in order to explore the useful services available to you.

Located in LAC 325, the Academic Support Center houses, Project Excel, Student Academic Development, and services for students with disabilities.

Project Excel provides individually assigned tutoring and academic and personal counseling. The Project Excel staff includes a Learning Specialist experienced in working with students with disabilities. The program is federally funded through the TRIO program, and eligibility for its services is determined by established federal criteria.

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

Remember, all students are eligible for academic support services; the staff will determine which program is appropriate for you.

Mathematics Resource Center

If you need assistance at any level of mathematics, Lyndon provides you with math tutoring services. One-to-one or small group tutoring is provided, free of charge. Peer tutors work with students on a drop-in basis (no appointment necessary), and the lab is open Sunday through Thursday (hours will vary). The Mathematics Resource Center also has a large library containing alternative textbooks, answer keys, CD's, video tapes, and mathematical software.

Writing Center

Like the Mathematics Resource Center, the Writing Center offers free, one-to-one peer tutoring on a drop-in basis. Writing assistants will work with you on any aspect of your writing, from beginning to end, regardless of subject matter. The center is open Sunday through Friday.

Advising Resource Center

The Advising Resource Center is available for students looking for hands-on assistance in course selection, scheduling, and using the online registration system, or other tips related to advising at Lyndon, like how to make the most of meetings with your

faculty advisor. The Center offers one-on-one help and take-away resources like charts for mapping your semester, a list of faculty advisor offices, general education checklists, graduation standards information, and more. Additional resources for student veterans are also available here. The Center is located between the Library and Academic Support, and includes the Student Success Specialist, Career Services and the First Year Experience offices.

Services for Students with Disabilities

Lyndon is committed to providing a broad spectrum of accommodations for students with documented disabilities who request services. Students who would like to talk with someone about possible 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 wishes one. Instructors and student-support personnel are prepared to provide reasonable accommodations that are appropriate for the nature of the disability and the course.

Lyndon does not have separate programs for students with disabilities and all students must meet requirements for individual courses, general education requirements, and degree programs. The college observes provisions of Section 504 of 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, and appropriate sections below.

Career Services

While the acquisition of knowledge is its own reward, concern about careers and appropriate major study areas is important, too. 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 academic departments and employers to facilitate internship opportunities for students. Career Services and its website offers students access to occupational references, self-assessment tools, employer directories, job and internship listings, and college and graduate school catalogs.

Career Services disseminates job 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 resume preparation, job search and interviewing techniques in order to give Lyndon graduates a competitive edge in the modern work place.

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.

Registrar's Office/Student Services Office

The Student Services Office in Vail 348 contains the services normally provided by the Registrars, 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 Financial Services Consultants available to serve the student population on the "frontline" as well as Financial Aid, Registrar 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 GlobaLinks, 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

[^ TOP](#)

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 safe and secure living environment.

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 24 members of the live-in residence staff which help direct this experience and learning, including four Residence Hall Directors, and 20 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 Organizations and Activities

Student Activities and Leadership Center

The Student Activities and Leadership Center, 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. The Center houses the Student Government Association, the Campus Activities Board, all student clubs, provides a variety of leadership opportunities including an annual Leadership Conference, as well as promoting 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. 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 Well" indoor climbing wall, the 18 hole disc golf course, a skate park, the outdoor low and high ropes course, and 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 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 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 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 these organizations emphasize group effort along with individual service and responsibility, while others, such as professional organizations, allow you 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

The 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. The publication is open to all students and can provide you with a creative outlet if you 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 on-line at the college website. The station's format and play lists 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. 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 them. 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.

Sports

You may be one of those who feel that along with the obvious benefit of physical fitness and health, sports and other athletic activities promote self-reliance, cooperation and a spirit of competitive fair play. The college's intercollegiate and intramural athletic programs are supported by a strong coaching staff, solid administrative backing and enthusiastic student participation.

Lyndon is a member of the National Collegiate Athletics Association (NCAA - Division III), North Atlantic Conference (NAC), and the Eastern College Athletic Conference (ECAC). Intercollegiate 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 lacrosse, women's volleyball, baseball, and softball.

Many students take advantage of our wide range of intramural sports to take a break from their academic routine. Over a dozen sports are available ranging from football, watersports and volleyball, to basketball, aerobics, tennis and wiffle ball. In addition, there are less traditional activities such as board game nights and Super Bowl celebrations. Whether you like to be active in sports or enjoy watching professional sports, there is intramural programming throughout the week for you.

Lyndon's campus recreational facilities are among the best in the region. The Rita L. Bole Center includes a fitness center, and houses racquetball courts, two gymnasiums and a 25 meter, six-lane swimming pool. Outdoors, there are tennis courts and fields for baseball, softball, and soccer. Skiers enjoy local cross-country trails while downhillers enjoy the facilities at nearby Burke Mountain, and the Lyndon Outing Club.

Public Safety

Lyndon State College is committed to ensuring that the 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 doing the actual escort. The Department of Public Safety maintains a daily incident report log, which is available for review during regular business hours.

The department oversees the College's emergency management plan. Anyone who would like information about the plan is welcome to contact the Director of Public Safety. Lyndon State College also has an Emergency Alert system. It is an instant, mass notification system that enables 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, emergency telephones that connect to Public Safety are available in the Library and Academic Center hallways, in the hallway outside the Burke Mountain Room, in the SHAPE facility hallway and 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 you 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, their telephone number is (802) 626-6466 or see their 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 currently over 7,500 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 Hannah Nelson Manley '97, Director of Alumni Relations & Development, at (802) 626-6433 or at hannah.manley@lyndonstate.edu.

[^ TOP](#)

Admissions

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

- [First Year Students](#)
- [Transfer Students](#)
- [Readmission After Withdrawal or Dismissal](#)
- [Part-Time Students](#)
- [Advanced Placement](#)
- [Early Admissions](#)
- [Early Acceptance Program](#)
- [Adult/Non-Traditional Students and Credit by Examination or Experience](#)
- [New England Regional Student Program](#)
- [Good Neighbor Policy](#)
- [International Admissions](#)
- [AFROTC](#)

The admissions staff considers each applicant for admission on three main criteria: ability, character and motivation.

Applying to Lyndon: All undergraduate applicants are encouraged to apply online.

Lyndon is authorized to accept applications from all qualified Vermont and non-resident high school graduates or persons holding a GED. Students who do not wish to enter a degree program are welcome to enroll in appropriate undergraduate or graduate courses on a space-available basis without formal admission to the college. The College has the right to refuse non-matriculated registration on the basis of any previous record at the college.

The College offers both an Early Action admission opportunity (students who apply by November 1 will receive their admissions decision by December 15) and a rolling admissions option for students who apply later than November 1 (students are admitted on a space-available basis). A non-refundable fee of \$46 or fee waiver must accompany each application. Students who are accepted for admission are required to send a \$200 deposit by the National Candidate's Reply date of May 1, which is applied toward tuition and fees. After May 1, this deposit is non-refundable.

Candidates for graduate study must use the paper application, which may be downloaded from the admissions web site or may be obtained by visiting the Admissions Office. **For programs and requirements, see the online Lyndon State College graduate catalog at www.lyndonstate.edu and follow the quick link to Online Catalog.**

Housing Guidelines: Unmarried students who are accepted to Lyndon as first-year students are required to live on campus for two academic years to the extent that campus housing is available. Those accepted as sophomores are required to live on campus for one academic year. Students whose permanent legal domiciles are within reasonable daily commuting distance or who are at least 23 years of age are exempted from living on campus. Exceptions due to extraordinary circumstances may be authorized by the Director of Residential Life. Students intending to live on campus must submit the \$100 housing fee, which is refundable until July 1. Any local student or a student of junior or senior standing who decides to live in a college residence must reside on campus for the full term of the housing contract, which is issued for a full academic year.

First Year Students

A complete application includes: a completed application form (submitted online or via paper), an official secondary school transcript, recommendations from guidance counselors and/or teachers, a personal essay, and SAT or ACT scores. Recommended secondary school preparation includes: four years of college preparatory English and at least two years each of college preparatory history, science, mathematics (algebra) and a foreign language. Atmospheric Sciences and Exercise Science applicants are recommended to have taken pre-calc and physics prior to enrolling at Lyndon. Specific courses suggested for some areas of study are noted under the descriptions of Lyndon's degree programs.

For home-schooled applicants, Lyndon relies on the home schooling guidelines put forth by the state in which the applicant resides. We accept the following Proofs of Graduation: Official General Education Development (GED) scores; evidence that the applicant has followed the guidelines set forth by their state of residence - this evidence may include a Certificate of Completion of a home study program or evidence 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 (some home schooled students receive a diploma from their area secondary school).

A non-refundable fee of \$46 must accompany each application. Students who are accepted for admission are required to send a \$200 deposit by the preferred date of May 1, which is applied toward tuition and fees. After May 1, this deposit is non-refundable.

Transfer Students

Transfer applicants must submit with their application: an official transcript from each college-level institution attended, a high school transcript showing graduation date, one letter of recommendation, and a personal essay. A transcript is required even if you are not requesting credit from a particular institution. Transfer credit may be given for appropriate courses completed with a grade of C- or above at regionally accredited institutions. 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 Lyndon. Students who enter Lyndon with a two-year degree will be placed in junior-level courses when possible.

Transfer students must meet Lyndon's general and major requirements to earn a degree. Students transferring into Lyndon to earn a Lyndon Associate's or Bachelor's Degree who have earned a previous Associate in Arts Degree from a regionally accredited U.S. institution of higher education are waived from the full Lyndon general education requirement.

Readmission After Withdrawal or Dismissal

A student who has withdrawn from Lyndon may apply for readmission by filling out a form available at the Admissions Office.

A student who has been dismissed may apply for re-admission on a form available at the Admissions Office. Re-admission is contingent on the completion of 12+ credits of strong academic work at another institution. In some cases, a dismissed student may be required to secure a statement of admissibility to a major program from an academic department. The decision to re-admit a student is based on the reasons for dismissal and the accomplishment of coursework at a level that indicates the student will now succeed in the program.

The Admissions Office will consider the recommendations of the Academic Dean, the academic department (when applicable), as well as records of social, financial and judicial actions in considering requests for re-admission.

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 Lyndon has no special rules regarding part-time degree candidates, financial aid may be affected.

Advanced Placement

Applicants who have completed examinations through the CEEB Advanced Placement Program with minimum grades of 3 are granted both advanced-placement and course credit, following evaluation by the Associate Registrar and appropriate department chairs. Further information is available from the Admissions Office.

Early Admissions (High School Seniors)

The early admission program allows qualified students who display exceptional ability and maturity and have exhausted the educational opportunities at their high schools to enroll at Lyndon as high school seniors. Under this initiative, students will complete the equivalent of their senior year in high school as new students at Lyndon. Students must schedule an interview with admissions for review of qualifications. Early admissions applicants must have the consent and cooperation of secondary school officials.

Early Acceptance Program (High School Students)

Under the early acceptance plan, Lyndon allows high school students to apply early to the college. A candidate who wishes to be considered for this program can apply after the completion of the junior year and before November 1 of their senior year. The student must present a high school GPA of 3.0.

Adult/Non-Traditional Students and Credit by Examination or Experience

Lyndon is proud of a long tradition of serving the adult and non-traditional student. Lyndon has set admission criteria for adult students 23 years or older to allow the experiences of these adult students to play a bigger part in the admissions process.

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 Assessment of Prior Learning option offered at the Community College of Vermont (CCV). In cooperation with the Office of External Programs of the Vermont State Colleges, Lyndon 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 1240) where they document all activities related to college-level work. Please talk with an admissions counselor about any of these programs for nontraditional students.

The CEEB College Level Examination Program (CLEP) offers credit by examination to those who believe they have achieved college-level learning through on-the-job training, independent study, correspondence courses, or televised lectures. Candidates may select any of the five general examinations or choose from a variety of specific subject examinations. Each test awards from three to six credits if passed above the minimum scores established by the CEEB and may be used to waive required or prerequisite courses in Lyndon's degree programs. Details concerning test dates and fees are available from: CLEP, College Entrance Examination Board, Box 592, Princeton, NJ 08540. For further information, contact the Registrar's Office.

New England Regional Student Program

Special tuition rates are offered to students from other New England states who are degree candidates in academic areas not offered by educational institutions in their home state. Under the New England Board of Higher Education (NEBHE) Regional Student Program, Lyndon provides qualified students with a significant tuition reduction over that usually paid by non-residents. The reduced tuition rate is considered to be part of a student's financial aid award and is dependent on formal admission to an appropriate degree program and satisfactory progress toward that degree.

New England Regional Student Program (NEBHE - Eligible Programs 2013-2014)

Major Program	Degree	CT	MA	ME	NH	RI
Animation and Illustration	B.F.A.			X	X	X
Applied Psychology/Human Services	B.S.	X			X	
Atmospheric Sciences	B.S.	X	X	X	X	X
Computer Information System/Atmospheric Sciences	B.S.	X		X	X	X
Design	B.F.A.			X	X	X
E-Journalism Arts	A.S.	X	X	X	X	X
E.Journalism Arts	B.S.	X	X	X	X	X
Mountain Recreation Management	B.S.	X	X	X	X	X
Music Business and Industry	B.S.	X	X	X	X	X
Sustainability Studies	B.S.	X	X		X	X
Visual Communications	A.S.	X				X

The Regional Student Program is open to new and transfer students from Connecticut, Massachusetts, Maine, New Hampshire and Rhode Island. Program eligibility is based upon the academic year the student enters Lyndon State College and the above program eligibility, subject to change without notice. For further information, contact the Admissions Office, or visit our web site at www.lyndonstate.edu.

Good Neighbor Policy

The Good Neighbor Policy provides a tuition scholarship for students whose legal residence is one of several designated towns in northern New Hampshire. Students are billed at full out-of-state tuition rates, but receive waivers that have the effect of reducing tuition to 50 percent above Vermont resident tuition; a significant savings over that usually paid by non-residents. A list of towns is available from the Admissions Office and on the LSC admissions web site at www.lyndonstate.edu.

International Admissions

International applicants use the same application as all undergraduate applicants. The fee for applying via paper is \$46. The tuition deposit for international students is \$1500; the housing deposit is \$100.

Documentation required from international applicants includes: application for admission, International Student Financial Statement (ISFS), bank letter on bank letterhead showing funds available for first year, original (or certified copies) and officially translated transcripts from all secondary schools and/or colleges attended, two letters of recommendation, proof of English proficiency (TOEFL or other approved test – see web site), application fee, and copy of passport.

Regardless of US residency status, an English proficiency examination is required of all students whose secondary schooling has been outside the US in a country where English is not the principal language. Acceptable English proficiency scores for various tests: Test of English as a Foreign Language (TOEFL) [a score of 500+ on the paper and pencil test, 173 on the computer-based test, or 61 on the Internet-based test]; International English Language Testing System (IELTS) [a score 6 or higher]; or the Michigan English Language Battery (MELAB) [a score of 76 or higher]. Students who have achieved a grade of B or better in a college-level English Composition course in residence at an accredited US college (not a foreign affiliate) are exempt from this requirement. English courses that are designated ESL, non-native, or which require a special support component, as well as courses taken outside the US, are not acceptable. Please also note that Lyndon does not accept any correspondence courses.

All international applicants are strongly encouraged to submit their application, credentials, test scores, and all financial documents required for an I-20 by November 1 for spring applicants or March 31 for fall applicants.

Once you are accepted as an international student and have responded by sending a deposit and required declaration of finances (signed by a bank official or a certified bank statement), Lyndon State College will issue you an INS (United States Immigration and Naturalization Service) form I20. This form allows you to apply to the U.S. Embassy or consulate in your home country for an F1 Visa. This visa allows you to enter and remain in the U.S. as long as you maintain full-time student status.

Students transferring from US high schools or colleges must complete the ISAR (International Student Advisor Report) before a Lyndon-issued I-20 will be created.

Detailed information and forms for international applicants may be found on at www.LyndonState.edu/international.

AFROTC and Army ROTC

Through a dual-enrollment agreement with Lyndon State College and Air Force ROTC, we are able to provide commissioning opportunities to students who wish to become United States Air Force Officers. Additionally, the Air Force has scholarship

funds available to assist qualified candidates to continue their studies, while earning commissions as Second Lieutenants in the Air Force. For more information, contact the Unit Admissions Officer at Air Force ROTC Detachment 867, Norwich University, 158 Harmon Drive, Northfield, Vermont. Call 1-800-468-6679 (press "1" for admissions, then ask for the Air Force ROTC Department) or visit us on the web at www.norwich.edu/cadets/airforcerotc.html.

Financial Aid

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

- [Application Process for Financial Aid](#)
- [Eligibility](#)
- [Satisfactory Academic Progress for Financial Aid Recipients](#)
- [Federal Aid Programs Administered by the College](#)
- [Other Federal Programs](#)
- [Lyndon State College Grants and Scholarships](#)
- [State Grants and Non-Institutional Scholarships](#)

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. Please be aware, however, that we assume students and their families will contribute to the costs 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, you will be expected to work or borrow to meet these expenses.

Three types of financial assistance 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; and various campus employment opportunities. Depending upon financial need, a student may be eligible to receive one or a combination of these types of aid.

Application Process for Financial Aid

Complete a Free Application For Federal Student Aid (FAFSA) on-line between January 1 and February 15 to be considered for all types of aid. Use FAFSA code #003689 to ensure that Lyndon receives your FAFSA application. If you use estimated income, update your income at www.fafsa.gov using the IRS Data Retrieval Tool. FAFSA's received later by Lyndon State College 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 Data Retrieval Tool on the FAFSA or a Tax Return Transcript for parents and student as soon as possible after filing.

All admissions candidates, including transfer students, must be accepted for admission before any action will be taken on financial aid applications. Returning students must be registered before any award commitment can be made. For further information, contact the Financial Aid Office.

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; 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.

Satisfactory Academic Progress for Financial Aid Recipients

Effective July 1, 2012, in accordance with new federal regulations -

Students receiving Federal Financial Aid must maintain "Satisfactory Academic Progress" at Lyndon State College in order to remain eligible for Federal Aid consideration.

The Financial Aid Office evaluates Satisfactory Academic Progress (SAP) once a year after the completion of the spring term. 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 (SAP) tests three standards:

1. *GPA (Qualitative) Standard* Students academically dismissed from their academic program are automatically recognized as failing to meet Lyndon State College's Satisfactory Academic Progress standards. Otherwise, as a student progresses through their academic program, their cumulative GPA must meet the following standards: Students with fewer than 30 attempted credits must maintain a cumulative GPA of 1.75, students with 30 attempted credits or greater, must maintain a cumulative GPA of 2.0, as recorded and documented by the Registrar's Office.
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 toward attempted credits.
3. *Maximum Timeframe Standard* A student's Maximum Timeframe 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 62 credits, therefore the maximum time frame allowed is 93 credit hours. BA or BS degrees require 122 credits, therefore the maximum time frame allowed is 183 credits hours.

The first time students are in violation of the Maximum Timeframe Standard, they will receive a "Suspension", making them ineligible for financial aid. There is no appeal for the Maximum Timeframe Standard.

Grades and Credits

Courses with grades of "W" (withdrawn), "I" (incomplete), and/or "F" (failed) are counted as courses attempted but not earned AND count toward the Maximum Timeframe Standard and the Pace Standard. Satisfactory Academic Progress status will include repeated and remedial coursework unless determined otherwise by the Financial Aid Office during review of a Satisfactory Academic Progress Appeal. Please note that transfer credits do count in determining the GPA (Qualitative) Standard, Pace (Quantitative) Standard, and Maximum Timeframe Standard for Satisfactory Academic Progress. The Financial Aid Office will NOT automatically adjust a student's Satisfactory Academic Progress status when grades are changed or finally reported, but rather ONLY upon request from the student. 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 Satisfactory Academic Progress 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 a letter sent to the mailing address on record. The first time a student falls below the GPA (Qualitative) Standard, or the Pace (Quantitative) Standard for Satisfactory Academic Progress, federal aid eligibility will be suspended. 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 Federal aid eligibility until the student is in compliance with SAP standards. A student whose Federal Aid eligibility has been suspended may appeal for a Probationary Semester by completing: (1) a SAP Appeal Form, and (2) writing a letter explaining the specific circumstances attributable to their noncompliance, and (3) meeting with a member of the Academic Support team. Academic Support will assist the student with strategies for successful completion of 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 LSC email and the decision is final.

If a student's appeal is approved they will generally be placed on an "Academic Plan" created in conjunction with a member of the Academic Support Office, and the student will be notified via LSC email. The student will be considered for federal aid during the probationary period for which the student has applied and is otherwise eligible. Once the probationary semester has concluded, the student may re-establish eligibility to be considered for federal aid for a subsequent semester by either:

Going forward the student's probationary status will remain effective as long as the student is below the requirements of either component of the Satisfactory Academic Progress Policy. This probationary status requires the student to strictly adhere to the requirements of their "Academic Plan" which generally requires (unless otherwise stated) the student to earn all credits attempted (no W's/Withdrawals) **and** to also earn a GPA of at least 2.00.

Federal Aid Programs Administered by the College

Federal Supplemental Educational Opportunity Grants (FSEOG), ranging from \$200 to \$1,300, are available to undergraduates with exceptional financial need. Priority is given to Pell Grant recipients.

Federal Perkins Loans at low interest (five percent) are made to both undergraduate and graduate students by the college from available funds. A total of \$20,000 may be borrowed by undergraduate and up to \$40,000 by graduate students (including undergraduate Perkins Loans/NDSL).

Federal Work-Study provides jobs on campus for eligible undergraduate and graduate students. A limited number of jobs are available off-campus for America Reads tutors.

Other Federal Programs

Federal Pell Grants for the current academic year range from \$605 to \$5,645, depending upon eligibility as determined by a national standard formula. Federal Stafford Loans (subsidized and unsubsidized) enable students to borrow federal loan funds.

Federal Direct Stafford Loans, from the William D. Ford Federal Direct Loan (Direct Loan) Program, are low-interest loans for eligible students to help cover their cost of education. Eligible students borrow directly from the U.S. Department of Education. A student cannot borrow more than the cost of attendance minus any financial aid, so in some cases the amount of a student's need may limit the amount of the Federal Stafford Loan. The federal government pays the interest on the Subsidized Federal Stafford loans while students are enrolled on at least a half-time basis. The student pays the interest on the Unsubsidized Federal Stafford Loan while the student is enrolled on at least a half-time basis.

The following chart provides maximum annual and aggregate (total) loan limits for subsidized and unsubsidized Direct Stafford 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)	Graduate and Professional Degree Student
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.	\$20,500
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.	
Third 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.	
Maximum Total Debt from Stafford Loans When You Graduate (aggregate loan limits)	\$31,000—No more than \$23,000 of this amount may be in subsidized loans.	\$57,500—No more than \$23,000 of this amount may be in subsidized loans.	\$138,500 -- The graduate debt limit includes Stafford Loans received for undergraduate study.

Federal Direct Parent Loan for Undergraduate Students (PLUS) allow parent borrowers of undergraduate, dependent students to borrow federal funds up to the cost of attendance minus financial aid. The interest rate is fixed at 7.9% and accrues from the first disbursement. Borrowers choose whether to begin repayment when the loan is fully disbursed or to defer repayment while the student is enrolled.

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. The Student Services Center provides information and assistance for those seeking education benefits.

Lyndon State College Grants and Scholarships

Lyndon State College offers a variety of scholarships 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.

Application deadlines are March 15th for new students and April 15th for returning students. Applications are available on our website at www.lyndonstate.edu by clicking on Financial Aid and Scholarships, then Forms.

State Grants and Non-Institutional Scholarships

Vermont Incentive Grants are awarded on the basis of financial need by the Vermont Student Assistance Corporation (VSAC). Any full or part-time undergraduate Vermont resident who plans to attend or is enrolled in an approved post-secondary institution is eligible to apply. An on-line application is also required.

Out-of-State Incentive Grants are available to qualified students from Connecticut, Maine, Massachusetts, Pennsylvania and Rhode Island. Application procedures vary and should be made directly to the Higher Education Assistance Agency from each of the states listed. Additional information is available on the FAFSA web site.

Non-institutional/outside scholarships are an excellent and frequently overlooked means of obtaining financial assistance. Local service organizations are an especially good source of scholarships.

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

Academic Policies & Procedures

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

- [Student Responsibilities](#)
- [Academic Advisors](#)
- [Course Substitution Options](#)
- [Course Offerings](#)
- [Credit Definition](#)
- [Class Schedule](#)
- [Internships and Cooperative Education](#)
- [Veterans Benefits for Co-Op Courses](#)
- [Independent Study](#)
- [Attendance in Courses](#)
- [Classroom Behavior](#)
- [Electronic Device Classroom Use](#)
- [Academic Honesty](#)
- [Basic Skills Competencies](#)
- [Academic Standing and Grading](#)
- [Graduation and Awarding of Degrees](#)
- [Registration](#)
- [Leave and Withdrawal](#)
- [Honors](#)
- [Academic Appeals](#)

Student Responsibilities

You have come to Lyndon State College expecting to receive a high-quality education. We intend to make good on that promise 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 rules, regulations and policies contained in the Lyndon State College Policy Manual. Copies of the manual are in the College library, or can be viewed on the College's web page. Ultimate responsibility for knowledge and observation of all academic rules rests with you.

Academic Advisors

When you are admitted to the college, you will be assigned an academic advisor in the area of your expressed academic interests and career objectives. Working with your advisor, you will select any required Basic Skills courses, appropriate General Education Unit courses, and the courses you need for your intended major programs. 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. You should consult with your advisor about every course you intend to register for each semester, as well as any changes after the initial registration. Students may change advisors at any time by submitting a Change of Advisor Form to the Student Services Office.

Course Substitution Options

Students may request consideration of substitution of courses, previous learning, or previous experience for courses offered at the college in three ways: waiver, challenge, or assessment of prior learning.

1. *Course Substitution Request*- Substitution of a specified LSC course for a required LSC course or of a transferred course for a required LSC course are approved by the Academic Standards Committee. Students need to initiate the process with the academic advisor. Even if a specific course requirement might be waived, the number of credits associated with required courses must be fulfilled through successful completion of other courses.
2. *Challenges* - Students also may request college course credit for a previous, specific, non-classroom learning experience. Students must demonstrate possession of knowledge that would allow the award of credit. Maximum credits allowed through this "challenge" process are 12. Credits awarded by challenge are treated as transfer credits. Course challenge forms are available at the Student Services Office. Payment of a fee is required to initiate the challenge process.
3. *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 External Programs of the Vermont State Colleges, Lyndon 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 where they begin to document all activities related to college-level work. Students may request 13 or more credits using this option.

Course Offerings

The diversity of course offerings at Lyndon allow the faculty to employ a wide range of instructional strategies with students. Lectures and seminars may be augmented by studio or laboratory work, or by independent or group research. Various courses use classroom and field experience with opportunities to explore techniques such as role playing or computer simulations. By using the descriptions of courses in this catalog and suggestions from instructors and faculty advisors, you can structure programs through which you may experience a variety of instructional techniques in meeting your educational or professional goals.

Credit Definition

The college uses a two-semester system of annual enrollment. Semesters are generally 15 weeks in length. A single-credit hour normally consists of either one hour of lecture or two hours of laboratory per week. **In general, students can expect approximately two hours of work outside of class for each one hour of work in class.**

Class Schedule

Lyndon's catalog of course offerings over the current academic year appears in this publication. While the college 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, Lyndon 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 college's Class Section Schedule for each semester is the official announcement of course section offerings for that semester. The college 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 college professors. The Internship and Cooperative Education Program 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 Lyndon State College 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 Unit). Educational goals and appropriate assignments for each course are developed by the supervising faculty member in consultation with the student. The faculty supervisor receives biweekly reports from the student and conducts on-site visits. Internships and Cooperative Education courses are measured in credit hours and are graded.

A minimum of 50 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. See the Career Services Office 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 Lyndon as "in-residence" course work must be directly supervised by the college, 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 half-time 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. The Independent Study is offered at the discretion of the various departments and is normally supervised only by full-time faculty members. The Independent Study must include a learning contract signed by the student, the student's advisor, the instructor, the chair of the sponsoring department, and the Dean of Academic and Student Affairs. The contract is available in the Student Services Office.

Attendance in Courses

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 course may be dismissed from that course with a failing grade.**

Classroom Behavior

The college recognizes the right of the instructor to control the academic environment of the classroom; disruptive behavior will not be tolerated. A faculty member may insist that a student leave the classroom or laboratory if the student is disruptive and does not heed a first warning. Should a faculty member determine that a disruptive student should be dismissed from a class for the remainder of the term with a failing grade, there shall be a written statement to the student, citing the student's right of appeal under Policy 151-XIII, and with copies to the Registrar and the Dean of Academic and Student Affairs.

Electronic Device Classroom Use

Electronic devices cannot be used in class unless instructionally relevant to the class. It is the prerogative of the instructor to establish his or her own policy for electronic devices. However, because Lyndon utilizes cell phones as part of its emergency warning system for campus-wide emergencies, an instructor may designate a person as a point of contact and allow that person access to her/his cell phone.

Academic Honesty

Academic dishonesty is a serious offense against the college 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, its basis in fact, and the appeals policy. Instructors may impose sanctions to include failure in the assignment, failure in the course, and dismissal from the course. Other possible judicial sanctions may be imposed by the Dean of Academic and Student Affairs or the Academic Standards 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.

For a more complete description of the official policy on academic honesty, please refer to the Lyndon State College Academic Policy Manual.

Basic Skills Competencies

Students enter college with varying degrees of academic preparation in areas that are essential to academic success. These areas include English, mathematics, and reading and study skills. These competencies may be satisfied by LSC placement test, suitable transfer credit, CLEPS, Advanced Placement exams or successfully completing the following Basic Skills courses: ENG 0030, MAT 0010, MAT 0221 (see Course Offerings for full descriptions of these courses). These courses do not confer credit toward graduation, but satisfying all these competencies is a requirement for graduation. Students who test into six or more credits of Basic Skills are limited to a total of thirteen credits in their first semester.

Basic Skills courses must be taken every semester until they are passed. Students not passing the tests or courses by the end of the second semester of full-time enrollment, will not be granted sophomore standing until such time as the requirement is fulfilled. 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

Academic Standing

Lyndon recognizes four categories of academic standing:

1. *Good Standing:* For all matriculated students who have fewer than 30 earned or GPA credits, good academic standing is sustained by maintaining a cumulative GPA of 1.75 or higher. For all matriculated students who have 30 or more earned or GPA credits, good academic standing is sustained by maintaining a cumulative GPA of 2.00 or higher. Students must also satisfy the Basic Skills requirement by the end of their second semester.
2. *Probation:* Students are placed in this status when the cumulative GPA falls below Good Standing. A student may not register for more than 12 credit hours during Probation, and must confirm registration in all courses through the Academic Support Center.
3. *Academic Dismissal:* Students on Probation who fail to raise their cumulative GPA to Good Standing level in the subsequent semester will be dismissed. A first dismissal under Academic Standing policy precludes enrollment for a minimum of one semester. This dismissal may be appealed. Students who leave the College while on probation, or who are readmitted following dismissal, remain on probation. Students who are readmitted and fall again below Good Standing will be dismissed and will not be readmitted for a minimum of two years. Students who have been dismissed may not enroll in courses offered by the College during the period of their dismissal.
4. *Academic Early Dismissal:* Students failing to achieve a grade point average of 1.00 or better at the end of their first semester of enrollment will be immediately dismissed from the college for a minimum of one semester.

Grading

Lyndon 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 Standards Committee of the Faculty Assembly.

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 Lyndon and employed to calculate the semester and cumulative grade-point averages:

Letter Grade Point Value Credit Earned P/NP

A+	4.00	Yes	P
A	4.00	Yes	P
A-	3.70	Yes	P
B+	3.30	Yes	P

B	3.00	Yes	P
B-	2.70	Yes	P
C+	2.30	Yes	P
C	2.00	Yes	P
C-	1.70	Yes	P
D+	1.30	Yes	P
D	1.00	Yes	P
D-	0.70	Yes	P
F	0.00	No	NP

Special Grade Notations

For the following types of courses instructors may decide whether or not to provide a written evaluation as part of the transcript in addition to the regular grade, or whether to allow the student to decide within the first week of classes to request a written evaluation: cooperative education, student teaching, practicum, internship, field work, independent study, and special studies.

Grade	Legend	Credit Earned
P	pass	Yes
NP	no pass	No
AU	audit	No
TR	transfer credit	Yes
CR	credit-granted	Yes
W	withdrawn	No

Students may enroll in a course on a P/NP basis in three instances:

1. The course is identified in the Class Schedule as being given on a P/NP basis.
2. The instructor may allow each student in a class to determine individually a preferred method of grading. Courses open to student choice of grading method are so identified in the Class Schedule. This option may be exercised within the add period and may not subsequently be changed. If no option is stated, a letter grade will be assigned.
3. Each semester juniors and seniors may select one letter graded course, not used to fulfill the General Education Unit or specified program requirements, to be graded on a P/NP basis. The selection must be made before the end of the add period and appear on the student's registration form. This option is designed to encourage juniors and seniors to enroll in challenging courses without the risk of lowering their grade point averages.

Incomplete

A grade of Incomplete indicates the course was not completed for reasons that were beyond the student's control and acceptable to the instructor. The student is allowed a specified period of time, not to exceed the end of the seventh week of the semester

immediately following award of the "I", to complete the course. Failure to satisfy the course requirements in the period stipulated shall result in a grade of F or NP (instructors have the option of assigning a default grade other than F). While work on the incomplete course is still in progress, academic standing is determined by the student's other grades. However, the student is ineligible for inclusion on the Dean's List or President's List until all work is completed.

Non-Use of Grades and Credits

With the approval of the new academic advisor and Academic Standards Committee, a student may choose to exclude selected grades earned at the college from the computation of the cumulative grade-point average. This request may be made only when changing majors, for courses that are required in the former major but are not required in the new major, and only once in the Vermont State College academic career.

Students may request "non-use of grades" for any courses eliminated from the curriculum by Faculty Assembly or that have not been taught for five years. Use requires a compelling reason, stated in writing on the appropriate form.

Applying this policy also means the credit earned in courses whose grades are not used will be lost, the new resulting gradepoint averages shall not retroactively affect probation and dismissal status, and the original record of courses, grades, and credits will remain on the transcripts with a notation of their non-use.

Class Standing

The College determines the student's class standing as follows:

Credit Hours Earned Class Standing

0 - 29.9	First-year
30 - 59.9	Sophomore
60 - 89.9	Junior
90 and over	Senior

Note: Seniors will not be allowed to register with their class until completing the General Education Unit.

Graduation

Award of Degree

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). 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. For a complete discussion of policies and regulations for degree programs, please refer to the Lyndon State College Academic Policy Manual.

Application for Award of Degree

The responsibility for 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 as well. 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 Records Specialist - Graduation 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 Lyndon courses must apply for readmission.

It is highly recommended that graduates submit a graduation application through WebServices prior to registering for their last semester of enrollment and review their computer generated Program Evaluation with their advisors every semester prior to registration. The final deadline for applying to graduate is:

For December graduates — at the end of the spring pre-registration period for fall classes (this is normally in April).

For May and August graduates — at the end of the 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 the specific catalog year. The graduation check is based upon that application only. Any changes to the declared degree program(s) must be approved prior to the end of the add/drop period of the final semester. Changes made after that date (including approved Course Substitutions and/or Waivers) require the student to reapply for graduation for a subsequent term.

Satisfaction of graduation requirements, including coursework and graduation standards, is audited by the Registrar's Office. If it appears that graduation requirements will not be met, the student, advisor and the appropriate department chair will be notified. Any rectifying response, including course substitution or waiver decisions, must be arranged in such a way that all graduation requirements, with the exception of courses to be taken in the last semester, will be satisfied by the first day of the semester of expected graduation. Failure to do so may delay graduation, even if all requirements are completed prior to the intended date.

Minimum Acceptable Grades and Cumulative Grade Point Averages

The minimum acceptable grade is a C- or P for the granting of transfer credit and the fulfillment of prerequisite, major, minor, certificate, and GEU requirements. The minimum acceptable grade is a D- or P for the fulfillment of unrestricted electives. A minimum acceptable cumulative grade point average of 2.00 is required in the sets of courses submitted to fulfill the GEU, all undergraduate majors, certificate, all Associate's Degrees, and all Bachelor's Degrees.

Conferring of Degree

Degrees are awarded from Lyndon State College each year with the dates of Commencement (for Spring), August 31 (for Summer) and December 31 (for Fall) and diplomas bearing these dates are mailed to students after the final degree audits are completed. The Commencement ceremony occurs only once each year at the end of the spring semester. Official transcripts from the college reflect the actual date that the degree(s) was awarded by the College.

Registration

Academic Record

The Lyndon State College official academic record identifies the student, the basis of admission to the college, previous higher education and courses transferred, academic work pursued at Lyndon, and information pertinent to academic standing, such as notices of probation or dismissal, Dean's List honors, 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. Files must be reviewed in the Student Services Office.

In accordance with practices recommended by the American Association of Collegiate Registrars and Admissions Officers, Lyndon maintains this official academic record for each student. No record is made or maintained unless there is a demonstrable need for it, which is reasonably related to the basic purpose and necessities of the college. No records shall be kept that will discriminate by race, color, national origin, sex, religion, age, veteran status, sexual orientation, creed or disability in employment or provision of services.

For further information on the policy governing the inclusion of information and maintenance of academic records, ask at the Student Services Office. Portions of the students academic record are available online to the student with their personalized login at portal.vsc.edu through Web Services.

Transcript of Academic Course Work

An official transcript or copy of your course work is one that bears the seal of the college, the date of issue, and the signature of the certifying official. For each copy, you must submit an online request and payment of fee (if applicable). Please see detailed information at <http://lyndonstate.edu/offices-services/registrars-office/transcript-request/>

It is College policy not to issue grades or transcripts to students with outstanding financial obligations to the college.

Release of Records and Information

In accordance with the Family Educational Rights and Privacy Act of 1974, as amended, Lyndon State College 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.

Lyndon may maintain student "directory information" which is information which would not generally be considered harmful to the student or an invasion of privacy, if disclosed. For the purposes of this policy, directory information includes name, home and college address, telephone listing, college e-mail address, date of birth, major, enrollment status (full-time or part-time), enrollment level (undergraduate or graduate), dates of attendance, degrees and awards received, weight and height of athletic team members, photographs, most recent and previous educational institution attended, and participation in officially recognized activities and sports. Unless the student notifies the college that it should not be released, this information will be made available at the discretion of college officials.

A complete statement of Lyndon policy regarding the Family Educational Rights and Privacy Act is published on the Lyndon State College website.

False Information and Misuse of College Documents

Furnishing false information or forging, altering, or misusing college documents, records, identification cards or contracts is not acceptable conduct and is punishable through the college judicial process.

Residency Requirement and Matriculation

A matriculated student is one who has been formally accepted by the college as being registered in a degree program. All matriculated students have a minimum number of credit hours that must be taken at Lyndon State. For Bachelor's candidates, the residency requirement is that 30 of the last 39 credit hours must be achieved in courses specifically taken at Lyndon State College. For Associate candidates, 15 of the last 21 credit hours must be achieved in courses specifically taken at Lyndon State College.

Transfer Credit

Courses completed within the Vermont State Colleges are treated as if taken at Lyndon State College and automatically appear on the student's Lyndon transcript.

Lyndon grants transfer credit for courses taken at regionally approved higher education institutions with the following general provisions:

- A. the grade previously earned must be at least "C-," or "Credit" where credit is equal to at least a "C-";
- B. proper and official documentation of previous work must be submitted along with the request for evaluation. Students are responsible for having the other institution submit an official transcript directly to the Lyndon State College Registrar's Office, from which the Associate Registrar will assign course equivalency.

Note that courses taken over ten years prior to (re)admission that fulfill major departmental requirements will be subject to review by the major department. Also, general education courses taken over ten years prior to (re)admission will be reviewed by the Registrar's Office.

As long as matriculated students follow the residency rule mentioned in the previous section, they may enroll in courses at other institutions and receive equivalent transfer credit at Lyndon. Students should seek advance approval by submitting an off-campus study form provided by the Student Services Office and a copy of course descriptions prior to the beginning of class.

A complete discussion of official policy on transfer credits can be found in the College's Academic Policy Manual which can be found in the college library.

Registration in Course Sections

Students are considered to be registered in their course sections:

- A. If they have registered themselves or with an academic advisor using WebServices, filed all necessary forms for registering and changing their schedules with the Registrar's Office within stated deadlines. The Registrar's Office requires additional registration forms for course sections undertaken through Cooperative Education/Internships or Independent Study; and
- B. If they have obtained Business Office clearance.

Add/Drop

During the Add/Drop period, students may change course schedules by utilizing WebServices or filling out the appropriate forms (with appropriate approvals) with the Registrar's Office and submitting them by the deadline. Changes in registration are the student's responsibility and an "add" or "drop" is not official until the required signatures, if any, are obtained and the form is returned to and processed by the Registrar's Office. Instructors are not able to change registrations. The Add/Drop period is generally the first two weeks of a semester. Students may access their class schedules at any time through Web Services.

For financial charges for Add/Drop, please see the section on Student Expenses.

Student Course Load

A normal 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 Provost of Academic Programs and Faculty, and have a cumulative grade-point average of at least 3.00. It is highly recommended that first year students limit their course load to 15 credits.

Address

Every matriculated student, whether residing at Lyndon or commuting from an off-campus residence, is assigned a campus mailbox. The college is not responsible for any failure to communicate a financial or academic notice to any student failing to pick up mail from their assigned campus box.

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 charges for auditing a course, please see the section below on Student Expenses.

Repeating Courses

Unless a course is designated as one that can be repeated for credit, no additional credits will be awarded for repeating a course in which a student has already received a passing grade. The transcript will maintain the original record of the course as well as the new registration and grade; the cumulative gradepoint average will reflect the last grade earned. Students must have permission from the Dean of Academic and Student Affairs to enroll in a course more than twice.

Financial Clearance

All students must be financially cleared by the end of the add/drop period. Students who are delinquent in financial obligations may not attend classes, enroll for succeeding semesters, participate in graduation, or receive transcripts.

Leave and Withdrawal

Leave of Absence

Students may request a leave of absence for up to two semesters by submitting a form (available at the Student Services Office) to the Registrar. Leave will not be granted retroactively or after the first week of a semester.

A leave of absence does not suspend the rule that you must fulfill the requirements of the catalog in effect during or after the semester of your first enrollment and published not more than seven years prior to the award of the degree (see "Graduation").

Students granted leave are not required to apply for readmission, but are treated as returning students under College policies. Arrangements must be made with the students' advisor for advising and registration by April 1st for the following fall semester and by October 1st for the following spring semester.

Students on leave seeking to reserve residence hall accommodations must file their requests with the Office of Student Affairs by the listed dates.

Leaves may be extended for yearly periods upon written request and approval.

Withdrawal from the College

- A. While the college does not seek to keep a student enrolled when it is clear that college attendance is not in the student's best interest, the college will not allow a student to withdraw merely to avoid failing grades.
- B. Students seeking to withdraw voluntarily from the college must present a properly completed Withdrawal Form to the Student Services Office for approval. After acceptance of the withdrawal, the Student Services Office will, as soon as feasible, inform the student's academic advisor, instructors, and all appropriate administrative offices of the withdrawal.
- C. The official date of withdrawal is determined as follows:
 1. The Registrar will determine the official date of withdrawal based on the date the Withdrawal Form is submitted.
 2. If the student leaves the college without notifying the college (that is, if the student does not withdraw officially), the last recorded date of class attendance by the student, as documented by the college, may be used as the official date of withdrawal.
- D. Failure to withdraw officially will lead to grades of "F" (or "NC") in all courses, as appropriate.
- E. If the date of withdrawal is:
 1. Within the first two weeks of classes: no record will appear on the transcript; student will be considered as not having attended, for purposes of the academic record.
 2. Within the third through the eighth week of classes, the transcript:
 - a. will indicate the courses of registration;
 - b. will indicate the date of withdrawal.
 3. After the first eight weeks of a term:
 - a. Students may withdraw from the college without any academic penalty only by intervention of the Dean and only after they present to the Dean satisfactory evidence that they must withdraw for unusual and compelling reasons. Such reasons shall normally be limited to those of mental or physical ill health, and evidence must include a signed statement of a physician or other person accepted by the college as qualified to make such a judgment;
 - b. The decision to grant the late withdrawal will be made by the Dean of Academic and Student Affairs with the right of appeal to the Academic Standards Committee;
 - c. The transcript will indicate the date of withdrawal, the courses of registration, and a grade of "W" in those courses.
- F. Adjustments for tuition and fees will be based upon the date a completed withdrawal form is validated by the Registrar. Financial aid may also be adjusted based on withdrawal date. Orientation fees are non-refundable. Room and board charges will be adjusted based upon the date the room checkout process is complete.

Students who withdraw or are dismissed during the semester will be credited for tuition, and appropriate fees on a similar daily pro-rata schedule used to calculate return of Title IV funds. Students who withdraw and end on-campus residency will be credited for room and board until the end of the term on the same pro-rata schedule.

Exceptions:

1. Students who withdraw or are dismissed during the first week (seven calendar days) of the semester will be credited 100% of tuition and fees.
2. Students who withdraw after the 60% point of the semester will receive no credit for tuition, fees, and room and board.

Honors

Academic Awards and Prizes

The highest recognition given to graduating seniors in the various bachelor programs is election to the Arthur B. Elliott Honor Society. The Society, established in 1960, honors a former president of the college. Election by members of the faculty and senior class is in recognition of outstanding leadership, scholarship and service to the college community.

The leading graduating scholars of the senior class in bachelor programs receive the Rita L. Bole Award for Outstanding Scholarship established by the Alumni Council in 1962 to honor the college's first president. It is conferred on the basis of one's cumulative grade-point average as of the end of the fall semester prior to commencement.

Graduating students who have completed 62 letter-graded credits in the VSC are eligible for Latin honors. Cum Laude requires a minimum 3.50 cumulative grade-point average, Magna Cum Laude requires a 3.70, and Summa Cum Laude requires a 3.90. Latin honors designations are indicated on the student's diploma and transcript and in the commencement brochure. Honors are calculated as of the end of the fall semester prior to commencement.

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

Dean's List

To promote scholarship, the college has established the Dean's List and President's List. The appropriate status is conferred for a semester of achievement of academic excellence. For inclusion on the Dean's List you must have completed a minimum of 12 graded credits, without incomplete or failing grades, and have a minimum grade-point average of 3.50.

Students are placed on the President's List upon additional achievement of a semester grade-point average of 4.00 with at least 15 letter-graded credits and grades in at least four different courses.

Dean's List and President's List status determinations are made after grades are posted but status is based on coursework for which final grades have been posted.

Academic Appeals

Appeals of Academic Standing

At the end of each semester the college makes decisions on academic standing (see section on academic standing for definitions). The letter notifying students of these decisions includes a time frame for appeals. All students will be accorded opportunity for due process.

The student's written appeal must contain clear statements of the basis for the appeal. The Academic Standards Committee will meet to review the appeal, render a decision, and notify the student and the President in a timely manner. Students may appeal the committee's decision by sending a written statement to the President. The President, or the President's designee, will rule on the appeal within a reasonable period of time and inform the student and the Academic Standards Committee of the ruling in writing. The President's (or designee's) decision shall be the last college appeal.

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 College Administrative Offices are scheduled to be open for business.

A Lyndon student who feels that she or he has not received appropriate accommodations from the college 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 college under the above statutes.

Students with complaints may use an informal process, presenting their complaints to the Dean of Academic and Student Affairs or Dean of Administrative Affairs. 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 Academic Dean or Dean of Administrative Affairs 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 college student or employee during the college 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 college 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

For this section, working days are days of the academic calendar defined each year by the LSC Faculty Federation and Administration.

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 in accordance with the guidelines contained in the paragraphs which immediately follow below. This policy is intended both to preserve academic freedom and to recognize students' rights.

Both an informal and a formal appeal process are available. In the informal appeal process students discuss their concerns with the instructor and/or the Associate Academic Dean, who is available as a neutral facilitator to aid in clarifying issues and resolving differences. Experience has shown the informal process to be a successful approach to resolving many concerns. Students are encouraged to use the informal process before filing a formal appeal.

Students may initiate a formal appeal by sending a written appeal to the Dean of Academic and Student Affairs, with a copy to the instructor, by the end of the semester following the action being appealed. The Dean of Academic and Student Affairs may extend the deadline in extenuating circumstances. This written appeal must contain clear statements of the action being appealed and the basis for the appeal. Within 10 working days of receipt of the appeal, the Dean will either resolve the case or ask the chair of the Academic Standards Committee to initiate a hearing. In cases where the Dean's resolution is not to the student's or instructor's satisfaction, either may, within 10 working days, request a hearing before the Academic Standards Committee. Within 10 working days of receipt of the request, the committee will notify the student and the Dean of its decision either to decline to hear the case or to conduct a hearing within 20 days of their decision.

In the cases where the Academic Standards Committee conducts a hearing, the chair of the Academic Standards Committee is responsible for conducting a closed hearing, although the student shall have a right to an open hearing upon written request. The following persons shall be invited to the hearing: all Academic Standards Committee members except members directly involved in the case, the student, the instructor, the Dean of Academic and Student Affairs, and an advisor (if desired) selected by the student from among the college's full-time faculty, staff, or students. The student shall be advised in advance of witnesses to be called, and of the facts to which they will testify, and shall have the right to present witnesses or affidavits on his/her behalf. Any witnesses called will be present only during their own testimony. A record of the hearing shall be taken by the committee and

maintained by the Faculty Secretary for at least one year. Within five working days of the committee's decision, the chair will send written notice of the committee's findings and decision to the student, the Dean, and the instructor.

Either the student or the instructor may, in cases where the appealing party alleges unfair treatment or procedural error by the Academic Standards Committee, appeal the decision of that committee within 10 days to the President, who may decline to hear the appeal. The President will rule on the appeal within a reasonable period of time, and shall inform the Academic Standards Committee of the disposal of the case. The President's decision shall be the last college academic appeal.

Excess Credit Policy

For credits in excess of 18 per semester, students will be charged for each credit, or partial credit, in addition to the fulltime tuition fee.

Supplemental billings for excess tuition are issued at the end of the add period, at which time students are held liable for the total number of credit hours for courses in which they are then enrolled. See each semester's course schedule for dates of Add/Drop.

Any student who believes that there has been an incorrect charge for an overload should first try to resolve the problem directly with the Student Services Office and the Business Office. If a satisfactory result is not obtained, a written appeal should be made to:

Dean of Administration for appeals based on incorrect charge of tuition or similar financial reasons, or Dean of Academic and Student Affairs for appeals based on incorrect recording of class load or similar academic reasons.

Human Subjects Research

To ensure the minimal potential physical and psychological risk to participants, all human subjects research conducted at the College or by any student or employee of the College will comply with all applicable LSC and VSC policies and state and federal laws (especially Federal Title 45 CFR Part 46). The College has established an Institutional Review Board for Human Subjects Research (IRB) to monitor this compliance. Details may be obtained from the Office of the Dean of Academic and Student Affairs.

Tuition and Fees

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

- [Estimated Costs of Attendance](#)
- [Vermont State Colleges In-State Residency Requirement Policy](#)
- [Explanation of Fees](#)

Estimated Costs of Attendance

Students are responsible for familiarizing themselves with the fee descriptions, payment and refund policies. The following schedule lists full-time tuition and basic fees in effect for the 2013-2014 academic year. Tuition, fees, room, and board are subject to change without notice due to reconsideration by the Board of Trustees.

	Vermont Residents			Out-of-State Residents			NEBHE Students		
	Fall	Spring	Total	Fall	Spring	Total	Fall	Spring	Total
	Semester	Semester		Semester	Semester		Semester	Semester	
Tuition	\$4,848	\$4,848	\$9,696	\$10,380	\$10,380	\$20,760	\$7,272	\$7,272	\$14,454
Student Activity Fee	127	127	254	127	127	254	127	127	254
Capital Development Fee	375	375	750	375	375	750	375	375	750
Health Insurance*	2,038		2,038	2,038		2,038	2,038		2,038
Sub-Total (Commuter)	\$7,388	\$5,350	\$12,738	\$12,920	\$10,882	\$23,802	\$9,812	\$7,774	\$17,586
Room (Double)	2,803	2,803	5,606	2,803	2,803	5,606	2,803	2,803	5,606
Board (Gold Plan**)	1,904	1,904	3,808	1,904	1,904	3,808	1,904	1,904	3,808
Total (On Campus)	\$12,095	\$10,057	\$22,152	\$17,627	\$15,589	\$33,216	\$14,519	\$12,481	\$27,000

Other Estimated Fees

Application Fee (due when applying for admission)	\$47	Overload Fee (per credit hour in excess of 18 per semester):	
Degree Audit Fee (for Graduation)	\$89	In-State	\$404
Late Registration Fee	\$58	Out-of-State	\$865
Late Financial Clearance Fee (per each notification)	\$100	NEBHE	\$606
Matriculation Fee	\$312	Annual Additional Charges for Single Room (if available)	\$1,494
Change of Course (after normal add/drop period)	\$22	Annual Single Room Suite Rate (Rita Bole)	\$7,810

*Required of all full-time students if not covered by another medical plan. Fee amount subject to change pending federal health reform effective date.

**Gold Plan includes unlimited number of meals plus \$100 per year declining balance plan.

Per Credit Tuition and Fees

Students registered for 12 credit hours or more are full-time students, and current expenses are set forth under "Other Estimated Fees" above. Students registered for fewer than 12 credit hours are considered part-time students and are charged on a per credit basis as follows:

Tuition	Fees
In-State	\$404
Student Activity Fee	\$12

Out-of-State \$865

NEHBE \$606

Vermont State Colleges In-State Residency Requirement Policy

The following requirements must be met by a student prior to being granted resident status for the purpose of admission, tuition and other VSC charges:

The applicant shall be domiciled in Vermont, said domicile having been continuous for one year immediately prior to the date of enrollment unless the student has been in the Armed Services, Peace Corps, or other recognized national service organization, and has retained Vermont as his/her permanent address during the period of absence, and has returned to Vermont immediately following discharge from these services. Changes in residency status shall become effective for the semester following the date of reclassification. Domicile shall mean a person's true, fixed and permanent home, to which he intends to return when absent. A residence established for the purpose of attending an educational institution or qualifying for resident status for tuition purposes shall not of itself constitute domicile. Domicile shall not be dependent upon the applicant's marital status.

A student enrolling at the Vermont State Colleges shall be classified by the college's Admissions Office as a resident or nonresident for tuition purposes. The decision shall be based upon information furnished by the student and other relevant information.

The burden of proof shall, in all cases, rest upon the student claiming to be a Vermont resident and shall be met upon a presentation of clear and concurring evidence.

The classification of a student as a resident or nonresident may be appealed in writing to the college's Dean of Administration. The dean is authorized to require such written documents, affidavits, verifications or other evidence as deemed necessary. Further appeal of a student's residency classification may be made in writing to the Office of the Chancellor. The decision of the Office of the Chancellor shall be final.

Explanation of Fees

Room and Board

Room (housing) is applicable to all full-time, unmarried, non-local, matriculated residents as a condition of admission and enrollment, to the extent that campus housing is available. Students residing on campus are billed for a meal plan and may also purchase additional meal points. After the opening of a semester, any student who moves out of college residential halls without permission of the Director of Residential Life may not be entitled to receive any refund of room charges. Commuters may purchase meal points for use at the snack bar or college dining hall at discounted rates.

Student Activity Fee

Established by vote of the student body, this fee covers the expense of student clubs, activities, and publications. Also covered is admission to most concerts, dramatic productions, films, lectures, and other campus cultural events and recreational/social activities. Student teachers who are assigned to schools more than 40 miles from the LSC campus may request exemption from payment of the student activity fee.

Capital Development Fee

The capital development fee offsets costs of major campus facility improvements, such as new building construction and major renovations. For the 2014-15 academic year the fee is \$375 per semester for full-time matriculated students and \$31 per credit hour for part-time matriculated students.

Application Fee

This fee is required when a prospective student applies for admission to the College. Applications that are not accompanied by the fee will not be processed.

Health Insurance Fee

Health insurance is mandatory for all full-time students not otherwise covered. All fulltime student accounts are charged with the health insurance fee at the time of registration. If a student already has insurance, an online insurance waiver must be completed through Web Services.

Late Registration Fee

This fee is an additional charge for students who do not complete their semester's class registration process by the published deadline.

Matriculation Fee

This fee is payable by all new, incoming students, including transfer students, to cover costs associated with registration, orientation, and testing.

Degree Audit Fee

All students applying for graduation are charged a degree audit fee upon application.

Overload Charge

This is charged to students taking more than 18 credits in a semester. The charge is per credit at the rate set forth in the preceding table "Other Fees."

Deposits

Students accepted for admission to the College are required to send a \$200 deposit by May 1, which is applied toward tuition and fees. After May 1, this deposit is non-refundable. If a student intends to live on campus, a \$100 nonrefundable deposit is required by May 1 to reserve a room.

Course Fees

Course fees are charged for select courses, as indicated in the course descriptions. Fees are specified in each semester's schedule of courses.

Auto and Motorcycle Registration

There is no charge for registration or annual renewal. Fines may be imposed for the violation of campus parking and traffic regulations. Unregistered vehicles are subject to a \$5 fine.

Damage Assessment

Students may be required to pay for the replacement or repair of college property damaged through their negligence or carelessness. Note: No waiver of fees or fee regulations may be authorized by an official of the College other than the President or Dean of Administration.

Excess Credit Policy

Supplemental billings for excess tuition and for lab fees are issued at the end of the two-week free add period, at which time students are financially responsible for the total number of credit hours and laboratory courses in which they are then enrolled.

If you believe that there has been an incorrect charge for an overload, you should first try to resolve the problem directly with the Student Financial Services Office. If a satisfactory result is not obtained, a written appeal should be made to: Dean of Administration - for appeals based on incorrect charge of tuition or similar financial reasons; or Dean of Academic and Student Affairs - for appeals based on incorrect recording of class load or similar academic reasons.

Billing for Courses Added or Dropped

During the first two weeks of classes there is no charge for adding or dropping a course. There will be no adjustment of tuition and fees for course(s) dropped after the second week of classes. At the end of the add period, students are financially responsible for the total number of credit hours for which they are then enrolled. Any changes in courses after the add/drop period will be subject to an administrative charge that will be added to the student's account.

Auditing Courses

Students may audit courses with the approval of the Registrar and the instructor concerned. No credit is received for audited courses, and tuition is charged at 50 percent of the applicable rate. All fees are charged at full cost. After the period to add 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. The remaining tuition may not be reduced by any other tuition waiver.

Tuition Waivers For Senior Citizens

Vermont citizens who are 65 years or older are eligible for a tuition waiver within the Vermont State Colleges system for up to two courses per enrollment period. To be eligible, senior citizens must be non-matriculated and may not take the place of a paying student in courses with enrollment limits. Eligible persons must pay relevant registration and course fees and shall not be entitled to any other college service or benefit except for those services or facilities otherwise available to the public at-large.

Payment Policy

As a condition of enrollment, all semester charges are due and payable in full by the financial clearance date (approximately two weeks prior to the first day of classes).

The college reserves the right to cancel prior registration and to require you to re-register if tuition and fees are not paid in advance or if classes are not attended in the first week of the semester.

Financial delinquency may serve as a basis for dismissal, and financially delinquent students will be denied enrollment for succeeding semesters, issuance of grades or transcripts, or graduation. Collection costs may be added to delinquent accounts. The college offers a tuition payment plan; for details please contact the Student Services Office.

Late Payment/Financial Clearance Fee

A late payment fee will be charged if financial clearance from the Student Financial Services Office is not received by the financial clearance date which is published on our website or in enclosures mailed to the student. This date is typically two to three weeks prior to the first day of classes. Additional late fees may be assessed for accounts that remain uncleared. Financial clearance means that all semester charges and any previously due balances are:

1. paid in full,
2. covered by financial aid grants and loans,
3. covered by confirmation of participation in the monthly payment plan for tuition and fees sufficient to cover the semester's charges, or
4. covered by any combination of the above.

Degree Programs List

Degree Programs

The following list represents Lyndon's undergraduate degree programs for the 2014-2015 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

Computer Science Concentration

Environmental Sciences Concentration

National Weather Service/Military Concentration

Private Industry Concentration

Business Administration

Business Administration (A.S.)

Accounting (B.S.)

Business Administration (B.S.)

Education

Special Education (A.S.)
Elementary Education (B.S.)
 Early Childhood Education
 Elementary Education
 Special Education - Special Educator (K-8)

Electronic Journalism Arts

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

English, Philosophy and Film Studies

Professional Multimedia Communications (A.S.)
English (B.A.)
 Literature and Cultural Studies
 Journalism and Creative Writing
 Film Studies
Professional Multimedia Communications (B.A.)

Exercise Science

Exercise Science (B.S.)
 Secondary Areas:
 Health and Fitness - Strength and Conditioning
 Sports Medicine: Pre-professional physical therapy
 Pre-professional athletic training 4+2
 Self-Designed Program
Sport Leadership (B.S.)

General Studies

General Studies (A.A.)

Liberal Studies

Liberal Studies (B.A.)

Mathematics & Computer Science

Computing (A.S.)
Computer Information Systems (B.S.)
Mathematics (B.A.)

Mountain Recreation Management

Mountain Recreation Management (B.S.)
 Adventure Leadership
 Mountain Resort Management
 Recreation Resource Management

Music and Performing Arts

Audio Production (A.S.)
Music and Self-Promotion (A.S.)
Music Industry Management (A.S.)
Music Business and Industry (B.S.)
 Business

Management
Music and Self-Promotion
Production
Radio Operations

E-Music Composition

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.)

Social Sciences

Criminal Justice (B.S.)
Social Sciences (B.A.)
 Social Science
 Global Studies
 History

Anthropology/Sociology

Visual Arts

Visual Arts (A.S.)
Visual Communications (A.S.)
Animation/Illustration (B.F.A.)
Graphic Design (B.F.A.)
Visual Communications (B.A.)
Cinema Production (B.A.)

Minor Programs

Anthropology/Sociology
Athletic Coaching Education
Atmospheric Sciences
Biology
Business
Cinema Production
Criminal Justice
Electronic Journalism Arts for Broadcast Meteorologists
English
Environmental Chemistry
Exercise Science
Film Studies
Geology
History

Human Services
 Marketing
 Mathematics
 Music
 Philosophy
 Photography
 Physics
 Political Science
 Professional Multimedia Communications
 Psychology

 Russian & Eurasian Studies
 Theater
 Visual Arts

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 all undergraduates this residency requirement stipulates that 30 of the last 39 credit hours must be achieved in courses taken at the college. 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: 30-32 credits	General Education Unit: 43 - 45 credits	General Education Unit: 43-45 credits
Total Credits: 62	Total Credits: 62	Total Credits: 122

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 (pre-college)	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
CIS	Computer Information Science
CRJ	Criminal Justice
DES	Design
ECO	Economics
EDU	Education
EJA	Electronic Journalism Arts
ENG	English
ENV	Environmental Science
FLL	Foreign Language
FLM	Film Studies
FRE	French
GEO	Geography
GEY	Geology
GIS	Geographic Information Systems
GER	German
HIS	History
HUM	Humanities

INT	Interdisciplinary Seminar
LIB	Liberal Studies
MAT	Mathematics
MRM	Mountain Recreation Management
MUS	Music
MBI	Music Business Industry
PHI	Philosophy
PED	Physical Education
PHY	Physics
POS	Political Science
PSY	Psychology
RUS	Russian
SCI	Science
SED	Science Education
SOC	Sociology
SPA	Spanish
SSC	Social Science
THA	Theater
VID	Video
XSC	Exercise Science

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 Provost and Dean of Academic Affairs.

General Education and Degree Program Information

Northern Vermont University

General Education

Taught by faculty from across the college

Program Mission Statement

General education at Lyndon 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. Lyndon's general education responds to this challenge in two ways. First, the general education program provides focused practice in the foundational skills required for all career paths: critical thinking, writing, reading, communication, information literacy, and quantitative reasoning. Second, general education provides a framework of content, thought, and inquiry designed to help every student succeed personally and professionally in today's global society.

Program Goals

Students completing the General Education program at Lyndon will demonstrate

- An enhanced ability to engage in the foundational skills of critical thinking, reading, and writing, communication, and quantitative reasoning.
- Knowledge and skills that will prepare students for work and citizenship in a rapidly changing global society.

Program Learning Outcomes

- Students will demonstrate an awareness of fundamental factors influencing human individual and social behaviors.
- Students will practice critical interpretation and analysis of past and present human written expression.
- Students will demonstrate aesthetic appreciation for, understanding of, and/or the creation or performance of original works of art.
- Students will demonstrate basic attitudes and skills that enable them to work productively, profitably, and with sensitivity across a wide range of cultural boundaries.
- Students will identify and analyze change across time, either within their own discipline or across broad human endeavors.
- Students will demonstrate a fundamental awareness of the complexities and interconnectedness of the economic and political realms in which citizens function at both the local and global level.
- Students will apply the concept of sustainability in critically examining social, ethical, environmental, and/or scientific issues related to the use of earth's natural resources.
- Students will practice scientific and empirical reasoning and relate scientific concepts, facts, and theories to problems of wide concern.

Program Assessment

The general education program is assessed systematically through procedures that align with individual graduation standards assessment at the College (see the section on Graduation Standards for more information) and ensure continuous program improvement. Foundational skills are assessed in lower-level courses using the College's graduation standards rubrics as well as a rubric for critical thinking; general education learning outcomes are assessed with rubrics developed for each of the outcome-

defined categories of knowledge and skills defined by the program goals. Analysis of assessment data from rubrics creates an ongoing cycle of program and course refinement that will lead Lyndon students to success.

Program Guidelines

Students who transfer into Lyndon State College with 60 or more college credits may choose to waive the course INT 2040.

When a student is completing the General Education requirements:

- They may count no more than 2 courses in their home department in the 8 categories in the General Education.
- They may count no more than 2 courses in the same course designator in the 8 categories.

The list of courses in the eight categories may change each year, and the most recent list is the one to which students should adhere, regardless of their catalog year.

General Education Distribution (25 - 27 credits; one course from each outcome-based category):

Category: SELF AND SOCIAL INTERACTIONS (designated by LGSS1 in the course descriptions and course schedule)

BUS 2230 Principles of Marketing
BUS 2235 Service Marketing
BUS 3350 Innovation, Creativity, & Entrepreneurship
CRJ 1010 Introduction to Criminal Justice
EJA 1010 Introduction to Media Communications
MRM 1080 Leadership and Small Group Dynamics
PHI 1050 Ethical Practice
PSY 1010 Introduction to Psychology
PSY 1050 Human Growth & Development
PSY 2120 Human Sexuality
PSY 3210 Perspectives on Death and Dying
SOC 1010 Introduction to Sociology
SOC 2220 Family in Society
SOC 3050 Gender and Society
SOC 3320 Culture of Deviance
SSC 1030 Exploring the Social Sciences

Category: THE HUMAN EXPERIENCE: WRITTEN LANGUAGE (designated by LGWL2 in the course descriptions and course schedule)

ENG 1310 Intro to Literature
ENG 2410 Mystery and Detective Fiction
ENG 2250 Critical Approaches
ENG 2290 Survey of British Literature and Culture
ENG 2325 Survey of American Literature and Culture
ENG 2480 Survey of Literary Non-Fiction
ENG 3255 Folklore, Fairytales, and Children's Literature
ENG 3420 Issues in British Literature and Culture, 750-1750
ENG 3450 Issues in British Literature and Culture, 1750-Present
ENG 4240 Major Author Seminar
ENG 4750 Senior Seminar
FLM 2020 Semiotics and Cinema
FLM 4010 Theory of Cinema

PHI 1020 Critical Thinking
PHI 2030 Approaches to Philosophy
PHI 2090 Popular Culture and Philosophy
PHI 3065 Philosophy of Film & Television
THA 1040 Interpreting Contemporary Dramatic Literature
THA 2080 Theatre Arts in the Dramatic Format
THA 3070 Voices of the American Theatre
THA 3080 Founders of Modern Drama

Category: THE HUMAN EXPERIENCE: ART AND DESIGN (designated by LGAD3 in the course descriptions and course schedule)

ART 1010 Experiencing the Arts
ART 1011 Drawing I
ART 1015 Art Foundations
ART 1410 Digital Photography
ART 2030 Decorative Arts
ART 2115 Digital Arts
ART 2121 Calligraphy
ART 2241 Painting I
ART 2251 Sculpture I
ART 2301 Photography I
ART 3060 Book Arts
ENG 2130 Intro to Writing Poetry
ENG 2140 Intro to Writing Fiction
ENG 2155 Multimedia Storytelling
ENG 3110 Creative Writing Workshop
ENG 3135 Writing Lyric: Form and Theory
ENG 3145 Writing Narrative: Form and Theory
FLM 1055 Film Analysis and Appreciation
FLM 2010 History of Cinema
FLM 3010 Auteur Filmmakers Seminar
FLM 3610 Film Studies Seminar
MUS 1010 Music Appreciation
MUS 1030 Music Fundamentals
MUS 1041 Class Piano I
MUS 1042 Class Piano II
MUS 1231 Music Theory I
MUS 2070 Basic Songwriting
MUS 2340 Class Instruction in Voice
MUS 2341 Class Guitar I
PHI 3140 Philosophies of Art
THA 1041 Introduction to Theatre
THA 2121 Acting I
THA 2122 Acting II
THA 3211 Directing I

Category: CROSS CULTURAL AWARENESS (designated by LGCC4 in the course descriptions and course schedule)

ANT 1030 Introduction to Anthropology
ANT 3010 Native Societies of America
ANT 3030 Comparative Cultures
ANT 3050 Culture, Ecology, and Health
ANT 3310 Myth, Magic, and Religion
ENG 2240 Greek and Roman Classics
ENG 2390 World Literature

ENG 2540 Global English:Forms, Roles, and Issues
ENG 3240 Bible as Literature
ENG 3250 Myths and Mythologies
FRE 1111 French I
FRE 1112 Intermediate French
HIS 1020 Comparative Civilizations
HIS 2330 Traditional Asia
HIS 3530 Modern East and South-East Asia
HIS 3540 Modern South Asia
HIS 3550 The Islamic World
HUM 1030 Representing the World
PSY 3090 Lifespan Across Cultures
MUS 3330 Worlds of Music
MUS 3350 Music of the Americas
RUS 1011 Russian I
RUS 1012 Russian II
SPA 1011 Spanish I
SPA 1012 Spanish II

Category: PERSPECTIVES ON THE PAST (designated by LGPP5 in the course descriptions and course schedule)

ARH 2011 Survey of Western Art I
ARH 2012 Survey of Western Art II
EJA 2160 History of Journalism
HIS 1011 Western Civilization I
HIS 1211 American History I
HIS 1212 American History II
HIS 2240 Survey of Eurasia
HIS 3056 Race in America
HIS 3110 Antebellum America
HIS 3155 Sports in American History
HIS 3165 Vermont History
HIS 3310 18th-19th centuries Europe
HIS 3330 Europe since 1914
HIS 3440 Modern Russia
MAT 3010 History of Mathematics
PSY 4120 History of Psychology
SCI-4010 History of Science

Category: GOVERNMENT AND ECONOMICS (designated by LGGE6 in the course descriptions and course schedule)

BUS 2060 Money and Capital Markets
BUS 2140 Personal Finance
BUS 3240 International Business
CRJ 2010 Law Enforcement in America
CRJ 2020 American Judicial Process
CRJ 2510 Criminal Law
CRJ 3210 Punishment and Corrections
ECO 2060 Survey of Economics
MBI 3210 Music Publishing
MRM 1010 Leisure and Society
PHI 3010 Political Philosophy
PHI 3075 Law, Language, and Ethics
POS 1010 Introduction to Political Science
POS 1020 American Politics and Government
POS 1030 Comparative Governments

POS 2040 International Relations
POS 3020 Problems in International Relations
POS 3060 Vermont Politics
POS 3170 U.S. Constitutional Law
POS 3210 Canadian Politics
POS 3260 Middle East Politics and Government
POS 3310 Latin American Politics
POS 3410 African Politics

Category: NATURAL RESOURCES AND SUSTAINABILITY (designated by LGNR7 in the course descriptions and course schedule)

ATM 2210 Geophysical and Human Interactions
BIO 4320 Sustainable Food Systems I
CHE 2020 Introduction to Environmental Chemistry
GEO 1010 Introduction to Geography
GEY 1111 Geology I
ENV-1080 Introduction to Environmental Science
ENV 2040 Introduction to Environmental Restoration
ENV 2060 Energy, Environment, and Society
ENV 2090 Sustainable Living
MRM 2130 Wilderness Mind
PHI 2050 Nature, Science, & Technology
SCI 1030 The Life, Earth, and Physical Sciences
SCI 1070 Food for Thought

Category: SCIENTIFIC AND EMPIRICAL REASONING (designated by LGSE8 in the course descriptions and course schedule)

ATM 1010 Elementary Meteorology
ATM 1030 Elementary Oceanography
ATM 1020 Elementary Climatology
ATM 1211+1211L Survey of Meteorology and Lab I
ATM 1212+1212L Survey of Meteorology and Lab II
BIO 1210 Introduction to Biology
BIO 1211 Introduction to Biology: Ecology and Evolution
BIO 1212 Introduction to Biology: Cells and Genetic Basis
BIO 2011 Human Anatomy and Physiology I
BIO 2012 Human Anatomy and Physiology II
CHE 1023 Outline of General Chemistry
CHE 1031 General Chemistry I
CHE 1032 General Chemistry II
GEY 2112 Introduction to Geology II
PHY-2010 Introduction to Electricity and Electronics
PHY-2031 Fundamentals of Physics I
PHY-2061 Classical Physics I
XSC-2050 Human Gross Anatomy

Other Program Areas

General Education Unit

Minimum 43 credits, required of all baccalaureate programs and all Associate of Arts programs.

General Education Foundation (18 credits)

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

- INT 1020 - Entering an Academic Community Credits: 3
Advised Term 1st semester
- INT 2040 - Critical Thinking, Reading, and Writing Credits: 3
Advised Term 2nd Year

English (6 credits)

- ENG 1051 - Introduction to College Writing Credits: 3
Advised Term 1st Year
- ENG 1052 - Exposition and Analysis Credits: 3
Advised Term 1st Year

Mathematics (At Least 6 Credits)

Choose courses from the following list totaling 6 credits. At least one of these courses must have an MAT designation, unless MAT-1020, Intermediate Algebra, is waived by placement test score. Students waiving MAT-1410 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.

- CIS 1090 - Problem Solving with Computers Credits: 3
Advised Term 1st/2nd year
- CIS 2060 - Programming with FORTRAN Credits: 3
Advised Term 1st/2nd year
- CIS 2271 - Java Programming Credits: 3
Advised Term 1st/2nd year
- MAT 1020 - Intermediate Algebra Credits: 3
Advised Term 1st/2nd year
- MAT 1060 - Problem Solving with Mathematics Credits: 3
Advised Term 1st/2nd year
- MAT 1221 - Finite Mathematics Credits: 3
Advised Term 1st/2nd year
- MAT 1410 - Pre-Calculus Credits: 5
Advised Term 1st/2nd year
- MAT 2010 - Number Systems Credits: 3
Advised Term 1st/2nd year
- MAT 2021 - Statistics Credits: 3

Advised Term 1st/2nd year

3 Credits for Mathematics May Be Chosen From

- CIS 1050 - Computer Operation Systems and Spreadsheets Credits: 1
Advised Term 1st/2nd year
- CIS 1060 - Introduction to Databases Credits: 1
Advised Term 1st/2nd year
- CIS 1065 - Introduction to Programming Logic Credits: 1
Advised Term 1st/2nd Year

General Education Distribution (25 - 27 credits)

One course from each outcome-based category:

Self and Social Interactions: One 3 credit course [LGSS1] Credits: 3

The Human Experience: Written Language: One 3 credit course [LGWL2] Credits: 3

The Human Experience: Arts and Design: One 3 credit course [LGAD3] Credits: 3

Cross Cultural Awareness: One 3 credit course [LGCC4] Credits: 3

Perspectives on the Past: One 3 credit course [LGPP5] Credits: 3

Government and Economics: One 3 credit course [LGGE6] Credits: 3

Natural Resources and Sustainability: One 3 - 4 credit course [LGNR7] Credits: 3 - 4

Scientific and Empirical Reasoning: One 3 - 4 credit course [LGSE8] Credits: 3 - 4

Note: the General Education requirements for an Associate of Science degree includes the General Education Foundation courses, program specific courses, and one from each of the following four categories:

One course from either the Self and Social Interaction (LGSS1) or the Cross Cultural Awareness (LGCC4) General Education distribution categories

One from either the Human Experience: Written Language (LGWL2) or the Human Experience: Art and Design (LGAD3) General Education distribution categories

One from either the Perspectives on the Past (LGPP5) or the Government and Economics (LGGE6) General Education distribution categories

One from either the Natural Resources and Sustainability (LGNR7) or the Scientific and Empirical Reasoning (LGSE8) General Education distribution categories

Unrestricted Electives

Credits that are not required in major programs or the GEU.

Associate of Applied Science

Associate of Applied Science

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 Lyndon's ability "to prepare every student." Specifically, this associate's program responds to Lyndon's Strategic Plan to serve the workforce education needs of the NEK. This program also responds to the VSC 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, 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 Lyndon.

General Education: (28 credits)

These requirements may also be satisfied by LSC placement exams, CLEPS, Advanced Placements exams, suitable transfer credit, or departmental waivers. Departmental waivers given as a result of exam or for prior knowledge do not grant credit toward graduation.

English: (6 Credits)

- ENG 1051 - Introduction to College Writing Credits: 3
Advised Term 1st Year
- ENG 1052 - Exposition and Analysis Credits: 3
Advised Term 1st Year

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 1020 - Intermediate Algebra Credits: 3
Advised Term 1st/2nd Year
- MAT 1060 - Problem Solving with Mathematics Credits: 3
Advised Term 1st/2nd Year
- MAT 1221 - Finite Mathematics Credits: 3
Advised Term 1st/2nd Year
- MAT 1410 - Pre-Calculus Credits: 5

- Advised Term 1st/2nd Year
- MAT 2010 - Number Systems Credits: 3
Advised Term 1st/2nd Year
- MAT 2021 - Statistics Credits: 3
Advised Term 1st/2nd Year
- CIS 1090 - Problem Solving with Computers Credits: 3
Advised Term 1st/2nd Year
- CIS 2060 - Programming with FORTRAN Credits: 3
Advised Term 1st/2nd Year
- CIS 2271 - Java Programming Credits: 3
Advised Term 1st/2nd Year
3 Credits for Mathematics May Be Chosen From:
- CIS 1050 - Computer Operation Systems and Spreadsheets Credits: 1
Advised Term 1st/2nd Year
- CIS 1060 - Introduction to Databases Credits: 1
Advised Term 1st/2nd Year
- CIS 1065 - Introduction to Programming Logic Credits: 1
Advised Term 1st/2nd Year

Social Science: (6 Credits)

- PSY 1010 - Introduction to Psychology Credits: 3
Advised Term 1st/2nd Year
- SOC 1010 - Introduction to Sociology Credits: 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 Credits: 3
Advised Term 1st/2nd Year
- BUS 1210 - Introduction to Business Software and Information Systems Credits: 3
Advised Term 1st/2nd Year
- ENG 2060 - Technical Writing Credits: 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

Nolan Atkins, *Professor*

Bruce Berryman, *Professor*

Janel Hanrahan, *Assistant Professor*

Jason Shafer, *Associate Professor*

Brian Papa, *ATM Systems Administrator*

Bachelor of Science in Atmospheric Sciences

- Graduate School Concentration
- Broadcasting Concentration
- Climate Change Concentration
- Computer Science Concentration
- Environmental Sciences Concentration
- National Weather Service/Military Concentration
- Private Industry Concentration

Certificate in Post-Baccalaureate Study

Minor: Atmospheric Sciences

Pre-Atmospheric Sciences Program

Mission Statement

The Lyndon State College Department of Atmospheric Sciences provides students who are passionate about weather a high-quality educational experience. We do so by offering a modern curriculum that integrates theory and hands-on learning in a supportive environment. We value challenging and helping students as they focus their education within a broad range of career interests.

Program Goals

The Atmospheric Sciences Department has adopted 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 skills
- to provide and encourage a range of experiential learning opportunities, including:
 1. Data analysis and interpretation in a laboratory setting
 2. Internships
 3. Field trips and participation in field programs
 4. Research experiences
 5. Practice in preparing and communicating weather forecasts
- to provide students with opportunities to develop leadership skills.
- to expose students to professionals and atmospheric science conferences beyond the campus environment.

Program Description

We are a group of students and professors who enjoy experiencing weather in all its beauty and bluster, enjoy applying mathematical and physical principles to understand what causes weather events, and enjoy using that knowledge to protect people and communities from hazardous weather phenomena. We are energized by being among people with similar interests and outlooks. Once we decide which major field of the atmospheric sciences (from forecasting to broadcasting to research to societal impacts) we wish to prepare for a career in, we chose one (or more!) of the department's seven specialized concentrations for additional learning experiences. We have fun and use our weather interest and our knowledge of science in professional and social activities that our award winning student club organizes and hosts.

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
- effectively present atmospheric sciences related concepts to knowledgeable

Assessing Student Learning Outcomes

Each May the department conducts activities within courses for senior students to demonstrate their ability to apply the knowledge gained in four years of study in the department. The results are collated, analyzed, and discussed by the instructors to provide an enhanced level of understanding of student achievement on the SLO's. 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 career change

Bachelor of Science

Bachelor of Science in Atmospheric Sciences

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*.

Mathematics and Science: (22 Credits)

- MAT 1531 - Calculus I Credits: 4
Advised Term 1st Year
- MAT 2532 - Calculus II Credits: 4
Advised Term 2nd Year
- MAT 2543 - Calculus III Credits: 5
Advised Term 2nd Year
- CIS 2101 - Introduction to Unix Credits: 1
Advised Term 2nd Year
- PHY 2061 - Classic Physics I Credits: 4
Advised Term 2nd Year
- PHY 2062 - Classic Physics II Credits: 4
Advised Term 2nd Year

Atmospheric Sciences Courses: (39 Credits)

Students must take the courses below plus choose at least one career concentration (13-15 credits) by the end of their sophomore year:

- ATM 1211 - Survey of Meteorology I Credits: 3
Advised Term 1st Year
- ATM 1211L - Survey of Meteorology I Lab Credits: 1
Advised Term 1st Year

- ATM 1212 - Survey of Meteorology II Credits: 2
Advised Term 1st Year
- ATM 1212L - Survey of Meteorology II Lab Credits: 1
Advised Term 1st Year
- ATM 2020 - Atmospheric Thermodynamics Credits: 3
Advised Term 2nd Year
- ATM 2060 - Survey of Climate Science and Statistics Credits: 4
Advised Term 2nd Year
- ATM 3110 - Remote Sensing Credits: 3
Advised Term 3rd Year
- ATM 3140 - Physical Meteorology Credits: 3
Advised Term 3rd Year
- ATM 3321 - Atmospheric Dynamics I Credits: 3
Advised Term 3rd Year
- ATM 3322 - Atmospheric Dynamics II Credits: 3
Advised Term 3rd Year
- ATM 3331 - Analysis and Forecasting I Credits: 3
Advised Term 3rd Year
- ATM 3332 - Analysis and Forecasting II Credits: 3
Advised Term 3rd Year
- ATM 4120 - Mesoscale Meteorology Credits: 3
Advised Term 4th Year
- ATM 4712 - Thesis in Atmospheric Sciences I Credits: 2
Advised Term 4th Year
- ATM 4713 - Thesis in Atmospheric Sciences II Credits: 2
Advised Term 4th Year

Graduate School Concentration (13-14 Credits)

Minimum required credits for this concentration: 74-75

A programming language appropriate to a physical scientist (3 credits) (e.g. FORTRAN, C++, JAVA, but not BASIC)

- CHE 1031 - General Chemistry I Credits: 4
- MAT 3310 - Introduction to Differential Equations Credits: 3
And one of the following:
- MAT 3730 - Topics in Differential Equations Credits: 3
- PHY 2063 - Classic Physics III Credits: 4

National Weather Service/Military Concentration (15 Credits)

Minimum required credits for this concentration: 76

A programming language appropriate to a physical scientist (3 credits) (e.g. FORTRAN, C++, JAVA, but not BASIC)

- ATM 3050 - GIS Applications in Atmospheric Sciences Credits: 3
- ATM 4030 - Physical Climatology Credits: 3
- ATM 4040 - Physical Hydrology Credits: 3
- MAT 3310 - Introduction to Differential Equations Credits: 3

Broadcasting Concentration (14-15 Credits)

Minimum required credits for this concentration: 75

- EJA 1221 - Person to Person Credits: 3
- ATM 3020 - Practicum in Forecasting and Broadcasting Credits: 1 to 4
- EJA 2843 - Performance and Presentation I Credits: 3
- EJA 3222 - Performance and Presentation II Credits: 3

And Either:

- ATM 3270 - Television Weather Graphics Credits: 1
- ATM 4010 - Television Weathercasting Credits: 1

OR

- EJA course at the 2000 level or above (3 credits) and
- ATM 3020 - Practicum in Forecasting and Broadcasting Credits: 1 to 4

Private Industry Concentration (15 Credits)

Minimum required credits for this concentration: 76

Take one 3 credit business related course - choose from:

- BUS 2015 - Fundamentals of Management in Business Credits: 3
- BUS 2230 - Principles of Marketing Credits: 3
- BUS 2450 - Business Law Credits: 4
- ECO 2060 - Survey of Economics Credits: 4

Take 3 credits in computer science - choose from:

- CIS 2060 - Programming with FORTRAN Credits: 3
- CIS 2141 - Programming Internet and Web Applications Part I Credits: 3
- CIS 2279 - Introduction to Perl Programming Credits: 1
- CIS 2290 - Introduction to Python Credits: 1

Take one 3 credit communications related course - choose from:

- ENG 2060 - Technical Writing Credits: 3
- ENG 1080 - Expository Speaking Credits: 3
- ENG 2020 - Understanding the Writing Process Credits: 3
- EJA 1221 - Person to Person Credits: 3

Take 1 GIS course:

- ATM 3050 - GIS Applications in Atmospheric Sciences Credits: 3

Take 3 credits of ATM electives - choose from:

- ATM 3170 - Weather Risk Assessment Credits: 3
- ATM 3230 - Aviation Meteorology Credits: 3
- ATM 3310 - Forecasting Applications Credits: 3
- ATM 4020 - Tropical Meteorology Credits: 3
- ATM 4030 - Physical Climatology Credits: 3
- ATM 4040 - Physical Hydrology Credits: 3
- ATM 4050 - Air Pollution Meteorology Credits: 3
- ATM 4110 - Numerical Weather Prediction Credits: 3
- ATM 4130 - Space Weather Credits: 3

Environmental Sciences Concentration (14-15 Credits)

Minimum required credits for this concentration: 74-75

- BIO 1211 - Introduction to Biology: Ecology and Evolution Credits: 4
- ATM 4040 - Physical Hydrology Credits: 3
- CHE 1031 - General Chemistry I Credits: 4
And either
- ATM 4050 - Air Pollution Meteorology Credits: 3
or
- ENV 3110 - Environmental Pollution Credits: 4

Climate Change (15 Credits)

Minimum required credits for this concentration: 76

- ATM 2050 - Statistical Applications in Climate Science Credits: 3
- ATM 2210 - Geophysical and Human Interactions Credits: 3
- ATM 3050 - GIS Applications in Atmospheric Sciences Credits: 3
- ATM 3220 - Physical Oceanography Credits: 3
- ATM 4140 - Climate Change Dynamics Credits: 3

Computer Science (13 Credits)

Minimum required credits for this concentration: 74

- CIS 2060 - Programming with FORTRAN Credits: 3
- CIS 2141 - Programming Internet and Web Applications Part I Credits: 3
- CIS 2330 - Database Systems Credits: 3
And either
- CIS 2271 - Java Programming Credits: 3
or
- CIS 2032 - C++ Programming Credits: 3
And either
- CIS 2279 - Introduction to Perl Programming Credits: 1
or

- CIS 2290 - Introduction to Python Credits: 1

Minor

Atmospheric Sciences Minor

Minimum required credits for the minor: 19

Requirements for the Minor in Atmospheric Sciences

- ATM 1211 - Survey of Meteorology I Credits: 3
- ATM 1211L - Survey of Meteorology I Lab Credits: 1
- ATM 1212 - Survey of Meteorology II Credits: 2
- ATM 1212L - Survey of Meteorology II Lab Credits: 1
- ATM 2060 - Survey of Climate Science and Statistics Credits: 4
- MAT 1531 - Calculus I Credits: 4

Electives: (4 Credits)

4 credits chosen from among the ATM 2000 or higher courses.

Note: ATM 3020 has a two credit limit; ATM 4710 requires department permission; ATM 4820 and ATM 4900 are not included.

Other Program Areas

Pre-Atmospheric Sciences Program

Preparation for the Atmospheric Sciences Program

Motivated students whose science or math background needs to be bolstered for a successful college experience in atmospheric sciences should consider taking 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 Credits: .5 to 3
Advised Term - 1st Semester (2 credits)

- ATM 1050 - Problem Solving in Atmospheric Sciences Credits: 3
Advised Term - 2nd Semester
- INT 1020 - Entering an Academic Community Credits: 3
Advised Term - 1st Semester
- MAT 1020 - Intermediate Algebra Credits: 3
Advised Term - 1st Semester
- MAT 1410 - Pre-Calculus Credits: 5
Advised Term - 2nd Semester
- PHY 2031 - Fundamental Physics I Credits: 4
Advised Term - 2nd Semester

Business Administration

John Castaldo, *Assistant Professor*

Mark Hilton, *Professor*

Rodney Jacobson, *Associate Professor*

William Morison, *Assistant Professor*

Bachelor of Science in Accounting

Bachelor of Science in Business Administration

Associate of Science in Business Administration

Minors: Business, Marketing

Mission Statement

The Lyndon State College 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 departments approach includes on-line 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 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.

Associate of Science

Associate of Science in Business Administration

Minimum required credits for the program: 33

Students pursuing the A.S. in Business Administration are required to complete MAT-2021, Statistics, as a part of their General Education Mathematics requirement.

Core: (27 Credits)

- BUS 1090 - Business Math Credits: 3
Advised Term 1st Year
- BUS 1210 - Introduction to Business Software and Information Systems Credits: 3
Advised Term 1st Year

- BUS 2015 - Fundamentals of Management in Business Credits: 3
Advised Term 1st/2nd Year
- BUS 2080 - Organizational Behavior and Communications in Business Credits: 3
Advised Term 1st/2nd Year
- ACC 2121 - Financial Accounting Credits: 4
Advised Term 1st/2nd Year
- ECO 2060 - Survey of Economics Credits: 4
Advised Term 2nd Year
- ACC 2122 - Managerial Accounting Credits: 4
Advised Term 2nd Year
- BUS 2230 - Principles of Marketing Credits: 3
Advised Term 2nd Year

Elective Credits: (6 Credits)

Choose six credits of electives from the following list:

- BUS 2140 - Personal Finance Credits: 3
- BUS 3160 - Sales Management and Selling Credits: 3
- BUS 3230 - Financial Management Credits: 3
- BUS 3260 - Investment and Portfolio Management Credits: 3
- BUS 3350 - Innovation, Creativity, and Entrepreneurship Credits: 3
- BUS 4030 - Marketing Research Credits: 3
- BUS 4190 - Leadership in Business Credits: 3
- ACC 2230 - Federal Taxes Credits: 3
- ACC 3050 - Computerized Accounting Credits: 3

Bachelor of Science

Bachelor of Science in Accounting

Minimum required credits for the program: 76

Requirements for the program

- BUS 1090 - Business Math Credits: 3
Advised Term 1st Year
- BUS 1210 - Introduction to Business Software and Information Systems Credits: 3
Advised Term 1st Year
- BUS 2015 - Fundamentals of Management in Business Credits: 3
Advised Term 1st/2nd Year
- ACC 2121 - Financial Accounting Credits: 4
Advised Term 1st Year
- BUS 2080 - Organizational Behavior and Communications in Business Credits: 3
Advised Term 1st/2nd Year
- BUS 2450 - Business Law Credits: 4
Advised Term 1st Year
- ECO 2060 - Survey of Economics Credits: 4

- Advised Term 1st/2nd Year
- ACC 2122 - Managerial Accounting Credits: 4
Advised Term 2nd Year
- BUS 2230 - Principles of Marketing Credits: 3
Advised Term 2nd Year
- ACC 2210 - Cost Accounting Credits: 4
Advised Term 2nd/3rd Year
- ACC 2201 - Intermediate Accounting I Credits: 4
Advised Term 2nd/3rd Year
- ACC 2202 - Intermediate Accounting II Credits: 4
Advised Term 2nd/3rd Year
- MAT 2021 - Statistics Credits: 3
Advised Term 2nd Year
- BUS 3150 - Production/Operations Management Credits: 3
Advised Term 3rd Year
- BUS 3230 - Financial Management Credits: 3
Advised Term 3rd Year
- BUS 3240 - Global Business Credits: 3
Advised Term 3rd Year
- ACC 2230 - Federal Taxes Credits: 3
Advised Term 3rd/4th Year
- ACC 4050 - Auditing and Assurance Services Credits: 3
Advised Term 3rd/4th Year
- ACC 3115 - Advanced Accounting Credits: 3
Advised Term 3rd/4th Year
- BUS 3810 - Business Internship Credits: 3
Advised Term 4th Year
- ACC 4060 - Forensic Accounting Credits: 3
Advised Term 4th Year
- BUS 4830 - Senior Practicum Credits: 3
Advised Term 4th Year
- BUS 4060 - Strategic Management Credits: 3
Advised Term 4th Year

Bachelor of Science in Business Administration

Minimum required credits for the program: 58

Requirements for the program

Business Administration Core: (52 Credits)

- BUS 1090 - Business Math Credits: 3
Advised Term 1st Year
- BUS 1210 - Introduction to Business Software and Information Systems Credits: 3
Advised Term 1st Year
- BUS 2015 - Fundamentals of Management in Business Credits: 3
Advised Term 1st/2nd Year
- ACC 2121 - Financial Accounting Credits: 4

- Advised Term 1st/2nd Year
- BUS 2080 - Organizational Behavior and Communications in Business Credits: 3
Advised Term 2nd Year
- BUS 2450 - Business Law Credits: 4
Advised Term 1st Year
- ECO 2060 - Survey of Economics Credits: 4
Advised Term 2nd Year
- ACC 2122 - Managerial Accounting Credits: 4
Advised Term 2nd Year
- BUS 2230 - Principles of Marketing Credits: 3
Advised Term 2nd Year
- MAT 2021 - Statistics Credits: 3
Advised Term 2nd Year
- BUS 3150 - Production/Operations Management Credits: 3
Advised Term 3rd Year
- BUS 3230 - Financial Management Credits: 3
Advised Term 3rd Year
- BUS 3240 - Global Business Credits: 3
Advised Term 3rd Year
- BUS 3810 - Business Internship Credits: 3
Advised Term 4th Year
- BUS 4830 - Senior Practicum Credits: 3
Advised Term 4th Year
- BUS 4060 - Strategic Management Credits: 3
Advised Term 4th Year

Elective Credits: (6 credits)

Advised Term - Third and Fourth Year

Choose six credits of electives from the following list:

- BUS 2140 - Personal Finance Credits: 3
- BUS 3160 - Sales Management and Selling Credits: 3
- BUS 3260 - Investment and Portfolio Management Credits: 3
- BUS 3350 - Innovation, Creativity, and Entrepreneurship Credits: 3
- BUS 4030 - Marketing Research Credits: 3
- BUS 4190 - Leadership in Business Credits: 3
- ACC 2230 - Federal Taxes Credits: 3
- ACC 3050 - Computerized Accounting Credits: 3

Minor

Business Minor

Minimum required credits for the minor: 19

Requirements for the minor

- ACC 2121 - Financial Accounting Credits: 4
- BUS 1090 - Business Math Credits: 3
- BUS 1210 - Introduction to Business Software and Information Systems Credits: 3
- BUS 2015 - Fundamentals of Management in Business Credits: 3
- BUS 2230 - Principles of Marketing Credits: 3
- BUS 4190 - Leadership in Business Credits: 3

Marketing Minor

Minimum required credits for the minor: 19

Requirements for the minor

- BUS 1210 - Introduction to Business Software and Information Systems Credits: 3
- BUS 2015 - Fundamentals of Management in Business Credits: 3
- BUS 2230 - Principles of Marketing Credits: 3
- BUS 4030 - Marketing Research Credits: 3
- ECO 2060 - Survey of Economics Credits: 4
- MAT 2021 - Statistics Credits: 3

Education Programs

Elementary Education

see Department of Education

Secondary Education

- see Secondary Education and also:

Department of English

Department of Mathematics and Computer Science

Department of Natural Sciences

Department of Social Sciences

Physical Education (K-12)

- see Department of Exercise Science

Endorsements

- see this section

Post-Baccalaureate Plan

- see this section

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 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 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 to 8	Education Early Childhood2
5440-00	Elementary Education	K-6	Education Elementary Education
5440-05	English	7-12	English Literature degree plus licensure program
5440-11	Mathematics	7-12	Mathematics and Computer Science Mathematics degree plus licensure program
5440-08	Physical Education	K-12	Exercise Science and Physical Education Teacher Education
5440-13	Science	7-12	Natural Science any concentration plus licensure program
5440-15	Social Studies	7-12	Social Science any concentration plus licensure program
5440-82	Special Educator	K-8	Education

* 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

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 Dean of Academic Affairs, 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 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 Lyndon State College 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 Lyndon State College 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 Dean of Academic and Student Affairs. Passing scores for Praxis I 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 Dean of Academic Affairs. 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 I 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 college supervisor and the cooperating field teacher.

Performance of Lyndon Students

Of the students who were completing the College'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 a unsupervised situation.

Education

Ernest Broadwater, *Professor*

Tara Fortner, *Assistant Professor*

Bachelor of Science in Elementary Education, Endorsements:

(The following concentrations allow for Vermont licensing)

- Elementary Education
- Early Childhood Education
- Special Education - Special Educator (K-8)

Associate of Science in Special Education

Mission Statement

Centered on the belief that "Teaching is Learning," The Lyndon State College Department of Education prepares students for careers as effective teachers or paraeducators through extensive and carefully coordinated college coursework and field-based experiences.

Bachelor of Science in Elementary Education

Program Goals

The 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 a degree in the Liberal Arts and Sciences, Liberal Studies, or Interdisciplinary Liberal Studies
- prepare students for teaching through extensive field-based experience in teaching and classroom work.

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

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. Elementary Education: The core program plus student teaching and approval of a final portfolio allow students to become licensed to teach in the self-contained elementary classroom.
2. Special Education: The core program plus twelve credits and student teaching in special education allow students to be

licensed as a Special Educator (K-8). Students who are interested in obtaining both a license in elementary education (K-6) and a license in special education (K-8) must successfully complete two student teaching placements. This requires a full semester of additional fieldwork.

3. Early Childhood: The core program plus nine additional credits and student teaching in grades K-3 allow a student to qualify for the Early Childhood License (Pre-3).

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 I 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 2250, 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 I 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 I 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

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 Lyndon State College regulations regarding Praxis testing for licensure:

1. Passing scores for Praxis I must be on file at the college prior to the first of November before registering for Teaching Apprenticeship.
2. Passing scores for Praxis II must be on file at the college 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.

Second Major: Liberal Studies

Elementary education majors who seek professional licensure as Vermont Educators must also complete a liberal arts major. The requirements include:

Core	*Must Take
6 credits (ARH, ART, FLM, MUS, THA)	Select 2 Courses (Not including MUS 2220, THA 2840, THA 2845)
6 credits (ENG, HIS, PHI)	*Eng 2540 Global English *His 1211 American History 1
3 credits 1000 – 2000 Math/CIS	*MAT 3025 Math in the Elementary School
8 credits lab science	Take two of the following courses: ANY COMBINATION ALLOWED, EXCEPT ATM 1010 AND PHY 1120. BIO 1210 Intro to Biology GEY 1111 intro to Geology ATM 1010 Elementary (not hybrid) PHY 1120 Intro to Astronomy
6 credits ANT, GEO POS,SOC, ECO PSY	*POS 1020 Amer. Politics and Gov. *GEO 1010 Introduction to Geography
Interdisciplinary Requirements	15 – 16 credits with at least 8 credits at the 3000 – 4000 level
3 credits	*ENG3540 Methods of Teaching Writing
3 credits	*EDU 3110 Children's Literature or ENG 3010 Advanced Composition
3 credits	*PSY 3050 Child Development
3 credits	Recommended Elective ENG1310 Intro to Literature

Students must also take SCI-2310 Physical Science in the Classroom.

Student Learning Outcomes

Students who earn a Bachelors in Elementary Education 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 Education Department uses the following measures to assess and ensure student learning outcomes for the Elementary Education program. All students will

- 1) pass both the Praxis I and Praxis II standardized tests and;
- 2) earn positive evaluations on attributes and dispositions from fieldwork supervisors, EDU 1380: 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.

Additionally, either the 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 college 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 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.

Associate of Science

Associate of Science in Special Education

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 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 - Development & Education of Children with Disabilities Credits: 3
- EDU 2210 - Foundations of Education: Elementary and Special Education Credits: 3
- EDU 2220 - Introduction to Differentiated Instruction Credits: 2
- EDU 2230 - Supporting Students with Autism Spectrum Disorders Credits: 2
- EDU 2250 - Models of Discipline Credits: 2
- EDU 2840 - Field Experience Credits: 3
- EDU 2855 - Practicum for Paraeducators Credits: 3
- EDU 3020 - Educational Psychology Credits: 3
- EDU 3315 - Managing the Behavior of Individuals & Groups Credits: 2
- EDU 3520 - Mathematics Methods Credits: 2
- EDU 3540 - Reading and Literacy in the Elementary Classroom Credits: 3
- PSY 1050 - Human Growth and Development Credits: 3

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)

Bachelor of Science

Bachelor of Science in Elementary Education

Requirements for the program (core plus at least one concentration)

Elementary Education Core: (48 Credits)

- EDU 2120 - Development & Education of Children with Disabilities Credits: 3
Advised Term 1st/2nd Year
- EDU 2210 - Foundations of Education: Elementary and Special Education Credits: 3
Advised Term 1st Year
- EDU 2250 - Models of Discipline Credits: 2
Advised Term 2nd Year
- EDU 2840 - Field Experience Credits: 3
Advised Term 2nd Year
- EDU 3020 - Educational Psychology Credits: 3
Advised Term 2nd Year
- EDU 3315 - Managing the Behavior of Individuals & Groups Credits: 2
Advised Term 3rd Year
- EDU 3325 - Teaching Over Time: Curriculum Development Credits: 3
Advised Term 3rd Year
- EDU 3350 - Language Development & the Writing Process in the Elem. Classroom Credits: 3
Advised Term 2nd Year
- EDU 3510 - Differentiating Instruction, Assessment & Spec Ed Law Credits: 3
Advised Term 3rd Year

- EDU 3520 - Mathematics Methods Credits: 2
Advised Term 2nd Year
- EDU 3530 - Social Science Methods Credits: 2
Advised Term 2nd Year
- EDU 3540 - Reading and Literacy in the Elementary Classroom Credits: 3
Advised Term 3rd Year
- EDU 3550 - Technology in the Classroom Credits: 1
Advised Term 2nd Year
- EDU 3560 - Science and Health Methods Credits: 2
Advised Term 2nd Year
- EDU 3810 - Apprenticeship Fieldwork Credits: 4
Advised Term 3rd Year
- EDU 4250 - e-Portfolio Development Credits: 1
Advised Term 4th Year
- EDU 4730 - Student Teaching Seminar Credits: 2
Advised Term 4th Year
- MAT 2010 - Number Systems Credits: 3
Advised Term 2nd Year
- PSY 3050 - Child Development Credits: 3
Advised Term 2nd Year

Early Childhood License (Pre K-Grade 3) Concentration: (21 Credits)

Minimum required credits for the program: 70 credits, in addition to B.A. in Liberal Studies

- EDU 1030 - Introduction to Early Childhood Education Credits: 3
Advised Term 1st Year
- EDU 2850 - Practicum in Early Childhood Education Credits: 3
Advised Term 2nd Year
- EDU 3830 - Practicum in Early Childhood Education Credits: 3
Advised Term 3rd Year
- EDU 4811 - Teaching Elementary Education Credits: 12
Advised Term 4th Year
(must do grades K-3 student teaching)
(12 credits for 15 weeks of student teaching)

Elementary License Concentration: (12 credits)

Minimum required credits for the program: 61, in addition to B.A. in Liberal Studies

- EDU 4811 - Teaching Elementary Education Credits: 12

Special Educator License (K-8) Concentration: (24 credits)

Minimum required credits for the program: 73, in addition to B.A. Liberal Studies

For those students seeking dual licensure in elementary education and special education the following options are available:

EDU 4811, 12 credits and EDU 4880, 12 credits

OR

EDU 4811, 7 credits and EDU 4880, 7 credits

(12 credits for 15 weeks, or 7 credits for 9 weeks of student teaching)

- EDU 4011 - Reading Disabilities I Credits: 3
Advised Term 3rd Year
- EDU 4070 - Teaching Students with Special Needs: Elementary Emphasis Credits: 3
Advised Term 3rd Year
- EDU 4450 - Assessment of Exceptional Students Credits: 3
Advised Term 3rd or 4th Year
- EDU 4880 - Teaching Special Education Credits: 12
Advised Term 3rd or 4th Year
- EDU 4120 - Teaching Students with Emotional and Behavioral Disabilities Credits: 3
Advised Term 4th Year

Electronic Journalism Arts

David Ballou, *Professor (retired)*

Tim Lewis, *Professor*

Meaghan Meachem, *Assistant Professor*

Donna Smith, *Assistant Professor*

Dan Williams, *Associate Professor (bridge appointment)*

Darlene R. Bolduc-Ballou, *Director of Broadcast Operations*

Mark Mohrmann, *Broadcast Systems Administrator*

Aaron Young, *Video Broadcast/Theatre Operations Technician*

Bachelor of Science in Electronic Journalism Arts

Associate of Science in Electronic Journalism Arts

Minor: Electronic Journalism Arts for Broadcast Meteorologists

Mission Statement

The Lyndon State College Department of Electronic Journalism Arts (formerly known as Television Studies) 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 degree provides individually designed study for those persons seeking skills enhancement for entry-level professional opportunities. The four-year Bachelor of Science degree 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 Electronic Journalism Arts program trains students in reporting methods and techniques for visual, editorial, online and print mediums. The program 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 Lyndon State. 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.

Lyndon's Electronic Journalism Arts program enjoys a growing national reputation for excellence. In 2013 EJA 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.

Student Learning Outcomes

Graduates completing the major in Electronic Journalism Arts 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 Electronic Journalism Arts 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 LSC-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.

Associate of Science

Associate of Science in Electronic Journalism Arts

Minimum required credits for the program: 30

Requirements for the program

- EJA 1010 - Introduction to Media Communication Credits: 3
Advised Term 1st Year
- EJA 1020 - Communications Technology Credits: 3
Advised Term 1st Year
- ENG 2040 - Journalistic Writing Credits: 3
Advised Term 1st Year
- EJA 1221 - Person to Person Credits: 3
Advised Term 1st Year
- EJA 2050 - Digital Image Acquisition Credits: 3
Advised Term 2nd Year
- EJA 2051 - Aesthetics in Editing Credits: 3
Advised Term 2nd Year
- EJA 2130 - Local News Gathering Credits: 3
Advised Term 2nd Year
- EJA 2135 - Studio Production Credits: 3
Advised Term 2nd Year
- EJA 2145 - Art of the Interview Credits: 3
Advised Term 2nd Year
- EJA 2160 - History of Journalism Credits: 3
Advised Term 2nd Year

Bachelor of Science

Bachelor of Science in Electronic Journalism Arts

Minimum required credits for the program: 73

Requirements for the program

Foundations: (30 Credits)

- EJA 1010 - Introduction to Media Communication Credits: 3
Advised Term 1st Year
- EJA 1020 - Communications Technology Credits: 3
Advised Term 1st Year
- ENG 2040 - Journalistic Writing Credits: 3
Advised Term 1st Year
- EJA 1221 - Person to Person Credits: 3
Advised Term 1st Year
- EJA 2050 - Digital Image Acquisition Credits: 3
Advised Term 2nd Year
- EJA 2051 - Aesthetics in Editing Credits: 3
Advised Term 2nd Year
- EJA 2130 - Local News Gathering Credits: 3
Advised Term 2nd Year
- EJA 2135 - Studio Production Credits: 3
Advised Term 2nd Year
- EJA 2145 - Art of the Interview Credits: 3
Advised Term 2nd Year
- EJA 2160 - History of Journalism Credits: 3
Advised Term 2nd Year

Electronic Journalism Requirements: (43 Credits)

- EJA 2810 - VCCJ Practicum I - Editorial Credits: 3
OR
- EJA 2820 - VCCJ Practicum I - News 7 Production Credits: 3
OR
- EJA 2825 - VCCJ Practicum I - Print & Digital Journalism Credits: 3
Advised Term 3rd Year
- EJA 2843 - Performance and Presentation I Credits: 3
Advised Term 3rd Year
Pick two (2) of the following VCCJ Practica to be taken concurrently:
- EJA 3810 - VCCJ Practicum II: Reporting Credits: 3
- EJA 3811 - VCCJ Practicum II: Visual Credits: 3
- EJA 3812 - VCCJ Practicum II: NewsLINC Credits: 3
- EJA 3813 - VCCJ Practicum II: VJ Credits: 3
- EJA 3222 - Performance and Presentation II Credits: 3
Advised Term 3rd Year
- EJA 3030 - Law and Regulation Credits: 3
Advised Term 3rd Year
- EJA 3040 - Journalistic Writing II Credits: 3
Advised Term 3rd Year
- EJA 4020 - Issues and Ethics Credits: 3
Advised Term 3rd Year

- EJA 4100 - Web Producing - Content Management Credits: 3
Advised Term 3rd Year
- EJA 4810 - VCCJ Practicum III - Editorial Credits: 6
OR
- EJA 4820 - VCCJ Practicum III - Visual Credits: 6
OR
- EJA 4830 - VCCJ Practicum III - Print & Digital Journalism Credits: 6
Advised Term 3rd Year
- EJA 4222 - Performance and Presentation III Credits: 2
Advised Term 3rd Year
- EJA 4850 - eJ Convergence Portfolio - I-Team Credits: 3
OR
- EJA 4851 - eJ Convergence Portfolio - Photojournalism Credits: 3
OR
- EJA 4852 - NewsLINC Special Projects Credits: 3
OR
- EJA 4853 - Print & Digital Journalism Portfolio Credits: 3
Advised Term 4th Year
- EJA 4822 - Performance and Presentation IV Credits: 2
Advised Term 4th Year

Minor

Electronic Journalism Arts Minor

Minimum required credits for the minor: 22 - 23

Requirements for the minor

Requirements for the minor/BADJE (Broadcast and Digital Journalism Enhancement)

- EJA 1020 - Communications Technology Credits: 3
- EJA 1221 - Person to Person Credits: 3
- EJA 2050 - Digital Image Acquisition Credits: 3
- EJA 2051 - Aesthetics in Editing Credits: 3
- EJA 2130 - Local News Gathering Credits: 3
- EJA 2810 - VCCJ Practicum I - Editorial Credits: 3
- EJA 2828 - VCCJ Practicum I - Met Credits: 1-2
- EJA 2843 - Performance and Presentation I Credits: 3

English, Philosophy, and Film Studies

David B. Beliles, *Professor*

Chandler R. Gilman, *Associate Professor*

David M. Johnston, *Associate Professor*

Andrea Luna, *Professor*
Elaine Razzano, *Professor*
Dan Williams, *Associate Professor*

Bachelor of Arts in English

-Literature and Cultural Studies
-Journalism and Writing
-Film Studies

Bachelor of Arts in Professional Multimedia Communications

Associate of Science in Professional Multimedia Communications

Licensure in Secondary Education (see also: Secondary Education)

Minors: English, Film Studies, Philosophy, Professional Multimedia Communications

Mission Statement

The Lyndon State College 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 Lyndon.

Program Goals

The 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, and a variety of 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 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 majors, several concentrations, and a variety of liberal studies concentrations and minors, the

department provides flexible alternatives for majors 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 print and electronic journalism, as well as creative and professional writing, while the major in Professional Multimedia Communications offers 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 Cultural Studies.

The department also offers a licensure program for literature students interested in teaching English in grades 7-12. 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. The department also designs and implements the college's First-Year Writing Program.

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 will develop an understanding of

- representation as both a manifestation and analysis of human experience in its extraordinary variety over space and time and
- the nature and the function of language to represent and to manipulate reality and meaning

Assessing Student Learning Outcomes

The department's comprehensive assessment procedures are available on request and on the department's web page at: <http://campus.lyndonstate.edu/English/dept/assessment.htm>. 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.

Associate of Science

Associate of Science in Professional Multimedia Communications

Minimum required credits for the program: 27 credits

Foundations

- EJA 1010 - Introduction to Media Communication Credits: 3

- ENG 1080 - Expository Speaking Credits: 3
- ENG 2040 - Journalistic Writing Credits: 3
- ENG 2155 - Introduction to Multimedia Storytelling Credits: 3
- ART 1410 - Digital Photography Credits: 3

Advanced

- PHI 1050 - Ethical Practice Credits: 3
- BUS 2230 - Principles of Marketing Credits: 3
- ENG 3080 - Strategic Media Communications Credits: 3
- CIS 2141 - Programming Internet and Web Applications Part I Credits: 3
OR
- DES 2030 - Fundamentals of Web Design Credits: 3

Bachelor of Arts

Bachelor of Arts in English

Minimum required credits for the program: 45

Requirements for the program (Core, and either the Journalism and Creative Writing concentration, or Literature and Cultural Studies concentration, or Film Studies Concentration)

*ENG-2250, ENG-2290, ENG-2325, ENG-2390, and the Literature Track are required for Licensure in English Secondary Education.

Core: (27 Credits)

Writing: (9 credits)

- ENG 3010 - Advanced Composition and Rhetoric Credits: 3
Advised Term 3rd Year
Choose at least two from:
- ENG 2020 - Understanding the Writing Process Credits: 3
Advised Term 2nd Year
- ENG 2040 - Journalistic Writing Credits: 3
Advised Term 2nd Year
- ENG 2130 - Introduction to Writing Poetry Credits: 3
OR
- ENG 2140 - Introduction to Writing Fiction Credits: 3
Advised Term 2nd Year
- ENG 2155 - Introduction to Multimedia Storytelling Credits: 3
Advised Term 2nd Year

- ENG 2250 - Critical Approaches Credits: 3
*Above course required for licensure in English Secondary Education
Advised Term 2nd Year

Surveys: (9 credits)

Choose at least three from:

- ENG 2240 - Greek and Roman Classics Credits: 3
Advised Term 2nd/3rd Year
- ENG 2290 - Survey of British Literature and Culture Credits: 3
*Above course required for licensure in English Secondary Education
Advised Term 2nd/3rd Year
- ENG 2325 - Survey of American Literature and Culture Credits: 3
*Above course required for licensure in English Secondary Education
Advised Term 2nd/3rd Year
- ENG 2390 - Survey of World Literature: Explorations Credits: 3
*Above course required for licensure in English Secondary Education
Advised Term 2nd/3rd Year
- ENG 2480 - Survey of Literary Non-Fiction Credits: 3
Advised Term 2nd/3rd Year
- FLM 2010 - History of Cinema Credits: 3
Advised Term 2nd/3rd Year

Cultural Studies: (9 credits)

In addition to the following, selected History, Sociology, Anthropology, or Psychology courses with the approval of advisor.

Choose at least three from:

- ENG 2410 - Mystery and Detective Fiction Credits: 3
Advised Term 2nd/3rd Year
- ENG 3240 - The Bible as Literature Credits: 3
Advised Term 2nd/3rd Year
- ENG 3250 - Myths and Mythologies Credits: 3
Advised Term 2nd/3rd Year
- ENG 3255 - Folklore, Fairytales, and Children's Literature Credits: 3
Advised Term 2nd/3rd Year
- FLM 2020 - Semiotics and Cinema Credits: 3
Advised Term 2nd/3rd Year
- PHI 3065 - Philosophy of Film and Television Credits: 3
Advised Term 2nd/3rd Year
- PHI 2090 - Popular Culture and Philosophy Credits: 3
Advised Term 2nd/3rd Year

Journalism and Creative Writing Concentration: (15 Credits)

Five courses in either the Journalism or Creative Writing Track.

Journalism Track:

Choose five from:

- EJA 1010 - Introduction to Media Communication Credits: 3
- EJA 1020 - Communications Technology Credits: 3
- EJA 2130 - Local News Gathering Credits: 3
- EJA 2825 - VCCJ Practicum I - Print & Digital Journalism Credits: 3
- ENG 3080 - Strategic Media Communications Credits: 3
- ENG 4020 - Law of the Media Credits: 3
OR EJA 3030 Law and Regulation
- ENG 4030 - Writing and Publication Workshop Credits: 3
- ENG 4810 - Internship in English Credits: 3 to 15
(Only 3 credits may be counted for the program)

Creative Writing Track:

Choose five from the list below:

- ENG 3110 - Creative Writing Workshop Credits: 3
- ENG 3135 - Writing Lyric: Form and Theory Credits: 3
- ENG 3145 - Writing Narrative: Form and Theory Credits: 3
- ENG 4030 - Writing and Publication Workshop Credits: 3
Or any advanced Literature or Cultural Studies courses, with the approval of advisor.

Capstone: (3 credits)

- ENG 4910 - Portfolio/Thesis Credits: 3
Advised Term 4th Year

Literature and Cultural Studies Concentration: (15 credits)

Five courses in a chosen specialty (15 credits) plus a capstone course (3 credits).

Literature Track:

Required:

- ENG 3420 - Issues in British Literature and Culture 750-1750 Credits: 3
- ENG 3450 - Issues in British Literature and Culture 1750-present Credits: 3
Plus, choose a total of 9 credits from any 3000/4000-level literature courses

Cultural Studies Track:

Choose a total of 15 credits from:

- Any 3000/4000 level literature courses
- Any 3000/4000 level film courses

- Any 3000/4000 level philosophy courses

Capstone: (3 credits)

- ENG 4240 - Major Author Seminar Credits: 3
OR
- ENG 4750 - Senior Seminar Credits: 3
OR
- ENG 4910 - Portfolio/Thesis Credits: 3
Advised Term 3rd/4th Year

Film Studies Concentration: (15 Credits)

- FLM 1055 - Film Analysis and Appreciation Credits: 3
- FLM 4010 - Theory of Cinema Credits: 3

Choose three courses from:

- FLM 3010 - Auteur Filmmakers Seminar Credits: 3
- FLM 3610 - Film Studies Seminar Credits: 3
- FLM 4810 - Internship in Film Studies Credits: 3
- PHI 3140 - Philosophies of Art Credits: 3
- THA 2080 - Theatre Arts in The Dramatic Format Credits: 3
Or selected courses at the 3000 or 4000 level with approval of advisor.

Capstone:

- FLM 4610 - Senior Thesis Credits: 3

Bachelor of Arts in Professional Multimedia Communications

Minimum required credits for the program: 48

In addition to the requirements below, students majoring in Professional Multimedia Communications are required to complete MAT 2021, Statistics, as a part of their General Education Mathematics requirement.

Introductory Courses: (9 credits)

- ENG 1080 - Expository Speaking Credits: 3
Advised Term 1st Year
- EJA 1010 - Introduction to Media Communication Credits: 3
Advised Term 1st Year
- ENG 2040 - Journalistic Writing Credits: 3
Advised Term 1st/2nd Year

Foundation Courses: (15 credits)

- VID 1060 - Video Production I Credits: 3
Advised Term 1st/2nd Year
- ART 1410 - Digital Photography Credits: 3
Advised Term 1st/2nd Year
- PHI 1050 - Ethical Practice Credits: 3
Advised Term 1st/2nd Year
- BUS 2230 - Principles of Marketing Credits: 3
Advised Term 1st/2nd Year
- ENG 2155 - Introduction to Multimedia Storytelling Credits: 3
Advised Term 1st/2nd Year

Specialized Courses: (9 credits)

- ENG 3010 - Advanced Composition and Rhetoric Credits: 3
Advised Term 2nd/3rd Year
- ENG 3080 - Strategic Media Communications Credits: 3
Advised Term 2nd/3rd Year
- CIS 2141 - Programming Internet and Web Applications Part I Credits: 3
OR
- DES 2030 - Fundamentals of Web Design Credits: 3
Advised Term 2nd/3rd Year

Advanced Courses: (15 credits)

- BUS 4030 - Marketing Research Credits: 3
Advised Term 3rd/4th Year
- ENG 4020 - Law of the Media Credits: 3
Advised Term 3rd/4th Year
- CIS 4060 - Advanced Web Tools Credits: 3
Advised Term 3rd/4th Year
- ENG 4030 - Writing and Publication Workshop Credits: 3
Advised Term 3rd/4th Year
- ENG 4820 - Media Communications Practicum Credits: 3
OR
- ENG 4830 - Media Communications Internship Credits: 3-15
Advised Term 3rd/4th Year
(3 credits may be counted toward the program)

Minor

English Minor

Minimum required credits for the minor: 24

Requirements for the minor

Foundations of Writing, Literature, and Cultural Studies:

Choose four courses, with at least one from each group

Writing:

- ENG 2020 - Understanding the Writing Process Credits: 3
- ENG 2040 - Journalistic Writing Credits: 3
- ENG 2130 - Introduction to Writing Poetry Credits: 3
- OR
- ENG 2140 - Introduction to Writing Fiction Credits: 3
- ENG 2155 - Introduction to Multimedia Storytelling Credits: 3
- ENG 2250 - Critical Approaches Credits: 3
- ENG 3010 - Advanced Composition and Rhetoric Credits: 3

Literature:

- ENG 2240 - Greek and Roman Classics Credits: 3
- ENG 2290 - Survey of British Literature and Culture Credits: 3
- ENG 2325 - Survey of American Literature and Culture Credits: 3
- ENG 2390 - Survey of World Literature: Explorations Credits: 3
- ENG 2480 - Survey of Literary Non-Fiction Credits: 3

Cultural Studies:

Selected History, Sociology, Anthropology, or Psychology courses with the approval of advisor.

- ENG 2410 - Mystery and Detective Fiction Credits: 3
- ENG 3240 - The Bible as Literature Credits: 3
- ENG 3250 - Myths and Mythologies Credits: 3
- ENG 3255 - Folklore, Fairytales, and Children's Literature Credits: 3
- FLM 2020 - Semiotics and Cinema Credits: 3
- PHI 3065 - Philosophy of Film and Television Credits: 3
- PHI 2090 - Popular Culture and Philosophy Credits: 3

Advanced Studies:

Choose four additional courses in Writing or Literature, with at least three at the 3000-4000 level.

Film Studies Minor

Minimum required credits for the minor: 21

Requirements for the minor

- FLM 1055 - Film Analysis and Appreciation Credits: 3
- FLM 2010 - History of Cinema Credits: 3
- FLM 4010 - Theory of Cinema Credits: 3

Choice courses: (12 credits with at least 6 FLM credits and at least 6 credits at the 3000 or 4000 level)

- FLM 2020 - Semiotics and Cinema Credits: 3
- FLM 3010 - Auteur Filmmakers Seminar Credits: 3
- PHI 3065 - Philosophy of Film and Television Credits: 3
- FLM 3610 - Film Studies Seminar Credits: 3
- PHI 3140 - Philosophies of Art Credits: 3
- EJA 1010 - Introduction to Media Communication Credits: 3
- THA 2080 - Theatre Arts in The Dramatic Format Credits: 3

Philosophy Minor

Minimum required credits for the minor: 21

Requirements for the minor

Choose 21 credits from the courses below with at least 15 credits from PHI and 9 credits at the 3000 or 4000 level:

- PHI 1050 - Ethical Practice Credits: 3
- PHI 1060 - Problem Solving and Creative Thinking Credits: 3
- PHI 2030 - Approaches to Philosophy Credits: 3
- PHI 2050 - Nature, Science, and Technology Credits: 3
- PHI 2090 - Popular Culture and Philosophy Credits: 3
- PHI 3010 - Political Philosophy Credits: 3
- PHI 3065 - Philosophy of Film and Television Credits: 3
- PHI 3075 - Law, Language, and Ethics Credits: 3
- PHI 3140 - Philosophies of Art Credits: 3
- PHI 4810 - Internship in Philosophy Credits: 1 to 12
(Only 3 credits may be counted for the program)
- ENG 2250 - Critical Approaches Credits: 3
- FLM 2020 - Semiotics and Cinema Credits: 3
- FLM 4010 - Theory of Cinema Credits: 3

Professional Multimedia Communications Minor

Minimum required credits for minor: 18 credits

Professional Multimedia Communications Minor

- EJA 1010 - Introduction to Media Communication Credits: 3
- ENG 1080 - Expository Speaking Credits: 3
- ENG 2040 - Journalistic Writing Credits: 3
- ENG 2155 - Introduction to Multimedia Storytelling Credits: 3
- ENG 3080 - Strategic Media Communications Credits: 3
- CIS 2141 - Programming Internet and Web Applications Part I Credits: 3
OR
- DES 2030 - Fundamentals of Web Design Credits: 3

Exercise Science

Katie Bouley, *Assistant Professor*

Alexandria Evans, *Assistant Professor*

Gregory Ledoux, *Assistant Professor*

Zane Pfeffrle, *Assistant Professor*

Bachelor of Science in Exercise Science:

- Health Fitness - Strength and Conditioning
 - *CPT, HFS (ACSM)
 - *CPT, CSCS (NSCA)
- Pre-professional Physical Therapy (PT, OT, PA)
- Pre-professional Athletic Training
- Self-Designed

Bachelor of Science in Sport Leadership

Minors: Athletic Coaching Education, Exercise Science

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 physical education, sport leadership/management, and exercise science.

Emphasis is placed upon the development of academic, practical, and critical skills needed for lifelong learning as advocates of health promotion and disease prevention.

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 physical education and exercise science
- the technological and practical skills to access and read scholarly materials in physical education and 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.

A college 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.

The Physical Education Teacher Education (PETE) program integrates a wide variety of assessment methods compatible with the Vermont State Department of Education teacher licensure regulations. Teacher education students are required, as a capstone experience, to present their licensure portfolio to a panel of professionals after completing student teaching.

Program of Study

Bachelor degrees in physical education, exercise science, and sport leadership/management 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. The core provides a solid foundation of knowledge in the natural and exercise sciences while career track concentrations promote professional or personal career goals.

The 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, and is recognized by the National Strength and Conditioning Association's Education Recognition Program (2005-present). Lyndon is one of very few institutions in the country to be both CAAHEP Accredited and NSCA Recognized.

Health Fitness/Strength and Conditioning Concentration: Students prepare for careers/national examinations such as American College of Sports Medicine Health Fitness Specialist (HFS), National Strength and Conditioning Association Certified Strength and Conditioning Specialist (CSCS), Certified Personal Trainer (CPT), and/or graduate study.

Pre-Professional Physical Therapy Concentration: Students pursue a bachelor's degree in Exercise Science from Lyndon State College 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 licensure. This concentration is in conjunction with Pre-Professional Occupational Therapy and Pre-Professional Physician's Assistant: Students pursue a bachelor's degree in Exercise Science from Lyndon State College and then make application to a 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 licensure.

Pre-Professional Athletic Training Concentration: Students pursue a bachelor's degree in Exercise Science from Lyndon State College 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 certification (ATC).

The unique self-designed concentration requires a minimum of 25 credits of course work with a coherent and rigorous focus. The self-designed program must be proposed to and approved by the Department of Exercise Science.

It is important to note that graduate programs are high 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).

The PETE degree program is approved by the Vermont State Department of Education, and graduates gain a teaching license recognized in 50 states. All students must comply with the current State of Vermont regulations regarding Praxis I and II testing for licensure. Praxis I and II results must be on file at the college 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.

Requirements for the Bachelor of Science in Physical Education

Computer Literacy Requirement: All students must demonstrate computer literacy in word processing, computer presentations and spreadsheets OR pass appropriate CIS classes selected in consultation with their advisor. Demonstration of computer literacy may be accomplished by successful completion of classroom assignments or an independent study arranged with your advisor.

The following are Vermont's requirements for teacher licensure:

1. Completion of course work that addresses the Principles for Vermont Educators, and Vermont's Framework of Learning Opportunities, and the National Association of Sports and Physical Education (NASPE) standards.
2. Recommendation for licensure by a professional panel after the student's licensure portfolio presentation.
3. The completion of the Primary Requirements for the B.S. in Physical Education, recognized by the State of Vermont as a Liberal Arts and Physical Education Major.
4. All students must attain satisfactory completion of the Praxis I and Praxis II Competency Test before student teaching and comply with the current State of Vermont regulations regarding skills testing for licensure.
5. Maintain a 3.0 GPA.

Note: All students must have current Red Cross and CPR cards and a criminal records check before enrolling in PED-4830, Physical Education K-12 Student Teaching, or XSC-4810 Internship.

Health Education Endorsement

PETE students may also gain a teaching endorsement in Health Education (from the Vermont Department of Education via the transcript review process) by completing the following courses:

PSY 1130 Introduction to Substance Abuse 3 credits
PSY 2120 Human Sexuality 3 credits
XSC 2140 Personal and Community Health 3 credits
PED 3150 Methods of Teaching Health 3 credits

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 or pass appropriate CIS classes selected in consultation with their advisor. Demonstration of computer literacy may be accomplished by successful completion of classroom assignments or an independent study arranged with your advisor.

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).

Bachelor of Science

Bachelor of Science in Exercise Science

Requirements for program (Core plus a Concentration)

Core: (27 credits)

- XSC 1090 - Introduction to Exercise Science Credits: 3
Advised Term 1st Year
- XSC 2050 - Human Gross Anatomy Credits: 4
Advised Term 2nd Year
- XSC 2055 - Human Physiology Credits: 4
Advised Term 2nd Year
- XSC 3120 - Kinesiology Credits: 3
Advised Term 3rd Year
- XSC 3150 - Physiology of Exercise Credits: 4
Advised Term 3rd Year
- XSC 4010 - Motor Development Credits: 3
Advised Term 3rd/4th Year
- XSC 4071 - Assessment of Exercise Science Credits: 3
Advised Term 4th Year
- XSC 4072 - Research Methods in Exercise Science Credits: 3
Advised Term 4th Year

Health Fitness - Strength and Conditioning Concentration: (40 credits)

Minimum required credits for the program: 67

*This concentration provides students with the knowledge, skills, and abilities for eligibility to sit for the following certification examinations:

1. Certified Strength and Conditioning Specialist (CSCS) - National Strength and Conditioning Association (NSCA).
2. Health Fitness Specialist (HFS) - American College of Sports Medicine (ACSM).
3. Certified Personal Trainer (CPT) - NSCA or ACSM.

Only 3 credits of XSC 4810 or XSC 4820 may be used to fulfill this concentration.

- XSC 1255 - Fitness for Health and Performance Credits: 3
Advised Term 1st Year
- XSC 2111 - Care and Prevention of Injuries Credits: 4
Advised Term 1st Year
- XSC 3080 - Personal Fitness Credits: 3
Advised Term 3rd Year
- XSC 4080 - Fundamentals of Physical Conditioning Credits: 3
Advised Term 3rd Year
- XSC 4090 - Exercise Testing, Interpretation, and Intervention Credits: 4
Advised Term 4th Year
- XSC 4130 - Practical Applications in Exercise Science Credits: 2
Advised Term 4th Year
- XSC 4150 - Clinical Exercise Prescription Credits: 3
Advised Term 4th Year
- XSC 4810 - Internship In Exercise Science Credits: 3 to 12
OR
- XSC 4820 - Practicum in Exercise Science Credits: 1 to 6
Advised Term 4th Year
- BIO 1210 - Introduction to Biology Credits: 4
Advised Term 1st Year
- BIO 2060 - Nutrition for Health and Fitness Credits: 3
Advised Term 3rd Year
- CHE 1023 - Outline of General Chemistry Credits: 4
Advised Term 2nd Year
- PHY 2031 - Fundamental Physics I Credits: 4
Advised Term 3rd Year

Pre-Professional Athletic Training Concentration: (34 credits)

Minimum required credits for the program: 61

Only 3 credits of XSC 4810 may be used to fulfill this concentration.

- XSC 1255 - Fitness for Health and Performance Credits: 3
Advised Term 1st Year
- XSC 2111 - Care and Prevention of Injuries Credits: 4
Advised Term 1st Year
- XSC 2153 - Evaluation & Management of Lower Extremities Credits: 3
Advised Term 2nd Year
- XSC 2154 - Evaluation & Management of Upper Extremities Credits: 3
Advised Term 2nd Year
- XSC 3080 - Personal Fitness Credits: 3
Advised Term 3rd Year
- XSC 4810 - Internship In Exercise Science Credits: 3 to 12
Advised Term 4th Year
- BIO 1210 - Introduction to Biology Credits: 4
Advised Term 1st Year
- BIO 2060 - Nutrition for Health and Fitness Credits: 3
Advised Term 3rd Year
- CHE 1023 - Outline of General Chemistry Credits: 4
Advised Term 2nd Year

- PHY 2031 - Fundamental Physics I Credits: 4
Advised Term 3rd Year

Pre-Professional Physical Therapy/O.T/P.A. Concentration: (32 credits)

Minimum required credits for the program: 59

*This concentration satisfies most application requirements for advanced graduate study in exercise science, and professional education in allied health, including but not limited to occupational therapy, speech therapy, and physician assistant. Students in this concentration are best prepared by taking MAT-1020 prior to MAT-2021 (Statistics).

Only 3 credits of XSC 4810 may be used to fulfill this concentration.

- XSC 1255 - Fitness for Health and Performance Credits: 3
Advised Term 1st Year
- XSC 4810 - Internship In Exercise Science Credits: 3 to 12
Advised Term 4th Year
- BIO 1210 - Introduction to Biology Credits: 4
Advised Term 1st Year
- CHE 1031 - General Chemistry I Credits: 4
Advised Term 2nd Year
- CHE 1032 - General Chemistry II Credits: 4
Advised Term 2nd Year
- MAT 2021 - Statistics Credits: 3
Advised Term 1st or 2nd Year
- PHY 2031 - Fundamental Physics I Credits: 4
Advised Term 3rd Year
- PHY 2032 - Fundamental Physics II Credits: 4
Advised Term 3rd Year
- PSY 1010 - Introduction to Psychology Credits: 3
OR
- PSY 1050 - Human Growth and Development Credits: 3

Self-Designed Program Concentration: (25 credits)

Minimum required credits for the program: 52

Only 3 credits of XSC 3810 or XSC 4810 may be used to fulfill this concentration. In addition to the required courses below, choose 18 credits in Exercise Science in consultation with your faculty advisor.

- XSC 3810 - Practicum in Phys Ed and/or Exercise Science Credits: 1 to 6
OR
- XSC 4810 - Internship In Exercise Science Credits: 3 to 12
Advised Term 4th Year
- BIO 1210 - Introduction to Biology Credits: 4
OR
- CHE 1023 - Outline of General Chemistry Credits: 4
Advised Term 1st or 2nd

Bachelor of Science in Sport Leadership

Minimum required credits for program: 42

Requirements for the program

- SPL 1010 - Introduction to Sport Leadership Credits: 3
Advised Term 1st Year
- BUS 1090 - Business Math Credits: 3
Advised Term 1st Year
- SPL 2010 - Sport Marketing Credits: 3
Advised Term 1st Year
- ENG 1080 - Expository Speaking Credits: 3
Advised Term 1st Year
- SPL 2020 - Sport Ethics and Social Issues Credits: 3
Advised Term 2nd Year
- SPL 2030 - Athletic Administration Credits: 3
Advised Term 2nd Year
- SPL 2810 - Sport Leadership Practicum Credits: 3
Advised Term 2nd Year
- SPL 2040 - Sport Media Credits: 3
Advised Term 3rd Year
- SPL 3810 - Sport Leadership Advanced Practicum Credits: 3
Advised Term 3rd/4th Year
- SPL 3010 - Sport Business Credits: 3
Advised Term 3rd/4th Year
- XSC 2060 - Sport and Exercise Psychology Credits: 3
Advised Term 3rd/4th Year
- SPL 3020 - Sport Law Credits: 3
Advised Term 4th Year
- XSC 4810 - Internship In Exercise Science Credits: 3 to 12
(Sport Leadership) only 3 credits may be used for program requirements; Advised Term 4th Year
- SPL 4010 - Sport Leadership and Governance Credits: 3
Advised Term 4th Year

Minor

Athletic Coaching Education Minor

Minimum required credits for the minor: 18

First Aid - CPR Required.

This minor meets the course requirements for the following standards:

- *Vermont Principals' Association Coaches Education Program
- *American Sport Education Program (ASEP) Bronze Level Certification
- *ASEP National Coaches Registry

Requirements for the minor

- XSC 2111 - Care and Prevention of Injuries Credits: 4
- XSC 3130 - Coaching Principles Credits: 3
- XSC 3810 - Practicum in Phys Ed and/or Exercise Science Credits: 1 to 6
- PED 3010 - Coaching Methods Credits: 2

Choose six credits from:

- XSC 1255 - Fitness for Health and Performance Credits: 3
- XSC 2060 - Sport and Exercise Psychology Credits: 3
- BIO 2060 - Nutrition for Health and Fitness Credits: 3

Exercise Science Minor

Minimum required credits for the minor: 21

Requirements for the minor

- XSC 1090 - Introduction to Exercise Science Credits: 3
- XSC 1255 - Fitness for Health and Performance Credits: 3
- XSC 2050 - Human Gross Anatomy Credits: 4
- XSC 2055 - Human Physiology Credits: 4
- XSC 3120 - Kinesiology Credits: 3
- XSC 3150 - Physiology of Exercise Credits: 4

Explorations

Director: Janet Bennion, *Professor, Sociology and Anthropology*

Faculty Advisors:

David B. Beliles, *Professor (English)*

Kevin Farrell, *Associate Professor (Mathematics)*

Chandler R. Gilman, *Associate Professor (English)*

David M. Johnston, *Assistant Professor (Philosophy)*

Andrea Luna, *Professor (English)*

Daisy McCoy, *Professor (Mathematics)*

Mission Statement

The Lyndon State College 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

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 may interest them
- work with an Explorations mentor who will help them choose courses, explore career explorations, and discover career paths students might not have imagined
- complete many general education requirements while exploring choices of courses and disciplines.
- surround themselves with like-minded students and
- 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, faculty mentors 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 General Education credits

Program Description

The Explorations program is designed to help students select classes and majors that complement their skills and interests. They begin their first semester with a sampler of GEU courses, including INT-1020: Academic Community, and a required Math and English course. While fulfilling General Education requirements and keeping students on track to graduate on time, this schedule allows students to experience a wide range of courses 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.

Other Program Areas

Explorations

This sample schedule is designed to ensure that an Explorations student has the opportunity to sample from the great branches of knowledge so that unexpected interests may be tapped. In the Explorations program, you will use your General Education 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 - 14 to 16 credits

INT-1020 Entering an Academic Community
Writing course (based upon test placement)
Mathematics course (based upon test placement)
General Education Distribution course
Course in an area of interest to the student

Second Semester - 15 -16 credits

Courses chosen in consultation with advisor

Explorations Choice Courses

BUS-2015 Fundamentals of Management in Business *for potential Business majors and Sport Leadership majors*
EDU-2210 Foundations of Education:Elementary and Special Education *for potential Education majors*
ENG-1310 Introduction to Literature *for potential English majors*
ENV-2060 Energy, Environment and Society or GEY-1111 Introduction to Geology or CHE-1031 General Chemistry I *for potential Science majors*
MUS-1030 Music Fundamentals or EJA-1010 Introduction to Media Communication *for potential Music Business and Industry majors*
XSC-2111 Care and Prevention of Injuries *for potential Pre-physical Therapy and Pre-Athletic Training majors*
ART-1011 Drawing I *for potential Design, Visual Arts, Visual Communications, and Animation/Illustration majors*
PSY-1010 Introduction to Psychology or PSY-1050 Human Growth and Development *for potential Human Services or Psychology majors*
MAT-1020 Intermediate Algebra or MAT-1410 Pre-Calculus *for potential Mathematics majors*
ATM-1010 Elementary Meteorology or ATM-1211 Survey of Meteorology I *for potential Atmospheric Sciences majors*
BIO-1211 Introduction to Biology: Ecology and Evolution or BIO-1212 Introduction to Biology: Cells and Genetic Basis *for potential Natural Science majors*
MRM-1080 Leadership and Small Group Dynamics *for potential Recreation Resource and Ski Resort Management majors*
ANT-1030 Introduction to Anthropology or SOC-1010 Introduction to Sociology or SOC-1030 Social Problems or HIS-1011 Western Civilization I or HIS-1020 Comparative Civilizations or POS-1010 Introduction to Political Science *for potential Social Science majors*
EJA-1020 Communications Technology *for potential e-Journalism majors*
XSC-1090 Introduction to Exercise Science *for potential Exercise Science majors*

Liberal Studies

Liberal Studies Coordinator: Daniel Daley, *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 44 - 45 credits with 29 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 Arts

Associate of Arts in General Studies

Program Mission Statement

This program is intended to introduce students to the nature and benefits of college 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: 43 Credits

Completion of General Education for Four-Year Programs: 43 Credits

Elective courses: 19 - 21 Credits

Elective courses must be in addition to, and distinct from, the courses included in the General Education and College Skills course requirements. Courses cannot be counted in both areas.

Minimum required credits for the program: 62

Bachelor of Arts

Bachelor of Arts in Liberal Studies

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 and Computer Science

James Bozeman, *Professor*

Daniel Daley, *Assistant Professor*

Kevin Farrell, *Associate Professor*

Deborah Hughes, *Associate Professor*

Daisy McCoy, *Professor*

Bachelor of Arts in Mathematics

Bachelor of Science in Computer Information Systems

Associate of Science in Computing

Licensure in Secondary Education (See: Secondary Education)

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. Lyndon State 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 College.

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 student's Portfolio in Mathematics. 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 Portfolio.

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 Lyndon State College. 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:

- work skillfully with widely used software applications
- create web sites and/or understand and employ related web applications programs
- apply appropriate computing techniques when analyzing complex problems and creating solutions to these problems
- demonstrate proficiency in a variety of high-level programming languages and paradigms
- create robust computer software solutions
- successfully participate in all areas of the software development lifecycle

Assessing Student Learning Outcomes

All majors are required to complete a portfolio that reflects successful completion of student outcomes.

Associate of Science

Associate of Science in Computing

Minimum required credits for the program: 28

Requirements for the program

- CIS 1090 - Problem Solving with Computers Credits: 3
Advised Term 1st Year
- CIS 2271 - Java Programming Credits: 3
Advised Term 1st Year
- CIS 2032 - C++ Programming Credits: 3
OR CIS 2142 Advanced Visual Basic
Advised Term 2nd Year
- CIS 3050 - Algorithms and Data Structures Credits: 3
Advised Term 2nd Year
- CIS 2330 - Database Systems Credits: 3
Advised Term 1st/2nd Year
- MAT 2021 - Statistics Credits: 3
Advised Term 2nd Year
- ENG 2060 - Technical Writing Credits: 3
Advised Term 2nd Year
- CIS 2141 - Programming Internet and Web Applications Part I Credits: 3
Advised Term 2nd Year
- CIS 3110 - Networking Credits: 3
Advised Term 2nd Year
- CIS 2990 - Portfolio Credits: 1
Advised Term 2nd Year

Bachelor of Arts

Bachelor of Arts in Mathematics

Minimum required credits for the program: 41

Requirements for the program

Note: Majors are encouraged to complete a minor in another discipline or have a supportive area approved by the department. Independent study courses for the major are to be used only under unusual and compelling circumstances. Specifically, students will be limited to one independent study for required mathematics courses and no more than two for the overall major.

Experiential Component: Every major will perform either an internship (MAT-3810), student teach (EDU-4850), tutor, and/or make research presentations (MAT-4710).

Foundations:(32 Credits)

- CIS Programming Language Credits: 3
Advised Term 1st Year
- MAT 1531 - Calculus I Credits: 4
Advised Term 1st Year
- MAT 2532 - Calculus II Credits: 4

- Advised Term 1st Year
- MAT 2210 - Sets, Logic, and Proof Credits: 3
Advised Term 2nd Year
- MAT 2543 - Calculus III Credits: 5
Advised Term 2nd Year
- MAT 3130 - Statistical Theory and Applications Credits: 3
Advised Term 2nd Year
- MAT 3210 - Linear Algebra Credits: 3
Advised Term 2nd Year
- MAT 3310 - Introduction to Differential Equations Credits: 3
Advised Term 3rd Year
- MAT 4040 - Complex Analysis Credits: 3
OR
- MAT 4060 - Real Analysis Credits: 3
Advised Term 3rd/4th Year
- MAT 4990 - Portfolio Credits: 1
Advised Term 4th Year

Electives: (9 credits)

Choose three from the following. At least one must have a MAT designation. *Note that MAT-3010, MAT-4130, and MAT-4140 are required for licensure in Secondary Education.

- Physics (Calculus based)
- Computer Science (CIS 3050 or above)
- MAT 3010 - History of Mathematics Credits: 3
*See note above
- MAT 3730 - Topics in Differential Equations Credits: 3
- MAT 3810 - Cooperative Field Work Credits: 3 to 12
- MAT 4120 - Numerical Analysis Credits: 3
- MAT 4130 - Abstract Algebra Credits: 3
*See note above
- MAT 4140 - Geometry Credits: 3
*See note above
- MAT 4710 - Special Studies in Math Credits: 1 to 3

Bachelor of Science

Bachelor of Science in Computer Information Systems

Minimum required credits required for the program: 51

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 Mathematics requirements.

Foundations (45 Credits):

- CIS 1090 - Problem Solving with Computers Credits: 3
Advised Term 1st Year

- CIS 2271 - Java Programming Credits: 3
Advised Term 1st Year
- CIS 1060 - Introduction to Databases Credits: 1
Advised Term 1st Year
- CIS 1050 - Computer Operation Systems and Spreadsheets Credits: 1
Advised Term 1st Year
- CIS 2330 - Database Systems Credits: 3
Advised Term 2nd Year
- CIS 2112 - Computer Hardware & Organization Credits: 3
Advised Term 2nd or 3rd Year
- CIS 2032 - C++ Programming Credits: 3
Advised Term 2nd Year
- CIS 3050 - Algorithms and Data Structures Credits: 3
Advised Term 2nd or 3rd Year
- CIS 2141 - Programming Internet and Web Applications Part I Credits: 3
Advised Term 1st or 2nd year
- CIS 3110 - Networking Credits: 3
Advised Term 2nd or 3rd Year
- MAT 2210 - Sets, Logic, and Proof Credits: 3
Advised Term 3rd or 4th Year
- BUS 2080 - Organizational Behavior and Communications in Business Credits: 3
Advised Term 3rd or 4th Year
- CIS 3120 - Programming Internet and Web Applications Part II Credits: 3
Advised Term 2nd or 3rd Year **Credits / Units: 3**
- CIS 4040 - Computer Security Credits: 3
Advised Term 4th Year
- CIS 4810 - Internship in Computer Science Credits: 3
Advised Term 3rd or 4th Year
- CIS 4120 - Systems Analysis and Design Credits: 3
Advised Term 3rd or 4th Year
- CIS 4990 - Portfolio Credits: 1
Advised Term 4th Year

Electives: (6 Credits)

- CIS 2142 - Advanced Visual Basic Credits: 3
Advised Term 2nd or 3rd Year
- CIS 2101 - Introduction to Unix Credits: 1
Advised Term 3rd or 4th Year
- CIS 2279 - Introduction to Perl Programming Credits: 1
Advised Term 3rd or 4th Year
- CIS 2290 - Introduction to Python Credits: 1
Advised Term 3rd or 4th Year
- CIS 4060 - Advanced Web Tools Credits: 3
Advised Term 3rd or 4th Year
- CIS 2060 - Programming with FORTRAN Credits: 3
Advised Term 2nd or 3rd Year

Minor

Mathematics Minor

Minimum required credits for the minor: 21

Requirements for the minor

- One programming course Credits: 3
- One math course approved by the department Credits: 3
- MAT 2532 - Calculus II Credits: 4
- MAT 2543 - Calculus III Credits: 5
- MAT 3210 - Linear Algebra Credits: 3
- MAT 3310 - Introduction to Differential Equations Credits: 3

Mountain Recreation Management

Thomas Anderson, *Associate Professor*

John DeLeo, *Professor*

Sean Doll, *Assistant Professor*

Benjamin Mirkin, *Assistant Professor*

Bachelor of Science in Mountain Recreation Management

-Adventure Leadership

-Mountain Resort Management

-Recreation Resource Management

Mountain Recreation 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

Certifications:

- Wilderness First Responder
- CPR
- Leave No Trace Master Educator
- Outdoor Emergency Care
- State of Vermont Lift Apprentice Level I

Certificates of Completion:

- Avalanche Level I & II (AIARE)
- Geographic Information Systems (ESRI)

Mission Statement

The Lyndon State College Mountain Recreation Management 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 Mountain Recreation Management Department bond the three concentrations of Adventure Leadership, Mountain Resort Management, and Recreation Resource 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 three concentrations in the baccalaureate program: Adventure Leadership, Mountain Resort Management, and Recreation Resource Management. The concentrations require 41-46 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 including both relational and spatial database management. 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 Leadership** 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, GIS, GPS, mapping & planning, and adventure skills training in rock climbing, ice climbing, mountaineering, backcountry skiing/riding, mountain biking, 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.

The **Recreation Resource Management** concentration includes classroom and extensive field experiences that provide a theoretical and practical understanding of planning and management techniques for land and water-based recreation resources. Students obtain an experience-based understanding of environmental policy, recreation related environmental issues, the impact and management of human activity on recreation resources areas, and the use of G.I.S. and G.P.S. Graduates of the Recreation Resource Management concentration obtain positions as recreation planners and managers in natural resource agencies and organizations as well as move into private industry as GIS mapping technicians. A Minor in Natural Science is strongly recommended.

Bachelor of Science

Bachelor of Science in Mountain Recreation Management

Requirements for the program (core plus a concentration)

Core: (41 - 47 credits)

MAT 2021, Statistics, is strongly recommended for all Recreation majors to complete the GEU Mathematics requirement.

- MRM 1010 - Leisure and Society Credits: 3
Advised Term 1st Year
- MRM 1020 - Problem Solving Techniques Credits: 3
Advised Term Spring 1st Year
- MRM 1080 - Leadership and Small Group Dynamics Credits: 3
Advised Term 1st Year
- MRM 1810 - Outdoor Education Practicum Credits: 3
Advised Term Spring 1st Year
- MRM 2120 - Recreation Resource Impacts Credits: 3
Advised Term Fall 2nd Year
- MRM 3020 - Program Planning and Delivery Credits: 3

- Advised Term Fall 3rd Year
- MRM 3050 - Risk Management Credits: 3
Advised Term Spring 3rd Year
- MRM 3110 - Public Relations Credits: 3
Advised Term Spring 3rd Year
- MRM 4020 - Recreation Management Credits: 3
Advised Term 4th Year
- MRM 4720 - Management Intern Seminar Credits: 1
Advised Term 3rd/4th Year
- MRM 4740 - Research and Evaluation Capstone Credits: 4
Advised Term 3rd/4th Year
- MRM 4820 - Management Internship Credits: 9 to 15
Advised Term 4th Year

Mountain Resort Management Concentration: (20 credits)

Minimum required credits for the program: 61

- MRM 1140 - Introduction to Mountain Resort Management Credits: 3
Advised Term Fall 1st Year
- MRM 2050 - Outdoor Emergency Care Credits: 3
Advised Term Fall 2nd Year
- MRM 2841 - Mountain Resort Management I Credits: 4
Advised Term Fall 2nd Year
- MRM 2842 - Mountain Resort Management II Credits: 4
Advised Term Spring 2nd Year

Take two additional courses selected from:

- MRM 2210 - Lift Functions and Maintenance Credits: 3
Advised Term Fall 2nd Year
- MRM 2852 - Snow Maintenance Credits: 3
Advised Term Fall 2nd Year
- MRM 2855 - Summer Mountain Operations Credits: 3
Advised Term Spring 2nd Year

Adventure Leadership Concentration: (22 credits)

Minimum required credits for the program: 63

- MRM 1110 - Adventure Programming I Credits: 3
Advised Term Fall 1st Year
- MRM 1132 - Outdoor Adventure Skills Credits: 1 to 2
Must take a total of 8 credits
Advised Term 1st/2nd/3rd Year
- MRM 2060 - Wilderness First Responder Credits: 3
Advised Term Fall 2nd Year
- MRM 2850 - Adventure Programming II Credits: 4

Advised Term 2nd Year

- MRM 3140 - Outdoor Expedition Credits: 1 to 4
Must take a total of 4 credits
Advised Term 3rd or 4th Year

Recreation Resource Management Concentration: (23 credits)

Minimum required credits for the program: 64

- GIS 1050 - Introduction to Fundamentals of Geographic Information Systems (GIS) and Global Positioning Systems (GPS) Credits: 3
Advised Term Fall 1st Year
- GIS 2010 - Spatial Analysis Techniques in Geographic Information Systems Credits: 3
Advised Term Spring 2nd Year
- MRM 2830 - Applied Field Techniques in Recreation Resource Mapping Credits: 4
Advised Term Fall 2nd Year
- CIS 1090 - Problem Solving with Computers Credits: 3
Advised Term Fall 1st Year
- CIS 2271 - Java Programming Credits: 3
Advised Term Spring 2nd Year

Science Foundation: Take 7 - 8 credits of the following

- MRM 2130 - Wilderness Mind Credits: 3
Advised Term Fall 2nd Year
- GEY 1111 - Introduction to Geology I Credits: 4
Advised Term Spring 1st Year
- GEY 2112 - Introduction to Geology II Credits: 4
Advised Term Fall 2nd Year
- GEY 3110 - Hydrogeology Credits: 4
Advised Term Fall 3rd/4th Year
- BIO 4050 - Watershed Ecology Credits: 4
Advised Term Fall 3rd/4th Year
- BIO 4210 - Wildlife Biology and Management Credits: 4
Advised Term Fall 3rd/4th Year

Music and Performing Arts

Joseph Gittleman, *Assistant Professor*

Britt Moore, *Assistant Professor*

Elizabeth Norris, *Associate Professor*

Bachelor of Science in Music Business and Industry

- Business
- Management
- Music and Self-Promotion

- Production
- Radio Operations
- **E-Music Composition**

Associate of Science in Audio Production

Associate of Science in Music and Self-Promotion

Associate of Science in Music Industry Management

Minors: **Music, Theater**

Mission Statement

Lyndon's degree programs in Music and Performing Arts provide students with focused study in an integrated, cross-disciplinary approach that includes creative, practical opportunities for all students regardless of prior performance experience.

Program Goals

Lyndon's degree programs in Music and Performing Arts strive to provide our graduates with the necessary knowledge, experience, and skills to enter their adult lives equipped and prepared for their futures, for their potential careers, and to face the challenges of the current social and financial climate. Lyndon's generous and varied liberal studies curriculum forms the basis for every student's success as Lyndon seeks to educate the whole person. The degree programs in Music and Performing Arts build upon this foundation and attempt to integrate rather than to isolate our subject matter by crossing disciplines and offering a wider view of the professional world than can be found in most traditional performing arts programs.

Program Description

The Music and Performing Arts degree programs at Lyndon give students the opportunity to translate their love of music into a personally meaningful career that can provide a financially stable and artistically rewarding life. The program equips students to meet the demands of the contemporary industry through creative and supportive use of curriculum, technology, and industry partnerships. Students are mentored in all areas of the industry including professional comportment, business acumen, and technical problem-solving skills.

Lyndon's Bachelor of Science degree in Music Business & Industry includes concentrations in Music & Self-Promotion, E-Music Composition, Management, Business, Production, and Radio Operations. These concentrated areas of study provide students with a foundation for success in a variety of career fields both in and outside of the recording studio. Depending upon the chosen concentration, students become familiar with industry concerns such as contract negotiations and copywriting, talent, venue and event management, radio station operations and management, studio production and audio engineering, and music theory and composition.

To provide options for students seeking other paths into the music business, the MPA Department offers three Associate of Science programs. These two-year degrees, which focus primarily on professional study and career preparation, are Audio Production, Music and Self-Promotion, and Music Industry Management. They operate as both a stand-alone degree option for students interested in a two-year program, or as a way to augment a number of four-year programs housed at Lyndon State College.

Student Learning Outcomes

Students in the Music Business and Industry program will demonstrate:

- an awareness of and preparation for the collaborative demands of the music industry;
- an ability to apply in a professional context processes and procedures specific to the music industry; and
- a sophisticated understanding of professional expectations in the music industry.

Program Assessment

General program assessment occurs in consultation with an advisory board of industry professionals and recent alumni, as well as through the NEASC (New England Association of Schools and Colleges) review process. In addition, fulltime MPA faculty regularly review internship opportunities, monitor job placements and accomplishments of graduates, attend to current trends in the music business, participate in academic and professional conferences, and maintain active involvement in the music industry which allows faculty to stay informed about national and international standards in the field. Student Learning Outcomes are assessed through a variety of capstone projects embedded in senior-level courses required for the program. The department's comprehensive assessment procedures are available on request. The department's comprehensive assessment procedures are available on request.

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 (which includes remaining in good academic standing), completion of MBI 1360, "Introduction to the Music Industry" with a minimum grade of C, presentation of a current resume, and an endorsement of the full-time faculty in the department.

Associate of Science

Associate of Science in Audio Production

Minimum required credits for the program: 25

Required courses: (19 credits)

- MBI 1360 - Introduction to the Music Industry Credits: 3
- MBI 2170 - Introduction to Audio Engineering Credits: 3
- MBI 2180 - Studio Production and Maintenance Credits: 3

- MBI 3220 - Advanced Audio Production Credits: 3
- MUS 1030 - Music Fundamentals Credits: 3
- or*
- MUS 1231 - Music Theory I Credits: 3
- MUS 2410 - Collaborative Creativity in Music Credits: 1
- HIS 3280 - The History of the American Recording Industry Credits: 3
- or*
- MBI 3210 - Music Publishing Credits: 3

Electives: (6 Credits)

Choose 2 of the following:

- MBI 2190 - Radio Production Credits: 3
 - MBI 2175 - Digital Recording Techniques Credits: 3
 - MBI 2170 - Introduction to Audio Engineering Credits: 3
 - MBI 3180 - Live Sound Reinforcement Credits: 3
 - MBI 3170 - Recording and Post-Production Techniques Credits: 3
- It is strongly recommended that students pursuing the A.S. in Audio Production take:
- PHY 2010 - Introduction to Electricity and Electronics Credits: 4

Associate of Science in Music and Self-Promotion

Minimum required credits for the program: 28-29 credits

Required core courses: (22 credits)

- BUS 2015 - Fundamentals of Management in Business Credits: 3
- BUS 2230 - Principles of Marketing Credits: 3
- MBI 1360 - Introduction to the Music Industry Credits: 3
- MBI 2420 - Artist Management and Development Credits: 3
- MBI 3210 - Music Publishing Credits: 3
- MUS 1030 - Music Fundamentals Credits: 3
- MUS 1231 - Music Theory I Credits: 3
- MUS 2410 - Collaborative Creativity in Music Credits: 1

Take two of the following three courses: (6-7 credits)

- MUS 2070 - Basic Songwriting Credits: 3
- MUS 2430 - Advanced Music Theory & Ear Training Credits: 3
- MUS 3055 - Rock and Roll: Form and Style Credits: 4

Associate of Science in Music Industry Management

Minimum required credits for the program: 27-28

Required core courses: (21 credits)

- BUS 2015 - Fundamentals of Management in Business Credits: 3
- BUS 2230 - Principles of Marketing Credits: 3
- HIS 3280 - The History of the American Recording Industry Credits: 3
- MBI 1360 - Introduction to the Music Industry Credits: 3
- MBI 2420 - Artist Management and Development Credits: 3
- MBI 4220 - Entrepreneurship in the Music Industry Credits: 3
- MUS 1030 - Music Fundamentals Credits: 3

Take one of the following two courses: (3 credits)

- MBI 3310 - Event Management and Promotion Credits: 3
OR
- MBI 3330 - Venue Management Credits: 3

Take one of the following three courses: (3-4 credits)

- BUS 2450 - Business Law Credits: 4
OR
- ENG 4020 - Law of the Media Credits: 3
OR
- MBI 3210 - Music Publishing Credits: 3

Bachelor of Science

Bachelor of Science in Music Business and Industry

Minimum required credits for the program: 60-61

Requirements for the program (core plus a concentration)

Core: (38 credits)

- BUS 2015 - Fundamentals of Management in Business Credits: 3
- EJA 1010 - Introduction to Media Communication Credits: 3
- MBI 1360 - Introduction to the Music Industry Credits: 3
- MUS 1030 - Music Fundamentals Credits: 3
OR MUS 1041 Class Piano I, or MUS 1042 Class Piano II, or MUS 2340 Class Instruction in Voice. NOTE: MUS 1030 is the prerequisite for MUS 1231, MUS 2070, and MUS 3055, required in the Music & Self-Promotion Concentration.
- MUS 1041 - Class Piano I Credits: 3
OR
- MUS 1042 - Class Piano II Credits: 3
OR

- MUS 2340 - Class Instruction in Voice Credits: 3
MUS 1030 is the prerequisite for MUS 1231, MUS 2070, and MUS 3055, required in the Music & Self-Promotion Concentration.
- MUS 2410 - Collaborative Creativity in Music Credits: 1
(2 Semesters)
- MBI 3210 - Music Publishing Credits: 3
- BUS 2450 - Business Law Credits: 4
OR ENG 4020 Law of the Media
- ENG 4020 - Law of the Media Credits: 3
- HIS 3280 - The History of the American Recording Industry Credits: 3
- MUS 3330 - Worlds of Music Credits: 3
OR MUS 3350 Music of the Americas
- MUS 3350 - Music of the Americas Credits: 3
- MBI 4220 - Entrepreneurship in the Music Industry Credits: 3
- MBI 4720 - Professional Development Seminar Credits: 3
- MBI 4810 - Music and Performing Arts Internship Credits: 1-6
Note: MBI-4810 Internship - 3 of the 6 required credits for the Radio Operations Concentration must be completed with or through a radio station. Credits / Units: 6

Business Concentration: (19 credits)

- ACC 2121 - Financial Accounting Credits: 4
- BUS 1090 - Business Math Credits: 3
- BUS 1210 - Introduction to Business Software and Information Systems Credits: 3
- BUS 2230 - Principles of Marketing Credits: 3
Choose two of:
- BUS 2080 - Organizational Behavior and Communications in Business Credits: 3
- BUS 3240 - Global Business Credits: 3
- ENG 3080 - Strategic Media Communications Credits: 3
- PHI 1050 - Ethical Practice Credits: 3

Management Concentration: (19 credits)

- ACC 2121 - Financial Accounting Credits: 4
- BUS 1090 - Business Math Credits: 3
- ENG 3080 - Strategic Media Communications Credits: 3
- MBI 2420 - Artist Management and Development Credits: 3
- MBI 3310 - Event Management and Promotion Credits: 3
- MBI 3330 - Venue Management Credits: 3

Music & Self-Promotion Concentration: (21 credits)

- BUS 2230 - Principles of Marketing Credits: 3
- MBI 2420 - Artist Management and Development Credits: 3
- MUS 1231 - Music Theory I Credits: 3
- MUS 2070 - Basic Songwriting Credits: 3
- MUS 2220 - Music Ensembles Credits: 1
(2 Credits Required)

- MUS 2430 - Advanced Music Theory & Ear Training Credits: 3
- MUS 3055 - Rock and Roll: Form and Style Credits: 4

Production Concentration: (22 credits)

Students in this concentration must take MAT-1020 (Intermediate Algebra) as one of their mathematics General Education requirements.

- MBI 1110 - Radio Live Credits: 1
 - MBI 2170 - Introduction to Audio Engineering Credits: 3
 - MBI 2180 - Studio Production and Maintenance Credits: 3
 - MBI 2175 - Digital Recording Techniques Credits: 3
 - MBI 3180 - Live Sound Reinforcement Credits: 3
 - MBI 3170 - Recording and Post-Production Techniques Credits: 3
 - MBI 3220 - Advanced Audio Production Credits: 3
 - MBI 4040 - Auditory Perception and Psychoacoustics Credits: 3
- It is strongly recommended that students pursuing the concentration in Audio Production take:**
- PHY 2010 - Introduction to Electricity and Electronics Credits: 4
- *Topics courses used for this concentration must be in audio engineering.**

Radio Operations (19 credits)

- BUS 2230 - Principles of Marketing Credits: 3
- BUS 3160 - Sales Management and Selling Credits: 3
- ENG 3080 - Strategic Media Communications Credits: 3
- MBI 1110 - Radio Live Credits: 1
- MBI 2190 - Radio Production Credits: 3
- MBI 2192 - Radio Station Operations Credits: 3
- MBI 3310 - Event Management and Promotion Credits: 3

E-Music Composition Concentration

Minimum required credits for concentration: 22

- MUS 1231 - Music Theory I Credits: 3
- MUS 2070 - Basic Songwriting Credits: 3
- MUS 2160 - Introduction to Technology in Music Credits: 3
- MUS 2190 - Electronic Music Composition Credits: 3
- MUS 2430 - Advanced Music Theory & Ear Training Credits: 3
- MUS 3045 - Jazz in Theory and Practice Credits: 3
- MUS 3055 - Rock and Roll: Form and Style Credits: 4

Minor

Music Minor

Minimum required credits for the minor: 18

Requirements for the minor

In addition to the following, must include 3 credits from either MUS-2910/4910 Independent Study or MUS-2710/4710 Topics in Music course; OR 3 credits advanced level Class Instruction such as MUS-1042 – Class Piano II. Also, you must take a total of 3 credits of MUS-2220 (Music Ensembles).

- MUS 1010 - Music Appreciation Credits: 3
- MUS 1030 - Music Fundamentals Credits: 3
- MUS 2220 - Music Ensembles Credits: 1
- MUS 3330 - Worlds of Music Credits: 3

Take one of the following:

- MUS 1041 - Class Piano I Credits: 3
- MUS 2340 - Class Instruction in Voice Credits: 3
- MUS 2341 - Class Guitar I Credits: 3

Theater Minor

Minimum required credits for the minor: 19

Requirements for the Minor in Theater

- THA 1040 - Interpreting Contemporary Dramatic Literature Credits: 3
- THA 1041 - Introduction to Theatre Credits: 3
- THA 2121 - Acting I Credits: 3
- THA 2845 - Theatre Technical Crew Credits: 3

Choice courses: (7 credits)

Take 7 credits from the following, one of which must be THA-2840, Theatre Practicum:

- ENG 3385 - Genre Seminar Credits: 3
- ENG 4240 - Major Author Seminar Credits: 3
- THA 2122 - Acting II Credits: 3
- THA 2840 - Theatre Performance Credits: 3
- THA 3070 - Voices of the American Theatre Credits: 3
- THA 3080 - Founders of Modern Drama Credits: 3
- THA 3211 - Directing I Credits: 3
- THA 4820 - Professional Theatre Internship Credits: 3

Natural Sciences

Ian Balcom, *Assistant Professor* (Chemistry)

Alan Giese, *Associate Professor* (Biology)

Alison S. Lathrop, *Professor* (Geology)

Benjamin Luce, *Associate Professor* (Physics)
Theresa Conant, *Laboratory Technician*

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)

Licensure in Secondary Education (see Secondary Education)

Mission Statement

The 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 Lyndon.

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 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.

Residency Requirement for Science Education Students

Prior to enrolling in Student Teaching, EDU 4850, science education students must fulfill a residency requirement of one year of full-time study within the Department of Natural Sciences. Exceptions may be made for highly qualified candidates.

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 Lyndon application and submit it to the Lyndon Admissions Office. A recommended course of study will be discussed upon meeting with an academic advisor during the registration process. During the course of the academic year, Lyndon sponsors an information session for all pre-nursing students to introduce the process for transfer into a nursing program.

Bachelor of Science

Bachelor of Science in Environmental Science

Minimum required credits for the program: 73 - 75

Requirements for the program

In addition to the following, students majoring in Environmental Science are required to complete MAT 1020 and MAT 1410 for their Mathematics General Education requirement.

Core: (53-54 credits)

- SCI 1000 - First-Year Seminar in Science and Sustainability Credits: 1
- BIO 1211 - Introduction to Biology: Ecology and Evolution Credits: 4
- BIO 1212 - Introduction to Biology: Cells and Genetic Basis Credits: 4
- BIO 4040 - Ecology Credits: 4
- CHE 1031 - General Chemistry I Credits: 4
- CHE 1032 - General Chemistry II Credits: 4
- BIO 3280 - Environmental Toxicology Credits: 4
- GEY 1111 - Introduction to Geology I Credits: 4
- GEY 2112 - Introduction to Geology II Credits: 4
- GEY 3110 - Hydrogeology Credits: 4
- PHY 2031 - Fundamental Physics I Credits: 4
- PHY 2032 - Fundamental Physics II Credits: 4
- SCI 4010 - History of Science Credits: 4
- SCI 4610 - Senior Seminar Credits: 1
- SCI 4810 - Internship in Environmental Science Credits: 3 to 4
- OR
- SCI 4900 - Research in Science Credits: 1 to 3
Students must complete at least 4 credits of SCI 4900 with a maximum of 3 credits per term.

Take two courses from the following list (4-5 credits):

- ENV 3140 - OSHA Safety Course Credits: 2
- ENV 3070 - Environmental Site Assessment Credits: 2
- GIS 1050 - Introduction to Fundamentals of Geographic Information Systems (GIS) and Global Positioning Systems (GPS) Credits: 3

Additional Courses: (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.

Recommended Courses for Specialization in Environmental Pollution and Physical Environmental Monitoring

- ATM 1211 - Survey of Meteorology I Credits: 3
- ATM 1211L - Survey of Meteorology I Lab Credits: 1
- ATM 1212 - Survey of Meteorology II Credits: 2
- ATM 1212L - Survey of Meteorology II Lab Credits: 1
- BIO 4050 - Watershed Ecology Credits: 4
- BIO 4080 - Introduction to Plant Pathology and Pest Management Credits: 4
- BIO 4320 - Sustainable Food Systems I Credits: 4
- BIO 4330 - Sustainable Food Systems II Credits: 4
- CHE 3050 - Environmental Chemistry Credits: 4
- CHE 3111 - Organic Chemistry I Credits: 4
- CHE 3112 - Organic Chemistry II Credits: 4
- ENV 2040 - Introduction to Environmental Restoration Credits: 4
- ENV 2060 - Energy, Environment, and Society Credits: 4
- ENV 3110 - Environmental Pollution Credits: 4
- ENV 3180 - Ecology & Landscape History of the Green Mountains Credits: 4
- GEY 3035 - Aqueous Geochemistry Credits: 4
- GEY 3040 - Mineral Resources Credits: 4
- GEY 3110 - Hydrogeology Credits: 4
- GEY 4820 - Geologic Evolution: Grand Canyon to Mt. Whitney -- Seminar Credits: 2
- GEY 4830 - Geologic Evolution: Grand Canyon to Mt. Whitney - Expedition Credits: 2
- GEY 4840 - Geologic Evolution: Grand Canyon to Mt. Whitney -- Intensive Credits: 4

Recommended Courses for Specializing in Conservation/Biodiversity/Environmental Assessment:

- BIO 3020 - Field Zoology Credits: 4
- BIO 3120 - Principles of Ornithology Credits: 4
- BIO 3140 - Introduction to Microbiology Credits: 4
- BIO 3220 - Genetics Credits: 4
- BIO 3330 - Field Botany and Dendrology Credits: 4
- BIO 3340 - Advanced Systematic Botany Credits: 4
- BIO 4050 - Watershed Ecology Credits: 4

- BIO 4080 - Introduction to Plant Pathology and Pest Management Credits: 4
- BIO 4210 - Wildlife Biology and Management Credits: 4
- BIO 4320 - Sustainable Food Systems I Credits: 4
- BIO 4330 - Sustainable Food Systems II Credits: 4
- BIO 4720 - Seminar in Conservation Biology Credits: 4
- CHE 3010 - Biochemistry Credits: 4
- ENV 2040 - Introduction to Environmental Restoration Credits: 4
- ENV 2060 - Energy, Environment, and Society Credits: 4
- ENV 3180 - Ecology & Landscape History of the Green Mountains Credits: 4
- GEY 3040 - Mineral Resources Credits: 4
- GEY 3110 - Hydrogeology Credits: 4
- GEY 4820 - Geologic Evolution: Grand Canyon to Mt. Whitney -- Seminar Credits: 2
- GEY 4830 - Geologic Evolution: Grand Canyon to Mt. Whitney - Expedition Credits: 2
- GEY 4840 - Geologic Evolution: Grand Canyon to Mt. Whitney -- Intensive Credits: 4

Bachelor of Science in Natural Science

Minimum required credits for the program: 66

Requirements for the program

Students majoring in Natural Science are required to take MAT1020 and MAT1410 for their Mathematics General Education requirement.

Core: (38 credits)

- SCI 1000 - First-Year Seminar in Science and Sustainability Credits: 1
- BIO 1211 - Introduction to Biology: Ecology and Evolution Credits: 4
- BIO 1212 - Introduction to Biology: Cells and Genetic Basis Credits: 4
- CHE 1031 - General Chemistry I Credits: 4
- CHE 1032 - General Chemistry II Credits: 4
- GEY 1111 - Introduction to Geology I Credits: 4
- GEY 2112 - Introduction to Geology II Credits: 4
- PHY 2031 - Fundamental Physics I Credits: 4
- PHY 2032 - Fundamental Physics II Credits: 4
- SCI 4610 - Senior Seminar Credits: 1
- SCI 4900 - Research in Science Credits: 1 to 3
Students must complete at least 4 credits of SCI 4900 with a maximum of 3 credits per term.

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.

Bachelor of Science in Sustainability Studies

Minimum required credits for the program: 66

Requirements for the program

Students majoring in Sustainability Studies are required to take MAT 1060 and MAT 2021 for their Mathematics General Education requirements. Students are strongly advised to complete a minor of their choice.

Core: (47 credits)

- SCI 1000 - First-Year Seminar in Science and Sustainability Credits: 1
- BIO 1211 - Introduction to Biology: Ecology and Evolution Credits: 4
- CHE 2020 - Introduction to Environmental Chemistry Credits: 4
- PHY 2025 - Physics for the Environment Credits: 4
- ENV 2090 - Sustainable Living Credits: 3
- ENV 2040 - Introduction to Environmental Restoration Credits: 4
- ENV 2060 - Energy, Environment, and Society Credits: 4
- GEY 1111 - Introduction to Geology I Credits: 4
- GEY 2112 - Introduction to Geology II Credits: 4
- BIO 4330 - Sustainable Food Systems II Credits: 4
- SCI 4610 - Senior Seminar Credits: 1
- PHI 2050 - Nature, Science, and Technology Credits: 3
- GIS 1050 - Introduction to Fundamentals of Geographic Information Systems (GIS) and Global Positioning Systems (GPS) Credits: 3
- SCI 4810 - Internship in Environmental Science Credits: 3 to 4
OR
- SCI 4900 - Research in Science Credits: 1 to 3
Students must complete at least 4 credits of SCI 4900 with a maximum of 3 credits per term.

Choose at least 19 credits from the following courses:

Only one trip will count for program credit.

- PHY 2010 - Introduction to Electricity and Electronics Credits: 4
- PHY 2031 - Fundamental Physics I Credits: 4
OR
- PHY 2061 - Classic Physics I Credits: 4
- BIO 4720 - Seminar in Conservation Biology Credits: 4
- BIO 3330 - Field Botany and Dendrology Credits: 4
- BIO 4040 - Ecology Credits: 4
- ENV 3180 - Ecology & Landscape History of the Green Mountains Credits: 4
- CHE 1023 - Outline of General Chemistry Credits: 4
- BIO 3280 - Environmental Toxicology Credits: 4
- BIO 4320 - Sustainable Food Systems I Credits: 4
- SCI 4110 - History of Agriculture Credits: 4
- GEY 3040 - Mineral Resources Credits: 4
- GEY 4820 - Geologic Evolution: Grand Canyon to Mt. Whitney -- Seminar Credits: 2

- GEY 4830 - Geologic Evolution: Grand Canyon to Mt. Whitney - Expedition Credits: 2
- GEY 4840 - Geologic Evolution: Grand Canyon to Mt. Whitney -- Intensive Credits: 4
- BIO 4050 - Watershed Ecology Credits: 4
- GEY 3110 - Hydrogeology Credits: 4
- POS 1010 - Introduction to Political Science Credits: 3

Minor

Biology Minor

Minimum required credits for the minor: 20

Requirements for the minor

- Two 2000-level courses Credits: 8
- Three 3000 or 4000-level courses Credits: 12

Environmental Chemistry Minor

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 1031 - General Chemistry I Credits: 4
- CHE 1032 - General Chemistry II Credits: 4
- CHE 3111 - Organic Chemistry I Credits: 4
- CHE 3112 - Organic Chemistry II Credits: 4

Geology Minor

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 Credits: 4
- GEY 2112 - Introduction to Geology II Credits: 4

Physics Minor - Calculus-Based Track

Minimum required credits for the minor: 20

Requirements for the minor

- PHY 2010 - Introduction to Electricity and Electronics Credits: 4
OR
- PHY 2030 - The Universe Credits: 4
OR
- ATM 3140 - Physical Meteorology Credits: 3
- PHY 2061 - Classic Physics I Credits: 4
- PHY 2062 - Classic Physics II Credits: 4
- PHY 2063 - Classic Physics III Credits: 4
- PHY 3120 - Modern Physics Credits: 4

Physics Minor - Non-Calculus Track

Minimum required credits for the minor: 20

Requirements for minor

- PHY 2010 - Introduction to Electricity and Electronics Credits: 4
- PHY 2030 - The Universe Credits: 4
- PHY 2031 - Fundamental Physics I Credits: 4
- PHY 2032 - Fundamental Physics II Credits: 4
- PHY 4110 - Physics Modules Credits: 1 to 4

Other Degrees

Pre-Health Professional Curricula

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 Credits: 4
- BIO 1212 - Introduction to Biology: Cells and Genetic Basis Credits: 4
- CHE 1031 - General Chemistry I Credits: 4
- CHE 1032 - General Chemistry II Credits: 4
- CHE 3111 - Organic Chemistry I Credits: 4
- CHE 3112 - Organic Chemistry II Credits: 4
- PHY 2031 - Fundamental Physics I Credits: 4
- PHY 2032 - Fundamental Physics II Credits: 4
- PHY 2061 - Classic Physics I Credits: 4
- PHY 2062 - Classic Physics II Credits: 4
- PHY 2063 - Classic Physics III Credits: 4

Psychology and Human Services

Rhonda Korol, *Professor*

Margaret Sherrer, *Associate Professor*

Patricia Shine, *Associate Professor*

Meri Stiles, *Associate 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 Psychology and Human Services Department, we provide students with the coursework and practical field experience that prepares graduates for entry-level human service and psychology positions and 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 Psychology Graduate School. 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:

- demonstrate an understanding of and be able to articulate the research principles, concepts, and theories of psychology and human services
- research, synthesize, and apply theory and practice in psychology and human services

- acquire skills and behavior necessary for obtaining employment and succeeding in the professional world
- demonstrate knowledge of and adhere to the ethical and legal standards of the fields of psychology and human services

Program Assessment

The 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.

Associate of Science

Associate of Science in Human Services

Minimum required credits for the program: 27

Core: (21 credits)

- PSY 1010 - Introduction to Psychology Credits: 3
Advised Term 1st Year
- PSY 1040 - Human Interaction Credits: 3
Advised Term 1st Year
- PSY 1050 - Human Growth and Development Credits: 3
Advised Term 1st Year
- PSY 2270 - Introduction to Human Services Credits: 3
Advised Term 2nd Year
- PSY 2411 - Introduction to Research Methods Credits: 3
Advised Term 2nd Year
- PSY 2811 - Field Work Credits: 3
Advised Term 2nd Year
- PSY 2812 - Field Work Seminar Credits: 3
Advised Term 2nd Year

Take 6 Credits From:

- PSY 1130 - Introduction to Substance Abuse Credits: 3
- PSY 2120 - Human Sexuality Credits: 3
- PSY 3050 - Child Development Credits: 3
- PSY 3070 - Abnormal Psychology Credits: 3
- PSY 3080 - Macro Perspectives in Human Services Credits: 3
- PSY 3090 - Lifespan Across Cultures Credits: 3
- PSY 3110 - Aging and Older Adulthood Credits: 3
- PSY 3210 - Perspectives on Death and Dying Credits: 3

- PSY 3260 - Adolescent Development Credits: 3
- PSY 4145 - Responding to Psychological Trauma Credits: 3
- PSY 4150 - Understanding and Working with At-Risk Families Credits: 3
- PSY 4170 - Developmental Psychopathology Credits: 3
- PSY 4180 - Exploring Race & Challenging Racism in the US Credits: 3
- PSY 4215 - Substance-Abuse Treatment Credits: 3

Bachelor of Science

Bachelor of Science in Applied Psychology and Human Services

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 Credits: 3
Advised Term - 1st Year
- PSY 1040 - Human Interaction Credits: 3
Advised Term - 1st Year
- PSY 1050 - Human Growth and Development Credits: 3
Advised Term - 1st Year
- PSY 2270 - Introduction to Human Services Credits: 3
Advised Term 2nd Year
- PSY 2411 - Introduction to Research Methods Credits: 3
Advised Term 2nd Year
- PSY 2811 - Field Work Credits: 3
Advised Term - 2nd Year
- PSY 2812 - Field Work Seminar Credits: 3
Advised Term - 2nd Year
- PSY 3050 - Child Development Credits: 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 Credits: 3
Advised Term 2nd or 3rd Year
- PSY 3080 - Macro Perspectives in Human Services Credits: 3
Advised Term 3rd Year
- PSY 4151 - Counseling Credits: 3
Advised Term 3rd Year
- PSY 4720 - Senior Seminar Credits: 3
Advised Term - 4th Year
- PSY 4820 - Internship Credits: 6 to 9
Six credits, taken in the same semester, are required for graduation.
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.

Psychology Graduate School

MAT 2021 Introduction to Statistics

PSY 4010 Biopsychology

PSY 4020 Psychological Testing

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 Mental Health Issues with Children and Adolescents

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.

Minor

Human Services Minor

(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 Credits: 3
- PSY 1050 - Human Growth and Development Credits: 3
- PSY 2270 - Introduction to Human Services Credits: 3
- PSY 3070 - Abnormal Psychology Credits: 3
- PSY 4151 - Counseling Credits: 3

Psychology Minor

(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 1040, 2811, 2812, 4820, 4921, 4922, and 4720)
- PSY 1010 - Introduction to Psychology Credits: 3
- PSY 1050 - Human Growth and Development Credits: 3

Secondary Education

Secondary Education Faculty in Related Areas:

Ernest Broadwater, *Professor (Education)*

Alan Giese, *Assistant Professor (Natural Science)*

Daisy McCoy, *Professor (Mathematics)*

Linda Metzke, *Professor, (Education)*

Elaine Razzano, *Professor (English)*

Paul Searls, *Associate Professor (Social Sciences)*

Licensure in Secondary Education

-English

-Mathematics

-Natural Science

-Social Science

Program Mission Statement

The secondary education program is designed to provide students majoring in English, mathematics, science or social science the requisite preparation to be eligible for licensure to teach their content area in grades seven through twelve. The program involves one faculty member from each of the content areas and two members from the Education Department who teach courses specifically for students in the Secondary Education Program.

Program Goals

For students seeking licensure in secondary education, there are four primary goals in the program:

- to obtain the content background appropriate for teaching a content area in grades 7-12
- to explore and model within the content courses a broad range of teaching techniques that would be appropriate in the secondary classroom
- to fulfill all the competencies, both general and content-specific, as required by the Vermont State Department of Education
- to develop a prospective teacher's certification portfolio that demonstrates attainment of all the licensure competencies

Application to the Secondary Education Program

Application to the secondary education program is done in EDU-2025 Introduction to Secondary Education, typically the first course that licensure students take. To remain eligible, a student must:

1. major in one of the four content areas: English, mathematics, science, or social science;
2. have successfully completed EDU-2025 Introduction to Secondary Education;
3. have passed Praxis I or its equivalent;
4. have achieved a minimum GPA of 2.4 by the end of the candidate's third semester, with a GPA of 2.63 after sixty credits (this GPA must be raised to 3.0 prior to student teaching).

Licensure Criteria

Lyndon State College has been approved by the Vermont State Board of Education to prepare students for secondary school licensure in the following areas: English, Mathematics, Science, and Social Studies. Graduates who are recommended by the college must apply to the State Department of Education for their teaching license. In order to be recommended for a license to teach secondary school in Vermont (or in the many states that accept Vermont's license), students must successfully complete the following components of the Secondary Education Program:

1. The degree program, with the appropriate concentration if necessary, in their chosen field (English, Mathematics, Natural Science or Social Science);
2. Secondary Education Licensure courses, along with any additional courses required for their chosen field (see course lists below);
3. Student Teaching. Student teaching is the summative experience of the program. Before student teaching, students must have completed at least sixty hours of supervised classroom observation; have completed all other course work in both the degree and licensure programs; and have demonstrated academic competence, as attested either by a 3.0 average (cumulatively and in the degree and in the licensure programs) or, in extraordinary circumstances, by written certification of the Academic Dean. To qualify for student teaching, students must also have permission of the secondary education coordinator in their field. Students applying for Student Teaching must have applied for a criminal background check and successfully complete Praxis I and Praxis II by the middle of the semester prior to student teaching
4. The Level I Teaching Licensure Portfolio (The portfolio will be completed in accordance with the guidelines of the Vermont State Department of Education and the Lyndon Secondary Education Program; upon completion of the Secondary Education Program, the student will submit his or her portfolio for review by the Secondary Education Portfolio Review Panel and will participate in an interview with the panel. The panel must approve the portfolio for the student to be recommended for licensure.)
5. Have a minimum ranking of "Satisfactory" on the Professional Attributes and Dispositions Assessment.
6. Comply with current State of Vermont regulations regarding skills testing for licensure, including passing the Praxis II in endorsement areas; and
7. Receive a grade of "B" or better in student teaching and receive a positive recommendation from the college supervisor and the cooperating field teacher.

Learning Outcomes

The Secondary Education Program's learning outcomes are outlined in *Regulations Governing the Licensing of Educators and the Preparation of Educational Professionals* general competencies 5235.1 through 5235.16 and endorsement competencies in section 5440.

Through the successful completion of the Level I Teaching Licensure Portfolio, students completing the Secondary Education Program will:

1. demonstrate proficiency in meeting the Five Standards and Sixteen Principles for beginning educators identified by the Vermont Department of Education;
2. demonstrate mastery of the endorsement competencies in the area(s) for which she/he is seeking an endorsement;
3. successfully plan, implement, and assess several weeks worth of instruction in an actual secondary class in the area(s) for which she/he is seeking an endorsement; and
4. demonstrate a commitment to and appropriate disposition towards a career in education through behavior such as attendance, preparedness, active participation, and other behaviors expected of a secondary teacher.

Program Assessment

Secondary Education is an outcomes-based program. A student must document successful completion of learning outcomes through his/her Level I Teaching Licensure Portfolio in order to be eligible for recommendation for a secondary education license. This portfolio contains documentation of all the learning outcomes required by the Vermont Department of Education. Upon completion of all requirements for licensure, the portfolio review panel conducts a formal interview of the candidate. Only after successful completion of this portfolio review is the candidate recommended for licensure.

The Program assesses itself by three surveys: students who have completed the program; classroom teachers who have served as cooperating teachers in the preceding year; and employers of recent graduates.

Finally, the program is assessed by the Vermont State Department of Education's Results Oriented Program Approval process, which includes a site visit by a team who interviews students and reviews the program's institutional portfolio and samples of student portfolios.

Licensure

Secondary Education

Secondary Education Licensure Courses

Psychology and Education Core Courses: (34 credits)

- EDU 2025 - Introduction to Secondary Education Credits: 3
Advised Term 2nd Year
- EDU 3020 - Educational Psychology Credits: 3
Advised Term 2nd Year
- EDU 3070 - Secondary School Observation Credits: 1
Advised Term 3rd Year
- EDU 3150 - Secondary Teaching Process Credits: 3
Advised Term 3rd Year

- EDU 3240 - Literacy Development in the Content Area Credits: 3
Advised Term 4th Year
- PSY 3260 - Adolescent Development Credits: 3
Advised Term 2nd Year

Secondary Methods Courses:

- EDU 4020 - Methods for Teaching Secondary English Credits: 3
OR
- EDU 4025 - Methods of Teaching Secondary Mathematics Credits: 3
OR
- EDU 4030 - Methods for Teaching Secondary Social Studies Credits: 3
OR
- EDU 4040 - Methods in Teaching Secondary Science Credits: 3
Advised Term 4th Year
- EDU 4050 - Teaching Students with Special Needs: Middle and Secondary Students Credits: 3
Advised Term 4th Year
- EDU 4850 - Secondary Student Teaching Credits: 7 to 12
Advised Term 4th Year

Content-Area Specific Courses

English:

English Literature and Cultural Studies concentration, including:

- ENG 2540 - Global English: Forms, Roles & Issues Credits: 3
- ENG 3540 - Writing for Teachers Credits: 3

Mathematics:

Mathematics program, including:

- MAT 3010 - History of Mathematics Credits: 3
- MAT 4130 - Abstract Algebra Credits: 3
- MAT 4140 - Geometry Credits: 3

Natural Science:

Natural Science concentration, including:

- SCI 4010 - History of Science Credits: 4

Social Studies:

Social Science concentration, including at least two courses at the 3000 or 4000 level in American History or American Government.

Social Science

Janet Bennion, *Professor*

Paul Searls, *Associate Professor*

Alexandre Strokanov, *Professor*

Brandon Stroup, *Assistant Professor*

Bachelor of Science in Criminal Justice

Bachelor of Arts in Social Science

-Social Science Concentration

-Global Studies Concentration

-History Concentration

-Anthropology/Sociology Concentration

Licensure in Secondary Social Studies Education (see: Secondary Education)

Minors: Anthropology/Sociology, Criminal Justice, History, Political Science, 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 SSC3020 Research Design and Analysis, theoretically enhanced during SSC4740 Social Science Seminar, and completed in SSC4720 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 LSC 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 to 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 LSC Graduate Standards Exam for Oral Presentation.

Bachelor of Arts in Social Science

- Anthropology/Sociology Concentration
- History Concentration
- Global Studies Concentration
- Social Science Concentration

Licensure in Secondary Social Studies Education (See: Secondary Education)

Mission Statement

The Social Science 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 college'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 Social Science—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 Social Science 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. The department offers concentrations in the major in history, anthropology/sociology, and global studies.

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 Social Science 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 Social Science 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.

Bachelor of Arts

Bachelor of Arts in Social Science

Minimum required credits for the program: 45-46

Requirements for the program (foundations, capstone, and a concentration)

Foundations of Social Science: (18-19 credits)

* For Licensure in Social Studies Secondary Education, complete the Social Science program, taking the asterisked courses plus two courses at the 3000 or 4000 level in American History or American Government for upper level courses.

Choose 6 courses from the following:

- ANT 1030 - Introduction to Anthropology Credits: 3
Advised Term 1st/2nd Year
- ECO 2060 - Survey of Economics Credits: 4
Advised Term 1st/2nd Year
- GEO 1010 - Introduction to Geography Credits: 3
(see note above *) Advised Term 1st/2nd Year
- HIS 1011 - Western Civilization I Credits: 3
(see note above *) Advised Term 1st/2nd Year
- HIS 1020 - Comparative Civilization Credits: 3
Advised Term 1st/2nd Year
- HIS 1211 - American History I Credits: 3
(see note above *) Advised Term 1st/2nd Year
- HIS 1212 - American History II Credits: 3
(see note above *) Advised Term 1st/2nd Year
- POS 1010 - Introduction to Political Science Credits: 3
(see note above *) Advised Term 1st/2nd Year
- POS 1030 - Comparative Government Credits: 3
Advised Term 1st/2nd Year
- SOC 1010 - Introduction to Sociology Credits: 3
Advised Term 1st/2nd Year

Capstone Core: (9 credits)

- SSC 3020 - Research Design and Analysis Credits: 3
Advised Term 3rd Year
- SSC 4720 - Senior Thesis/Capstone Credits: 3
Advised Term 4th Year
- SSC 4740 - Social Science Seminar Credits: 3
Advised Term 3rd Year

Concentration in Social Science (18 credits)

Six additional courses from the department. At least four courses at the 3000-4000 level. No more than six credits of the fieldwork courses (ANT 3820, SSC 2020 and SSC 3820) may be counted toward the degree.

Advised Term 3rd/4th 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 Credits: 3
- ANT 3030 - Comparative Cultures Credits: 3
- ANT 3050 - Culture, Ecology, and Health Credits: 3

- ANT 3060 - Ethnocuisine Credits: 3
- ANT 3310 - Myth, Magic & Religion Credits: 3
- ANT 3820 - Anthropology Fieldwork Credits: 1 to 6
- BUS 3240 - Global Business Credits: 3
- HIS 2240 - Survey of Eurasia Credits: 3
- RUS 2010 - Mystery of Russian Soul and Culture Credits: 3
- HIS 3056 - Race in America Credits: 3
- HIS 3445 - History of Soviet/Russian Cinema and TV Credits: 3
- HIS 3310 - 18th and 19th Centuries Europe Credits: 3
- HIS 3330 - Europe since 1914 Credits: 3
- HIS 3440 - Modern Russia Credits: 3
- HIS 3530 - Modern East and Southeast Asia Credits: 3
- HIS 3540 - Modern South Asia Credits: 3
- HIS 3550 - The Islamic World Credits: 3
- POS 2040 - International Relations Credits: 3
- POS 3430 - Government and Politics in Russia and Post-Soviet States Credits: 3
- POS 3210 - Canadian Politics Credits: 3
- POS 3260 - Middle East Politics and Government Credits: 3
- POS 3310 - Latin American Politics Credits: 3
- PSY 3090 - Lifespan Across Cultures Credits: 3
- SOC 3050 - Gender and Society Credits: 3
- SSC 2020 - Experience the World Credits: 1
- SSC 3820 - Global Studies Fieldwork Credits: 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 Credits: 3
- RUS 2010 - Mystery of Russian Soul and Culture Credits: 3
- HIS 2710 - Topics in History Credits: 1 to 3
- HIS 2910 - Independent Study in History Credits: 1 to 3
- HIS 3056 - Race in America Credits: 3
- HIS 3110 - Ante-Bellum America Credits: 3
- HIS 3155 - Sports in American History Credits: 3
- HIS 3165 - Vermont History Credits: 3
- HIS 3445 - History of Soviet/Russian Cinema and TV Credits: 3
- HIS 3310 - 18th and 19th Centuries Europe Credits: 3
- HIS 3330 - Europe since 1914 Credits: 3
- HIS 3440 - Modern Russia Credits: 3
- HIS 3530 - Modern East and Southeast Asia Credits: 3
- HIS 3540 - Modern South Asia Credits: 3
- HIS 3550 - The Islamic World Credits: 3
- HIS 4710 - Topics in History Credits: 1 to 3
- HIS 4810 - Internship in History Credits: 1 to 6
- HIS 4910 - Independent Study in History Credits: 1 to 3

Concentration in Anthropology/Sociology

Minimum required credits in concentration: 18

At least 12 credits must be at the 3000-4000 level.

Select 15 credits from the following:

- ANT 3010 - Native Societies of America Credits: 3
 - ANT 3030 - Comparative Cultures Credits: 3
 - ANT 3050 - Culture, Ecology, and Health Credits: 3
 - ANT 3060 - Ethnocuisine Credits: 3
 - ANT 3310 - Myth, Magic & Religion Credits: 3
 - ANT 3820 - Anthropology Fieldwork Credits: 1 to 6
 - ANT 4710 - Topics in Anthropology Credits: 1 to 3
 - SOC 2220 - The Family in Society Credits: 3
 - SOC 2710 - Topics in Sociology Credits: 1 to 3
 - SOC 3050 - Gender and Society Credits: 3
 - SOC 4810 - Internship in Sociology Credits: 1 to 6
- Select 3 credits from the following:
- PSY 3090 - Lifespan Across Cultures Credits: 3
 - BUS 3240 - Global Business Credits: 3
 - CRJ 2050 - Criminology Credits: 3
 - POS 3210 - Canadian Politics Credits: 3
 - POS 3260 - Middle East Politics and Government Credits: 3
 - POS 3310 - Latin American Politics Credits: 3
 - HIS 2240 - Survey of Eurasia Credits: 3
 - HIS 3440 - Modern Russia Credits: 3
 - HIS 3530 - Modern East and Southeast Asia Credits: 3
 - HIS 3550 - The Islamic World Credits: 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.

Bachelor of Science

Bachelor of Science in Criminal Justice

Minimum required credits for the program: 48

Foundations of Criminal Justice

9 Credits

- SOC 1010 - Introduction to Sociology Credits: 3
- PSY 1010 - Introduction to Psychology Credits: 3
- CRJ 1010 - Introduction to Criminal Justice Credits: 3

Advanced Core

27 Credits

- CRJ 2010 - Law Enforcement in America Credits: 3
- CRJ 2020 - American Judicial Process Credits: 3
- CRJ 2050 - Criminology Credits: 3
- CRJ 2510 - Criminal Law Credits: 3
- CRJ 3210 - Punishment and Corrections Credits: 3
- SSC 3020 - Research Design and Analysis Credits: 3
- SSC 4720 - Senior Thesis/Capstone Credits: 3
- CRJ 4810 - Criminal Justice Internship Credits: 1-6

- CRJ 2170 - Ethics and Professionalism in Criminal Justice Credits: 3

Electives

Choose 12 credits from:

- CRJ 3120 - White-Collar Crime Credits: 3
- CRJ 3160 - Juvenile Justice Credits: 3
- CRJ 3220 - International Criminal Justice Credits: 3
- CRJ 4110 - Issues in Criminal Justice Credits: 3
- CRJ 4710 - Special Topics in Criminal Justice Credits: 3
- POS 1020 - American Politics and Government Credits: 3
- POS 3170 - U.S. Constitutional Law Credits: 3
- PSY 3070 - Abnormal Psychology Credits: 3
- PSY 4170 - Developmental Psychopathology Credits: 3
- HIS 3056 - Race in America Credits: 3
OR PSY 4180 Exploring Race & Challenging Racism in the US
- PSY 4180 - Exploring Race & Challenging Racism in the US Credits: 3
- PSY 1130 - Introduction to Substance Abuse Credits: 3

Minor

Anthropology/Sociology Minor

Minimum required for the minor: 18

Requirements for the minor

- ANT 1030 - Introduction to Anthropology Credits: 3
- SOC 1010 - Introduction to Sociology Credits: 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 Minor

Minimum required credits for the minor: 18

Requirements for the minor

- CRJ 1010 - Introduction to Criminal Justice Credits: 3
- CRJ 2010 - Law Enforcement in America Credits: 3
- SOC 1010 - Introduction to Sociology Credits: 3

Electives: Choose 3 courses for a total of 9 credits

- CRJ 3210 - Punishment and Corrections Credits: 3
- CRJ 4710 - Special Topics in Criminal Justice Credits: 3
- CRJ 4810 - Criminal Justice Internship Credits: 1-6
Only 3 credits may count toward the program
- HIS 3056 - Race in America Credits: 3
- PSY 1130 - Introduction to Substance Abuse Credits: 3
OR
- PSY 3070 - Abnormal Psychology Credits: 3

History Minor

Minimum required credits for the minor: 18

Requirements for the minor

Choose at Least Two Courses From: (6 credits)

- HIS 1011 - Western Civilization I Credits: 3
- HIS 1020 - Comparative Civilization Credits: 3
- HIS 1211 - American History I Credits: 3
- HIS 1212 - American History II Credits: 3

Additional Courses: (12 credits)

Four additional courses in history, at least three at the 3000-4000 level

Political Science Minor

Minimum required credits for the program: 18

Requirements for the minor

- POS 1010 - Introduction to Political Science Credits: 3
- POS 1020 - American Politics and Government Credits: 3
- POS 1030 - Comparative Government Credits: 3
- OR
- POS 2040 - International Relations Credits: 3

Additional Courses: 9 credits

Three additional courses in political science at the 3000-4000 level.

Russian and Eurasian Studies Minor

Minimum required credits for minor: 19

Russian Language Study

Minimum 3 credits required in Russian language earned through coursework or course challenge

- RUS 1011 - Russian I Credits: 3
- RUS 1012 - Russian II Credits: 3

Russian and Eurasian Studies Courses

13-16 credits required from courses with Russian and Eurasian studies content, at least one (1) credit of which must be a travel course to Russia or other post-Soviet states. At least nine (9) credits must be earned at the 3000-4000 levels.

- FLL 1010 - Immersion Experience Credits: .5 to 6
- FLL 2710 - Topics in Foreign Language Credits: 3
- FLL 2810 - Co-op in Foreign Language Credits: 1 to 6
- FLL 2910 - Independent Study in Foreign Language Credits: 3
- GEO 2910 - Independent Study in Geography Credits: 1 to 3
- HIS 2240 - Survey of Eurasia Credits: 3
- RUS 2010 - Mystery of Russian Soul and Culture Credits: 3
- HIS 3440 - Modern Russia Credits: 3
- HIS 3445 - History of Soviet/Russian Cinema and TV Credits: 3
- HIS 3330 - Europe since 1914 Credits: 3

OR

- HIS 3550 - The Islamic World Credits: 3
- HIS 4710 - Topics in History Credits: 1 to 3
- POS 3430 - Government and Politics in Russia and Post-Soviet States Credits: 3
- POS 4710 - Topics in Political Science Credits: 1 to 3
- SSC 3820 - Global Studies Fieldwork Credits: 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 6 credits may be counted for the minor.

Visual Arts

Kelly Glentz Brush, *Associate Professor*

Harry Mueller, *Associate Professor*

Philip Parisi, *Assistant Professor*

Barclay Tucker, *Professor*

Bachelor of Arts **in** Cinema Production

Bachelor of Arts **in** Visual Communications

Bachelor of Fine Arts **in** Animation/Illustration

Bachelor of Fine Arts **in** Graphic Design

Associate of Science **in** Visual Arts

Associate of Science **in** Visual Communications

Minors: Visual Arts, Photography, Cinema Production

Mission Statement

A spirited and engaging environment, the Lyndon State College 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 and the B.F.A. in Graphic Design are required to complete DES 2950 Design Review. When a student completes Design Review with a passing grade, the student is granted formal acceptance into the B.F.A. major. The B.A. in Cinema Production and the B.A. in Visual Communications do not require formal acceptance into the major.

Student Learning Outcomes:

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

Bachelor of Arts in Cinema Production - Students will demonstrate

- a proficiency in the skills and techniques of digital filmmaking
- an advanced 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 Visual Communications - Students will demonstrate:

- an ability to work collaboratively and/or independently in solving advanced problems in visual communications
- an advanced understanding of general aesthetic principles in the context of visual communications
- a proficiency in the use of appropriate creative tools for specific visual communications projects

Bachelor of Fine Arts in Animation/Illustration - Students will demonstrate:

- an ability to work collaboratively and/or independently in solving advanced problems in animation and/or illustration
- an 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 ability to create effective, professional-level graphic design projects
- a proficiency in the use of appropriate creative tools for specific graphic design projects

Assessment of Student Learning Outcomes

The 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, Senior Thesis and Design Studio
- senior portfolio presentations in DES 4950
- final project evaluations in DES 1045 and VID 3060

Associate of Science

Associate of Science in Visual Arts

Minimum required credits for the program: 27

Foundation Courses: (6 credits)

- ART 1011 - Drawing I Credits: 3
- ART 1015 - Art Foundations Credits: 3

Studio Courses: (15 credits)

Choose five courses from the following - at least two courses must be at the 3000 level:

- ARH 3090 - Historical Themes in the Visual Arts Credits: 3
- ART 1410 - Digital Photography Credits: 3
- ART 2030 - Decorative Arts Credits: 3
- ART 2115 - Digital Arts Credits: 3
- ART 2012 - Drawing II Credits: 3
- ART 2121 - Calligraphy I Credits: 3
- ART 2241 - Painting I Credits: 3

- ART 2251 - Sculpture I Credits: 3
- ART 3031 - Life Drawing Credits: 3
- ART 3050 - Painting II Credits: 3
- ART 3210 - Puppetry Credits: 3
- ART 3060 - Book Arts Credits: 3

Art History Courses: (6 credits)

- ARH 2011 - Survey of Western Art I Credits: 3
- ARH 2012 - Survey of Western Art II Credits: 3

Associate of Science in Visual Communication

Minimum required credits for the program: 27

Foundation Courses: (18 credits)

- DES 1020 - Design Credits: 2
- DES 1025 - Image Manipulation Credits: 2
- ART 2020 - Color Theory Credits: 2
- DES 1035 - Digital Illustration Credits: 2
- DES 1015 - Typography Credits: 3
- DES 1045 - Page Layout Credits: 3
- DES 2015 - Web Design I Credits: 4

Media Communications Course: (3 credits)

- EJA 1010 - Introduction to Media Communication Credits: 3

Choice Courses: (6 credits)

Choose two courses from the following:

- ART 1011 - Drawing I Credits: 3
- ART 2301 - Photography I Credits: 3
- ARH 2011 - Survey of Western Art I Credits: 3
- ARH 2012 - Survey of Western Art II Credits: 3
- ARH 3090 - Historical Themes in the Visual Arts Credits: 3
- BUS 2230 - Principles of Marketing Credits: 3
- ENG 2040 - Journalistic Writing Credits: 3
- ENG 2155 - Introduction to Multimedia Storytelling Credits: 3

Bachelor of Arts

Bachelor of Arts in Cinema Production

Minimum required credits for program - 48

Foundation Courses (15 credits)

- FLM 1055 - Film Analysis and Appreciation Credits: 3
- FLM 2010 - History of Cinema Credits: 3
- FLM 3010 - Auteur Filmmakers Seminar Credits: 3
- OR
- FLM 3610 - Film Studies Seminar Credits: 3
- FLM 4010 - Theory of Cinema Credits: 3
- THA 1041 - Introduction to Theatre Credits: 3

Video Production Courses (18 credits)

- VID 1060 - Video Production I Credits: 3
- VID 2060 - Video Production II Credits: 3
- VID 3060 - Advanced Video Credits: 3
- VID 4060 - Video Workshop Credits: 3
(Take twice for a total of six credits)
- FLM 4610 - Senior Thesis Credits: 3
Note: At least three credits of VID 4060 must be taken after FLM 4610.

Choice Courses (15 credits)

Choose one course from each group plus two additional courses from across the three groups below or selected courses with advisor approval:

Image & Sound Group

- ART 2301 - Photography I Credits: 3
- ART 3270 - Advanced Photography Credits: 3
- EJA 1020 - Communications Technology Credits: 3
- EJA 2050 - Digital Image Acquisition Credits: 3
- EJA 2051 - Aesthetics in Editing Credits: 3
- FLM 4810 - Internship in Film Studies Credits: 3
- MBI 2170 - Introduction to Audio Engineering Credits: 3
- MBI 3170 - Recording and Post-Production Techniques Credits: 3

Narrative & Performance Group

- ENG 2155 - Introduction to Multimedia Storytelling Credits: 3
- ENG 3110 - Creative Writing Workshop Credits: 3
- ENG 3145 - Writing Narrative: Form and Theory Credits: 3
- THA 2121 - Acting I Credits: 3
- THA 3211 - Directing I Credits: 3

Theory & Criticism Group

- ARH 2012 - Survey of Western Art II Credits: 3
- ARH 3080 - History of Animation and American Illustration Credits: 3
- ENG 2250 - Critical Approaches Credits: 3
- ENG 4080 - Advanced Creative Writing Workshop Credits: 3
- FLM 2020 - Semiotics and Cinema Credits: 3

- FLM 3010 - Auteur Filmmakers Seminar Credits: 3
- FLM 3610 - Film Studies Seminar Credits: 3
- PHI 3065 - Philosophy of Film and Television Credits: 3
- PHI 3140 - Philosophies of Art Credits: 3

Bachelor of Arts in Visual Communications

Minimum required credits for program - 53 - 54

Foundation Courses: (24 credits)

- ART 1011 - Drawing I Credits: 3
- ART 2301 - Photography I Credits: 3
- DES 1020 - Design Credits: 2
- DES 1025 - Image Manipulation Credits: 2
- ART 2020 - Color Theory Credits: 2
- DES 1035 - Digital Illustration Credits: 2
- DES 1015 - Typography Credits: 3
- DES 1045 - Page Layout Credits: 3
- DES 2015 - Web Design I Credits: 4

Marketing and Communications Courses: (6 credits)

- EJA 1010 - Introduction to Media Communication Credits: 3
- BUS 2230 - Principles of Marketing Credits: 3

Art History Courses: (6 credits)

Choose two courses from the following:

- ARH 2011 - Survey of Western Art I Credits: 3
- ARH 2012 - Survey of Western Art II Credits: 3
- ARH 3090 - Historical Themes in the Visual Arts Credits: 3

Writing Courses: (3 credits)

Choose one course from the following:

- ENG 2040 - Journalistic Writing Credits: 3
- ENG 2060 - Technical Writing Credits: 3
- ENG 2155 - Introduction to Multimedia Storytelling Credits: 3

Advanced Courses: (9 credits)

- ART 3060 - Book Arts Credits: 3
- ART 3270 - Advanced Photography Credits: 3

- ART 4611 - Senior Thesis I Credits: 3

Production Courses: (3 credits)

Choose one course from the following:

- DES 3111 - Print Production Credits: 3
- DES 3112 - Web Production Credits: 3

Choice Courses: (2 - 3 credits)

Choose one class from the following or from the options listed above in Art History, Writing, and Production (the course chosen cannot have been used in another area of the Visual Communications program)

- DES 2010 - Motion Graphics I Credits: 2
- ENG 3080 - Strategic Media Communications Credits: 3

Bachelor of Fine Arts

Bachelor of Fine Arts Graphic Design

Minimum required credits: 76

Foundation Courses: (23 credits)

- ART 1011 - Drawing I Credits: 3
- ART 2020 - Color Theory Credits: 2
- DES 1015 - Typography Credits: 3
- DES 1020 - Design Credits: 2
- DES 1025 - Image Manipulation Credits: 2
- DES 1035 - Digital Illustration Credits: 2
- DES 1045 - Page Layout Credits: 3
- DES 2010 - Motion Graphics I Credits: 2
- DES 2015 - Web Design I Credits: 4

Formal Acceptance into the Major: (2 credits)

- DES 2550 - Design Seminar Credits: 1
- DES 2950 - Design Review Credits: 1

Art History: (9 credits)

- ARH 2011 - Survey of Western Art I Credits: 3
- ARH 2012 - Survey of Western Art II Credits: 3
- ARH 3090 - Historical Themes in the Visual Arts Credits: 3

OR

- PHI 3140 - Philosophies of Art Credits: 3
Or any 2000 or 3000 level ARH course

Choice Courses - Select One Group: (6 credits)

- ART 2301 - Photography I Credits: 3
- ART 3270 - Advanced Photography Credits: 3
OR
- ART 2270 - Illustration Credits: 3
- ART 3070 - Advanced Illustration Credits: 3
OR
- VID 1060 - Video Production I Credits: 3
- VID 2060 - Video Production II Credits: 3
OR
- CIS 3120 - Programming Internet and Web Applications Part II Credits: 3
- CIS 4060 - Advanced Web Tools Credits: 3

Intermediate Courses: (18 credits)

- DES 3111 - Print Production Credits: 3
- DES 3112 - Web Production Credits: 3
- DES 3150 - Package Design Credits: 3
- DES 3110 - Motion Graphics II Credits: 3
- DES 3115 - Web Design II Credits: 3
- DES 3030 - e-Commerce Fundamentals Credits: 3

Advanced Courses: (9 credits)

- DES 4010 - Branding Credits: 3
- DES 4020 - Advanced Typography Credits: 3
- DES 4030 - Advanced Design Credits: 3

Capstone Courses: (9 - 12 credits)

- DES 4550 - Design Studio Credits: 6
AND/OR
- DES 4810 - Design Internship Credits: 1-6
- DES 4950 - Design Portfolio Credits: 3

Bachelor of Fine Arts in Animation/Illustration

Minimum required credits for the program: 72 credits

Studio Foundation: (13 credits)

- ART 1011 - Drawing I Credits: 3
- DES 1020 - Design Credits: 2
- DES 1025 - Image Manipulation Credits: 2
- ART 2020 - Color Theory Credits: 2
- DES 1035 - Digital Illustration Credits: 2
- DES 2010 - Motion Graphics I Credits: 2

Formal Acceptance into the Major: (2 credits)

- DES 2550 - Design Seminar Credits: 1
- DES 2950 - Design Review Credits: 1

Art History: (9 credits)

- ARH 2011 - Survey of Western Art I Credits: 3
- ARH 2012 - Survey of Western Art II Credits: 3
- ARH 3080 - History of Animation and American Illustration Credits: 3

Intermediate Animation Courses: (21 credits)

- ART 2070 - Introduction to Animation Credits: 3
- ART 2012 - Drawing II Credits: 3
- ART 2241 - Painting I Credits: 3
- ART 2251 - Sculpture I Credits: 3
- ART 2270 - Illustration Credits: 3
- ART 3031 - Life Drawing Credits: 3
(ART 3031 must be taken twice)

Intermediate Art Choice: (6 credits)

- ART 3020 - Digital Techniques Credits: 3
- ART 3050 - Painting II Credits: 3
- ART 2055 - Onsite Sketching Credits: 3

Advanced Animation Courses: (15 credits)

- ART 3070 - Advanced Illustration Credits: 3
- ART 4170 - Visual Narrative Credits: 3
- ART 3080 - Basic 3D Modeling Credits: 3
- ART 3085 - Basic 3D Animation Credits: 3
- DES 3110 - Motion Graphics II Credits: 3
- OR
- ART 4175 - Advanced 3D Animation Credits: 3

Capstone Animation Classes: (6 credits)

- ART 4611 - Senior Thesis I Credits: 3
(Must be taken twice)

Minor

Cinema Production Minor

Minimum required credits for the program: 21

Foundation Courses: (6 credits)

- FLM 1055 - Film Analysis and Appreciation Credits: 3
- FLM 2010 - History of Cinema Credits: 3

Video Production Courses: (9 credits)

- VID 1060 - Video Production I Credits: 3
- VID 2060 - Video Production II Credits: 3
- VID 3060 - Advanced Video Credits: 3

Choice Courses: (6 credits)

Choose two courses from:

- EJA 2050 - Digital Image Acquisition Credits: 3
- EJA 2051 - Aesthetics in Editing Credits: 3
- FLM 2020 - Semiotics and Cinema Credits: 3
- FLM 3010 - Auteur Filmmakers Seminar Credits: 3
- FLM 3610 - Film Studies Seminar Credits: 3
- FLM 4010 - Theory of Cinema Credits: 3
- MBI 3170 - Recording and Post-Production Techniques Credits: 3
- PHI 3065 - Philosophy of Film and Television Credits: 3
- PHI 3140 - Philosophies of Art Credits: 3
- THA 1041 - Introduction to Theatre Credits: 3
- THA 2080 - Theatre Arts in The Dramatic Format Credits: 3
- VID 4060 - Video Workshop Credits: 3

Photography Minor

Minimum required credits for the minor: 19

Foundation Courses: (13 credits)

- ART 2301 - Photography I Credits: 3
- ART 3270 - Advanced Photography Credits: 3

(ART 3270 must be taken twice)

- DES 1020 - Design Credits: 2
- DES 1025 - Image Manipulation Credits: 2

Choice Courses: (6 credits)

Take two of the following:

- ART 1410 - Digital Photography Credits: 3
- ART 2115 - Digital Arts Credits: 3
- ART 3060 - Book Arts Credits: 3
- ARH 3090 - Historical Themes in the Visual Arts Credits: 3
(And other courses as approved by department advisor)

Visual Arts Minor

Minimum required credits required for the minor: 18

Foundation Courses: (6 credits)

- ART 1011 - Drawing I Credits: 3
- ART 1015 - Art Foundations Credits: 3

Choice Courses: (12 credits)

Choose four courses from the following:

- ARH 2011 - Survey of Western Art I Credits: 3
- ARH 2012 - Survey of Western Art II Credits: 3
- ART 1410 - Digital Photography Credits: 3
- ART 2012 - Drawing II Credits: 3
- ART 2030 - Decorative Arts Credits: 3
- ART 2115 - Digital Arts Credits: 3
- ART 2121 - Calligraphy I Credits: 3
- ART 2241 - Painting I Credits: 3
- ART 2251 - Sculpture I Credits: 3
- ART 3031 - Life Drawing Credits: 3
- ART 3050 - Painting II Credits: 3
- ART 3060 - Book Arts Credits: 3
- ART 3210 - Puppetry Credits: 3

Student Handbook

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

- [College Food Services](#)

- Public Safety Information
- Parking and Vehicle Registration
 - General
 - Parking Violations
 - Violations and Fines
 - Loss of Privileges
 - Appeals
 - Towing Policy
 - Student Identification Cards
 - Lockers
 - Automated Teller Machine
- Emergency Information
 - Protocol for a Student Medical Emergency on Campus
 - Campus Emergency Evacuation Plan
 - Bomb Threats Only
 - Violent Incidents
 - Missing Student Procedures
- Campus Communications
 - Network and Email Connection
 - Cancelled Classes
 - Modes of Communication on Campus
- Student Activities
- Athletics
- Intramurals
- S.H.A.P.E.

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

General

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. 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.

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 during regular business hours at ext. 6432. After business hours, call 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. 6432 pager 250-1020
 - 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 move into or stay inside a 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.
- 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.

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 Campus 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 and 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 poster 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

Athletics

Lyndon is a member of the National Collegiate Athletics Association (NCAA - Division III), North Atlantic Conference (NAC), and the Eastern College Athletic Conference (ECAC). Intercollegiate 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 lacrosse, women's volleyball, baseball, and softball.

Intramurals

Many students take advantage of our wide range of intramural sports to take a break from their academic routine. Over a dozen sports are available ranging from football, water sports and volleyball, to basketball, aerobics, tennis and wiffle ball. In addition, there are less traditional activities such as board game nights and Super Bowl celebrations. Whether you like to be active in sports or enjoy watching professional sports, there is intramural programming throughout the week for you.

S.H.A.P.E.

Lyndon's campus recreational facilities are among the best in the region. The Rita L. Bole Center includes a fitness center, two racquetball courts, two gymnasiums, a new climbing wall and a 25 meter, six-lane swimming pool. Outdoors, there are tennis courts and fields for baseball, softball, and soccer. Skiers enjoy local cross-country trails while downhillers enjoy the facilities at nearby Q Burke Mountain, and the Lyndon Outing Club.

Student Life

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

- About Student Life
 - Mission Statement
 - Value Statement
 - Philosophy Statement on Diversity
 - Expectations of Residence Hall Communities
 - Vermont State Colleges Student Housing Policy
 - Commuting Distance for Off-campus Status
- Student Life Policies, Procedures and Regulations
 - Alcohol Policy
 - Check-Out Procedure
 - Cohabitation/Guest Policy
 - Cooking Facilities
 - Custodial Services
 - Damage Policy
 - Drug Policy
 - Firearms, Explosives and other Weapons
 - Hazing Policy
 - Keys
 - Laundry
 - Lockouts
 - Lost and Found
 - Music and Noise Policy
 - Pets
 - Room Changes
 - Room Decorations
 - Room Limit
 - Safety Restrictions
 - Skateboarding, Snowboarding, Biking, and In-Line Skating Policy
 - Smoking Policy
 - Snow Emergency Procedures
 - Solicitation and Concession
 - Storage
 - Vacation Periods
- Care and Maintenance of Residence Hall Rooms

- Energy Use, Recommendations and Warnings
 - Electrical Safety
 - Fire Safety
 - Room Entry and Search Procedures
 - Fire Inspection
 - Administrative Fines
 - Procedures for Reporting Residence Hall Problems
 - LSC Directory
- Student Rights and Responsibilities
 - Philosophy and Focus of the Conduct Administration Process
 - Student Code of Conduct and Conduct Administration Procedures

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 | x6464
- Change of Advisor | Registrar's Office | Vail 348 | x6494
- Commuter Concerns | Dean of SA | RBC 304 | x6418
- 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 | x6494
- 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
- Information | Switchboard | Vail 332 | x0
- Insurance-student | Student Services | Vail 348 | x6463
- Intramural Programs | Sue Henry | 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 | x6494
- Newspaper (LSC) | Critic Office | Vail 203A | x6215
- Parking Permits/Fines | George Hacking Vail 340 | x6432
- Payroll-student | Paulsha George | Vail 369 | x6461 | Cynthia Robertson | Vail 370 | x6410
- Public Safety | George Hacking | Vail 340 | x6432
- Poland/Rogers | RHD Office | Whitlaw 601 | x6330
- Pool Info | Sue Henry | Gym 102 | x6242
- Pool Schedule | x6769
- President's Office | Joseph Bertolino | Vail 368 | x6404
- Provost's Office | Kellie Bean | Vail 365 | x6406
- Registration | Registrar's Office | Vail 348 | x6494
- 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 | x6494
- Transfer Evaluations | Heather Ring | Vail 348 | x6409

- Info. technology | Help Desk | Library 213 | x6456
- Vehicle Reservations | Tom Archer | Maintenance | x6454
- Veteran's Affairs | Evelyn Franz | Vail 348 | x4853
- 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 | x6494
- Work study eligibility | Jennifer Aubin | Vail 348 | x6217
- Work Study Jobs | Danielle Berrien | 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.

Course Descriptions

Accounting

ACC 2121 - Financial Accounting

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 & Notes

The prerequisite is BUS-1090 and BUS 1210 or permission. This course is offered every semester, including summer.

Credits: 4

ACC 2122 - Managerial Accounting

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 & Notes

The prerequisite is ACC 2121. This course is offered every semester.

Credits: 4

ACC 2201 - Intermediate Accounting I

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 & Notes

The prerequisite is ACC 2122. This course is offered every odd-numbered fall.

Credits: 4

ACC 2202 - Intermediate Accounting II

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 & Notes

The prerequisite is ACC 2201. This course is offered every even-numbered spring.

Credits: 4

ACC 2210 - Cost Accounting

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 & Notes

The prerequisite is ACC 2122. This course is offered every odd-numbered spring.

Credits: 4

ACC 2230 - Federal Taxes

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 & Notes

The prerequisite is ACC 2121 or permission. This course is offered every even-numbered fall.

Credits: 3

ACC 3050 - Computerized Accounting

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 & Notes

The prerequisite is ACC 2121. This course is offered every spring and summer.

Credits: 3

ACC 3115 - Advanced Accounting

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 & Notes

The prerequisite is ACC 2202. This course is offered every even-numbered fall.

Credits: 3

ACC 4050 - Auditing and Assurance Services

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. The prerequisite is ACC 2202 or permission. This course is offered every odd-numbered spring.

Prerequisites & Notes

The prerequisite is ACC 2202 or permission. This course is offered every odd-numbered spring.

Credits: 3

ACC 4060 - Forensic Accounting

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 & Notes

The prerequisite is ACC 2202. This course is offered every even-numbered fall.

Credits: 3

Anthropology

ANT 1030 - Introduction to Anthropology

[LGCC4] 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.

Prerequisites & Notes

This course is offered every spring.

Credits: 3

ANT 2710 - Topics in Anthropology

This course provides students the opportunity to pursue topics of special interest in anthropology appropriate to the 2000-level that are not offered in the general Social Science curriculum.

Prerequisites & Notes

The prerequisites are ANT 1030 and sophomore standing.

Credits: 1 to 3

ANT 2910 - Independent Study in Anthropology

Independent Study in Anthropology 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 & Notes

The prerequisites are ANT 1030, sophomore standing and permission.

Credits: 1 to 3

ANT 3010 - Native Societies of America

[LGCC4] 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.

Prerequisites & Notes

The prerequisite is ANT 1030 or SOC 1010 or sophomore standing. This course is offered every odd-numbered fall.

Credits: 3

ANT 3030 - Comparative Cultures

[LGCC4] Comparative Cultures 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.

Prerequisites & Notes

The prerequisites are ANT 1030 or SOC 1010, and sophomore standing. This course is offered every even-numbered fall.

Credits: 3

ANT 3050 - Culture, Ecology, and Health

[LGCC4] 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 & Notes

The prerequisites are ANT 1030 and SOC 1010, and sophomore standing. This course is offered every odd-numbered fall.

Credits: 3

ANT 3060 - Ethnocuisine

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.

Prerequisites & Notes

The pre-requisite is sophomore standing. This course is offered every summer.

Credits: 3

ANT 3310 - Myth, Magic & Religion

[LGCC4] 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.

Prerequisites & Notes

The prerequisites are ANT 1030 and SOC 1010, and sophomore standing. This course is offered every odd-numbered spring.

Credits: 3

ANT 3820 - Anthropology Fieldwork

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 & Notes

The prerequisite is ANT 1030 or permission. This course is offered during the summer.

Credits: 1 to 6

ANT 4710 - Topics in Anthropology

This course provides students with the opportunity to pursue topics of special interest in anthropology appropriate to the 4000-level not offered in the general Social Science curriculum.

Prerequisites & Notes

The prerequisite is junior standing

Credits: 1 to 3

ANT 4910 - Independent Study in Anthropology

Independent study in Anthropology 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 & Notes

The prerequisites are junior standing and permission

Credits: 1 to 3

Art

ART 1010 - Experiencing the Arts

[LGAD3] This course is designed to introduce students to the fine and performing arts as experiences that contribute to human, social, and cultural understanding, provide entertainment, and foster lifelong learning. Selections from the fine and performing arts will be explored as a means of articulating experiences and to whet the appetite for further study and exploration of the arts. Influences, trends, references, connections, and associations among the arts will be studied. Students shall receive a foundation in basic principles and concepts, and shall gain the analytical skills that lead to the development of critical standards when approaching various artists and their works. All students will realize a connection to a specific art form through the hands-on creation of an expressive project.

Prerequisites & Notes

This course is offered every semester. There is a course fee.

Credits: 3

ART 1011 - Drawing I

[LGAD3] This course provides an introduction to drawing mediums, techniques, and concepts, with emphasis on drawing from observation.

Prerequisites & Notes

There is a lab fee. This course is offered every semester.

Credits: 3

ART 1015 - Art Foundations

[LGAD3] This course is an introduction to the expressive and aesthetic aspects of art. The process of creating original works of art, composition, color and understanding art from an artist's point of view will be emphasized.

Prerequisites & Notes

There is a lab fee. This course is offered every fall.

Credits: 3

ART 1410 - Digital Photography

[LGAD3] 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.

Prerequisites & Notes

There is a lab fee. This course is offered every spring.

Credits: 3

ART 2012 - Drawing II

This course emphasizes perceptual and conceptual processes in drawing with an emphasis on composition and perspective drawing.

Prerequisites & Notes

The prerequisite is ART 1011. There is a lab fee. This course is offered every fall.

Credits: 3

ART 2020 - Color Theory

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.

Prerequisites & Notes

The co-requisite is DES 1035. There is a lab fee. This course is offered every semester.

Credits: 2

ART 2030 - Decorative Arts

[LGAD3] 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.

Prerequisites & Notes

The prerequisite is sophomore standing. There is a lab fee. This course is offered every even-number spring.

Credits: 3

ART 2055 - Onsite Sketching

This is an intensive studio course focusing 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. This can include drawing buildings, objects, and people in order to tell a story or depict a mood. This course can be repeated once.

Prerequisites & Notes

There is a lab fee. This course is offered every even-numbered summer.

Credits: 3

ART 2070 - Introduction to Animation

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 & Notes

The prerequisites are GDS 2015 and GDS 2025. There is a lab fee. This course is offered every spring.

Credits: 3

ART 2115 - Digital Arts

[LGAD3] 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.

Prerequisites & Notes

There is a lab fee. This course is offered every odd spring.

Credits: 3

ART 2121 - Calligraphy I

[LGAD3] 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.

Prerequisites & Notes

There is a lab fee. This course is offered every odd-numbered fall.

Credits: 3

ART 2241 - Painting I

[LGAD3] 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.

Prerequisites & Notes

The prerequisite is ART 1011. There is a lab fee. This course is offered every fall.

Credits: 3

ART 2251 - Sculpture I

[LGAD3] This course introduces students to historical and contemporary sculpture. Studio projects explore form, space, and dimension utilizing a variety of mediums.

Prerequisites & Notes

There is a lab fee. This course is offered every spring.

Credits: 3

ART 2270 - Illustration

This course expands student's skills in illustration, scanning and photo-manipulation software. They become aware of the significance of the different graphic file formats and their appropriate functions. This course is for all visual arts students to help them maximize their individual abilities.

Prerequisites & Notes

The prerequisites are ART 1011 and DES 1025. There is a lab fee. This course is offered every spring.

Credits: 3

ART 2301 - Photography I

[LGAD3] 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.

Prerequisites & Notes

A fully functional and adjustable 35mm SLR camera with 50mm lens is required. There is a lab fee.

Credits: 3

ART 2710 - Special Topics in Art

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 & Notes

The prerequisite is permission of the instructor. There may be a lab fee.

Credits: 1 to 3

ART 3020 - Digital Techniques

This course concentrates on visual principles and digital techniques for painting and illustrating using industry-standard painting/illustration software as a tool to mimic traditional art mediums. Students continue to develop their skills in both conceptual and narrative illustration.

Prerequisites & Notes

The prerequisites are ART 2012, ART 2241, and DES 1025. There is a lab fee. This course is offered every spring.

Credits: 3

ART 3031 - Life Drawing

This is a classic figure-drawing course, which explores human form and addresses such issues as anatomy, gesture, technique, and content. This course may be repeated once for credit.

Prerequisites & Notes

The prerequisite is ART 1011. There is a lab fee. This course is offered every spring.

Credits: 3

ART 3050 - Painting II

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 & Notes

The prerequisites are ART 2012 and ART 2020. There is a lab fee. This course is offered every spring.

Credits: 3

ART 3060 - Book Arts

[LGAD3] 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.

Prerequisites & Notes

The prerequisite is sophomore standing. There is a lab fee. The course may be repeated once. This course is offered every fall.

Credits: 3

ART 3070 - Advanced Illustration

This studio course focuses on providing the student an increased understanding of the art of illustration. The student will continue to develop drawing skills, their own distinct illustration style, and the ability to communicate visually through illustration, in traditional and/or electronic media.

Prerequisites & Notes

The prerequisite is ART 2270. There is a lab fee. The course will be offered every odd-numbered fall.

Credits: 3

ART 3080 - Basic 3D Modeling

This course introduces students to 3D character and object modeling. The instruction consists of using 3D animation software to complete self-directed modeling projects.

Prerequisites & Notes

The prerequisites are ART 1011, ART 2020, and DES 1025. There is a lab fee. This course is offered every fall.

Credits: 3

ART 3085 - Basic 3D Animation

This course introduces students to 3D character and object animation. The instruction consists of using 3D animation software to complete self-directed animation projects.

Prerequisites & Notes

The prerequisite is ART-3080. There is a lab fee. This course is offered every spring.

Credits: 3

ART 3210 - Puppetry

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.

Prerequisites & Notes

There is a lab fee. This course is offered every even-numbered fall.

Credits: 3

ART 3270 - Advanced Photography

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. Lab fee covers film, paper, chemistry and a copy of the book.

Prerequisites & Notes

A 35 mm camera with adjustable aperture and shutter speed is required. The prerequisite is ART 2301. This course can be repeated once. There is a lab fee. This course is offered every fall.

Credits: 3

ART 4170 - Visual Narrative

This course provides students concepts of visual story-telling as it relates to the different types of narrative, including but not limited to storyboarding, children's picture books, and the sequential art of graphic novels and comic books. Students will continue to develop drawing skills, a personal style, and the ability to communicate visually using traditional and electronic media.

Prerequisites & Notes

The prerequisites are ART 2270 and ART 3031. There is a lab fee. This course is offered every even-numbered fall.

Credits: 3

ART 4175 - Advanced 3D Animation

This course focuses on advanced 3D Animation skills in which the animator can advance his or her productivity and depth of knowledge in producing a 3D animation. Using 3D animation software and scripting languages, students will concentrate on designing and developing an extensive 3D animated film.

Prerequisites & Notes

The prerequisite is ART 3085. There is a lab fee. This course is offered every spring.

Credits: 3

ART 4611 - Senior Thesis I

This is the first part in a two-course sequence that constitutes the capstone for the BFA degree in Animation/Illustration. Students will select and begin their "dream project" in illustration and/or animation and develop a plan to execute the project and determine how their capstone work can be used to either promote the project in the industry or further their education in a graduate program.

Prerequisites & Notes

The prerequisites are formal acceptance into the Animation/Illustration BFA, senior standing and permission. This course is offered every fall.

Credits: 3

ART 4910 - Independent Study

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.

Prerequisites & Notes

The prerequisite is permission of the instructor.

Credits: 1-3

Art History

ARH 2011 - Survey of Western Art I

[LGPP5] 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 & Notes

The prerequisite is ENG 1052. There is a lab fee. This course is offered every fall.

Credits: 3

ARH 2012 - Survey of Western Art II

[LGPP5] 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 & Notes

The prerequisite is ENG 1052. There is a lab fee. This course is offered every spring.

Credits: 3

ARH 3080 - History of Animation and American Illustration

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 & Notes

The prerequisite is ARH 2011 or ARH 2012. There is a lab fee. This course is offered every even-numbered fall.

Credits: 3

ARH 3090 - Historical Themes in the Visual Arts

The instruction of this course allows for 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.

Prerequisites & Notes

The prerequisites are ARH 2011 and ARH 2012. There is a lab fee. This course is offered every odd-numbered fall.

Credits: 3

Atmospheric Sciences

ATM 1010 - Elementary Meteorology

[LGSE8] Elementary Meteorology presents an introduction to meteorology, primarily for the non-science major. The course includes topics such as observing the weather, 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 introduction to weather forecasting. The course requires three one-hour lectures and one two-hour lab period per week.

Prerequisites & Notes

The prerequisite is Basic Math competency (MAT 0010 and MAT 0221). There is a lab fee. This course is offered every summer and fall semesters.

Credits: 4

ATM 1020 - Elementary Climatology

[LGSE8] This course presents an introduction to climate science. It is designed primarily for the non-science student and includes a lab. The course uses an interdisciplinary approach to discuss the causes and impacts of global climate. Topics discussed include how all parts of the earth system (sun, ocean, land, and air) work together to create global climate; how climate has changed due to changes in these parts of the planet and, recently, due to human activity; and how human society is changed by climate changes (food availability, energy usage, economic and transportation systems, governmental policies, and individual lifestyles).

Prerequisites & Notes

The prerequisite is Basic Math competency (MAT 0010 and MAT 0221). There is a lab fee. This course is offered online every odd-numbered summer and odd-numbered spring.

Credits: 4

ATM 1030 - Elementary Oceanography

[LGSE8] This course presents an introduction to oceanography, is designed primarily for non-science students, and includes a lab. The course discusses life in the ocean, the composition of sea water, waves, tides, currents, ocean basin formation, and environmental issues related to the oceans.

Prerequisites & Notes

The prerequisite is Basic Math competency (MAT 0010 and MAT 0221). There is a lab fee. This course is offered every even-numbered summer and spring semesters.

Credits: 4

ATM 1040 - Field Experience

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. This course may be repeated when no duplication of experience results.

Prerequisites & Notes

The prerequisite is permission. There is a lab fee. This course is offered every fall semester.

Credits: .5 to 3

ATM 1050 - Problem Solving in Atmospheric Sciences

This course introduces at a fundamental level many of the important atmospheric physical processes such as radiation, thermodynamics, and the forces creating wind. An emphasis is placed on problem solving and graphing scientific data.

Prerequisites & Notes

The co-requisites are MAT 1410 or a higher mathematics course, and PHY 2031. There is a lab fee. This course is offered every spring .

Credits: 3

ATM 1211 - Survey of Meteorology I

[LGSE8] This comprehensive course introduces the study of the atmosphere. The course is designed for meteorology and other science-oriented students and includes such topics as the structure of the atmosphere, weather instrumentation, temperature, seasons, humidity, clouds, precipitation, atmospheric stability, optical phenomena, and thunderstorms and tornadoes.

Prerequisites & Notes

The prerequisites are high school physics or PHY 2031, and co-enrollment in MAT 1410 or higher. There is a lab fee. This course is offered every fall.

Credits: 3

ATM 1211L - Survey of Meteorology I Lab

[LGSE8] This lab course covers basic weather data acquisition and understanding, in addition to standard introductory weather lab topics. The lab emphasizes hands-on experience and problem solving, and is taught in approximate tandem with the lecture topics in ATM 1211.

Prerequisites & Notes

The prerequisites are high school physics or PHY 2031 and co-enrollment in MAT 1410 or higher and co-enrollment in ATM 1211. There is a lab fee. This course is offered every fall.

Credits: 1

ATM 1212 - Survey of Meteorology II

[LGSE8] This second semester course continues ATM 1211 and builds on the principles learned in that course as a foundation for the exploration and study of such basic weather features as fronts, cyclones, and thunderstorms. The instruction introduces more specialized topics such as tornadoes, hurricanes, and climate. The course is designed for meteorology and other science-oriented students.

Prerequisites & Notes

The prerequisites are MAT 1410 or higher, ATM 1211, and ATM 1211L. There is a lab fee. This course is offered every spring.

Credits: 2

ATM 1212L - Survey of Meteorology II Lab

[LGSE8] This second semester lab course serves as a continuation of ATM 1211L and builds on skills learned in that course for a deeper study of decoding, map analysis and interpretation, and the Met Lab computer use. As in ATM 1211L, the instruction places heavy emphasis on the use of real-time data and problem solving. ATM 1212L is taught in tandem with the lecture topics presented in ATM 1212. This course is designed for atmospheric sciences and other science-oriented students.

Prerequisites & Notes

The prerequisites are ATM 1211 and ATM 1211L and co-enrollment in ATM 1212. There is a lab fee. This course is offered every spring.

Credits: 1

ATM 2020 - Atmospheric Thermodynamics

This course provides an application of physics and calculus to the study of atmospheric thermodynamics. The course covers such topics as hydrostatics, thermodynamics of dry, moist, and saturated air, and thermodynamic diagrams.

Prerequisites & Notes

The prerequisites are MAT 2532, ATM 1212, and the co-requisite is PHY 2062. There is a lab fee. This course is offered every spring.

Credits: 3

ATM 2050 - Statistical Applications in Climate Science

This course discusses inferential statistics, time series analysis, smoothing/filtering, empirical orthogonal functions, and analysis of variance. These statistics are applied to climate data sets to study climate change and medium range weather forecasting topics.

Prerequisites & Notes

The prerequisite is ATM 2060. There is a lab fee. This course is offered every odd-numbered fall.

Credits: 3

ATM 2060 - Survey of Climate Science and Statistics

This course is a comprehensive study of climate for science majors. The course explores controls of climates, the resulting global climate, and causes of climate change (including the global carbon cycle). The course also emphasizes related climate statistics. Statistical methods are studied and then used to investigate climate data using probability densities, descriptive statistics, point estimation, and hypothesis testing.

Prerequisites & Notes

The prerequisites are ATM 1212 and ATM 1212L. There is a lab fee. This course is offered every fall.

Credits: 4

ATM 2210 - Geophysical and Human Interactions

[LGNR7] This course examines the interactions among humans, the earth, and the atmosphere. Topics 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 & Notes

The prerequisite is ATM 2060. There is a lab fee. This course is offered every even-numbered spring.

Credits: 3

ATM 3020 - Practicum in Forecasting and Broadcasting

This course allows advanced students to use modern techniques to prepare forecasts that they broadcast across different platforms. The instruction consists of occasional class meetings and one-on-one critiquing/coaching that develops and improves implied descriptive science writing and forecasting ability. The course may be repeated for a total of 4 credits.

Prerequisites & Notes

The prerequisites are ATM-2060 and EJA 1221. There is a lab fee. This course is offered every semester.

Credits: 1 to 4

ATM 3050 - GIS Applications in Atmospheric Sciences

This course covers how to use GIS for data analysis in Atmospheric Sciences. Topics 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. Converting spatial data to integrate with other GIS applications such as Google Earth is also covered.

Prerequisites & Notes

This course is offered every odd-numbered spring.

Credits: 3

ATM 3110 - Remote Sensing

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 & Notes

The prerequisites are ATM 3140, ATM 3321, and ATM 3331. There is a lab fee. This course is offered every spring.

Credits: 3

ATM 3140 - Physical Meteorology

Physical Meteorology studies the radiation processes in the earth's atmosphere, cloud physics, atmospheric optics, atmospheric electricity, and aeronomy.

Prerequisites & Notes

The prerequisites are ATM 2020, PHY 2061, and PHY 2062. There is a lab fee. This course is offered every fall.

Credits: 3

ATM 3170 - Weather Risk Assessment

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 & Notes

The prerequisite is ATM 2060. There is a lab fee. This course is offered every odd-numbered spring.

Credits: 3

ATM 3220 - Physical Oceanography

This course emphasizes study of properties of sea water and generation of waves, tides, currents, and upwelling. The course also discusses air-sea interactions, including moisture, momentum, and heat transfers. In addition, the relationships among surface, deep water, and atmospheric circulations and climate change are discussed.

Prerequisites & Notes

The prerequisite is ATM 2020. There is a lab fee. This course is offered every odd-numbered fall.

Credits: 3

ATM 3230 - Aviation Meteorology

The course details all aspects of meteorology related to flight operations including icing, turbulence, low-level wind shear, and low ceilings and visibilities. The instruction includes decoding and interpreting pilot reports. The lab consists of analyzing data for aviation purposes and giving pilot weather briefings and includes visits to FAA Flight Service Stations and Air Route Traffic Control Center. The course is recommended for meteorology majors specializing in forecasting for NWS or USAF and for those going into TV weathercasting.

Prerequisites & Notes

The prerequisite is ATM 2020. There is a lab fee. This course is offered every even-numbered fall.

Credits: 3

ATM 3270 - Television Weather Graphics

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. This course may be repeated three times.

Prerequisites & Notes

The prerequisites are ATM 2060, EJA 1221, ATM 3020, and EJA 2843. The co-requisite is EJA 3222 or ATM 4010. There is a lab fee. This course is offered every fall semester.

Credits: 1

ATM 3280 - Seminar in Atmospheric Sciences Research

This course introduces students to the research methodology and results associated with advances in understanding of atmospheric processes and weather events. Students and faculty will watch, analyze, and discuss talks from experts in the field as a way of understanding the research process and the findings presented. Course may be repeated twice.

Prerequisites & Notes

The co-requisite is junior standing. This course is offered every fall semester.

Credits: 1

ATM 3310 - Forecasting Applications

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 & Notes

The prerequisite is ATM 2060. There is a lab fee. This course is offered every even-numbered spring.

Credits: 3

ATM 3321 - Atmospheric Dynamics I

This first course in atmospheric dynamics utilizes physics and calculus. The instruction includes such topics as equation of motion on a rotating Earth, balanced flow, kinematics, circulation theorem, conservation of absolute angular momentum, mass continuity, vorticity equation, and wind-pressure imbalance.

Prerequisites & Notes

The prerequisites are ATM 2020, MAT 2543, and PHY 2062. The co-requisite is ATM 3331. There is a lab fee. This course is offered every fall.

Credits: 3

ATM 3322 - Atmospheric Dynamics II

This second course in atmospheric dynamics using vectors includes such topics as Rossby waves, quasi-geostrophic theory, and synoptic-scale instability theory.

Prerequisites & Notes

The prerequisite is ATM 3321, and the co-requisite is ATM 3332. There is a lab fee. This course is offered every spring.

Credits: 3

ATM 3331 - Analysis and Forecasting I

This course begins a survey of the entire spectrum of synoptic and mesoscale analysis and forecasting. It is designed to be taken in tandem with Atmospheric Dynamics I, so that the student may see direct applications of the theory learned in that course in addition to learning operational forecasting rules and techniques. The instruction allows students to experience the type of work routinely done by practicing forecasters, with the goal of gaining both a solid grasp of meteorological principles and the ability to produce and communicate sound forecasts.

Prerequisites & Notes

The prerequisite is ATM 2020. The co-requisite is ATM 3321. There is a lab fee. This course is offered every fall.

Credits: 3

ATM 3332 - Analysis and Forecasting II

This course continues a survey of synoptic and meso-scale analysis and forecasting. It is designed to be taken in tandem with Atmospheric Dynamics II, so that the student may see direct applications of the theory learned in that course, in addition to learning operational forecasting rules and techniques. The instruction allows students to experience the type of work routinely done by practicing forecasters directly, while gaining both a solid grasp of meteorological principles and the ability to produce and communicate sound forecasts.

Prerequisites & Notes

The prerequisite is ATM 3331, and the co-requisite is ATM 3322. There is a lab fee. This course is offered every spring.

Credits: 3

ATM 4010 - Television Weathercasting

This course allows advanced students an opportunity to prepare forecasts and present them on the college's television station (News7). The course consists of one-on-one critiquing/coaching to develop and improve descriptive science language/graphics and forecasting ability. The course may be repeated once.

Prerequisites & Notes

The prerequisites are ATM 3020 and ATM 3332. The co-requisite is EJA 3222. There is a lab fee. This course is offered every semester.

Credits: 1

ATM 4020 - Tropical Meteorology

This course provides a study of the tropical atmosphere, including climatology, mean structure and circulation, air-sea energy exchange, cumulus transport, easterly waves, and tropical storms. The instruction pays special attention to forecasting the formation, motion, and intensity change of hurricanes.

Prerequisites & Notes

The prerequisite is ATM 2020. There is a lab fee. This course is offered every odd numbered fall.

Credits: 3

ATM 4030 - Physical Climatology

This course provides a climatological and statistical study of key planetary surface and upper-air synoptic features. The circulation features revealed are examined and discussed to enhance understanding of circulation behavior, with subsequent application to medium range weather forecasting. The course includes analysis of teleconnections, atmospheric oscillations, creating synoptic climatological data, and forecasting applications to high impact weather events.

Prerequisites & Notes

The prerequisite is ATM 2060. There is a lab fee. This course is offered every even-numbered fall.

Credits: 3

ATM 4040 - Physical Hydrology

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 & Notes

The prerequisite is ATM 2020. There is a lab fee. This course is offered every even-numbered spring.

Credits: 3

ATM 4050 - Air Pollution Meteorology

This course provides a study of the sources, transport, and forecasting of air pollutants. The instruction covers such topics as types of air pollutants, dispersion, mixing level determination, modeling, and regulations.

Prerequisites & Notes

The prerequisites are CHE 1033 and ATM 2020. There is a lab fee. This course is offered every odd numbered spring.

Credits: 3

ATM 4071 - Broadcast Meteorologist I

This course focuses on deepening and broadening the student's knowledge of meteorological and environmental topics. The course serves as a means of enhancing the effectiveness of the broadcast meteorologist as a forecaster and as the station scientist. Possible topics include review and application of topics from the undergraduate meteorology curriculum to an operational broadcast setting, coverage of weather safety and global change issues, and survey of the earth, space, environmental, and related sciences covered by broadcast meteorologists in their role as the station scientist.

Prerequisites & Notes

The co-requisite is senior standing in an atmospheric sciences major. This course is offered every fall semester.

Credits: 1

ATM 4072 - Broadcast Meteorologist II

This course extends coverage of ATM 4071 to other meteorological and environmental topics suitable to the participants' needs.

Prerequisites & Notes

The prerequisite is ATM 4071. This course is offered every fall semester.

Credits: 1

ATM 4110 - Numerical Weather Prediction

This comprehensive course focuses on numerical weather prediction. The instruction covers such topics as the governing equations, numerical methods, history of numerical models in meteorology, initialization, objective analysis, and atmospheric predictability.

Prerequisites & Notes

The prerequisites are ATM 3321 and ATM 3331. There is a lab fee. This course is offered every odd-numbered spring.

Credits: 3

ATM 4120 - Mesoscale Meteorology

This course provides a comprehensive study of the structure, evolution, and dynamics of atmospheric phenomena having spatial scales between 2 and 2,000 km. Topics include sea/land/lake breezes, the dryline, coastal fronts, gust fronts, air-mass thunderstorms, multicell thunderstorms, supercells, mesoscale convective systems, bow echoes, derechoes, tornadoes, and gravity waves. Students will study the phenomena through examination of data from a variety of observing platforms, mesoscale models, case studies, and multi-media instructional modules.

Prerequisites & Notes

The prerequisites are ATM 3321 and ATM 3331. There is a lab fee. This course is offered every spring.

Credits: 3

ATM 4130 - Space Weather

This course examines the interactions between the earth and sun. The physics of the sun and space weather events such as solar radiation storms, geomagnetic storms, and coronal mass ejections are explored from an observational and modeling perspective. The course covers current forecasting techniques for space weather events along with their impact on life, property,

and infrastructure.

Prerequisites & Notes

The prerequisite is PHY 2063. There is a lab fee. This course is offered every even-numbered spring.

Credits: 3

ATM 4140 - Climate Change Dynamics

This course discusses the natural and anthropogenic impacts on the global energy budget, global carbon cycling, and radiative forcings. This course considers general circulation dynamics and modeling, theories of climate change controls, and observational evidence for climate change.

Prerequisites & Notes

The pre- or corequisite is ATM 3322. There is a lab fee. This course is offered every odd-numbered spring.

Credits: 3

ATM 4410 - Workshop on Weathercasting Techniques

The instructor, a professional on-air weather broadcaster, leads discussion and analysis of the content and delivery of weather information as presented on television. Tapes from both experienced weathercasters and class members are critiqued in class. Students then practice and refine their on-camera skills in a TV studio under the guidance of that instructor. Students need to have previously taken, or to be taking concurrently, ATM 3020 and EJA 2843.

Prerequisites & Notes

The prerequisites are EJA 1221, and permission. There is a course fee. This course is offered every semester. Course may be repeated twice.

Credits: 1

ATM 4610 - Mathematical Studies in Atmospheric Sciences I

Students will use their knowledge of mathematics techniques to investigate a meteorologically-related topic at a level beyond the level presented in courses required in the BS atmospheric sciences degree program.

Prerequisites & Notes

The prerequisite is ATM 3322. This course is offered every fall.

Credits: 1

ATM 4620 - Mathematical Studies in Atmospheric Sciences II

Students complete the research program started in ATM 4610, then write and present their work.

Prerequisites & Notes

The prerequisite is ATM 4610. This course is offered every spring.

Credits: 1

ATM 4710 - Topics in Atmospheric Sciences

This course offers a study of topics of special interest, not extensively treated in regularly scheduled offerings.

Prerequisites & Notes

The prerequisite is permission.

Credits: 1 to 4

ATM 4712 - Thesis in Atmospheric Sciences I

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 & Notes

The prerequisites are ATM 3321, ATM 3331 and ATM 3140. There is a lab fee. This course is offered every fall.

Credits: 2

ATM 4713 - Thesis in Atmospheric Sciences II

This course provides an opportunity for students to revise and expand the content and style of the report written in ATM 4712 into a technical report. The instruction covers the transformation of a technical report into a technical talk and includes the requirement of a presentation based on the paper written in ATM 4712.

Prerequisites & Notes

The prerequisite is ATM 4712. There is a lab fee. This course is offered every spring.

Credits: 2

ATM 4820 - Co-op in Atmospheric Sciences

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.

Credits: 1 to 15

ATM 4900 - Independent Study, Directed Study, and Special Projects in Atmospheric Sciences

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.

Prerequisites & Notes

The prerequisite is permission.

Credits: 1 to 3

Biology

BIO 1110 - Bird Identification

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.

Prerequisites & Notes

There is a lab fee. This course is offered by student request.

Credits: 2

BIO 1210 - Introduction to Biology

[LGSE8] An introduction to the study of life, including cells, organisms, ecosystems, and evolution, and the techniques of the biologist. This course is recommended for non-science majors.

Prerequisites & Notes

There is a lab fee. This course is offered every semester.

Credits: 4

BIO 1211 - Introduction to Biology: Ecology and Evolution

[LGSE8] In this course, students will examine the "process of science" with hands-on field and laboratory experiments. Concepts in the evolutionary history of biological diversity, ecology, and the biosphere, and conservation biology will be covered. This course is recommended for science majors.

Prerequisites & Notes

There is a lab fee. This course is offered every fall.

Credits: 4

BIO 1212 - Introduction to Biology: Cells and Genetic Basis

[LGSE8] This course will introduce 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. The course will cover topics in the chemistry of life, cell structure and function, cell reproduction, classical and molecular basis of inheritance, and DNA technology. This course is recommended for science majors, including exercise science.

Prerequisites & Notes

There is a lab fee. This course is offered every semester.

Credits: 4

BIO 2011 - Human Anatomy and Physiology I

[LGSE8] First semester of a two-semester course which examines the structure and function of the human body. Topics include: chemistry, cells, tissues, skeletal system, muscular system, and nervous system.

Prerequisites & Notes

There is a lab fee. This course is offered every semester.

Credits: 4

BIO 2012 - Human Anatomy and Physiology II

[LGSE8] This course is a continuation of BIO 2011. Topics include the structure and function of the other organ systems.

Prerequisites & Notes

The prerequisite is BIO 2011. There is a lab fee. This course is offered every semester.

Credits: 4

BIO 2020 - Laboratory Techniques in Exercise Science

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 & Notes

The prerequisite is GEU mathematics. There is a lab fee. This course is offered in the fall.

Credits: 3

BIO 2060 - Nutrition for Health and Fitness

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.

Prerequisites & Notes

There is a lab fee. This course is offered every spring.

Credits: 3

BIO 2370 - Biology Modules

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.

Prerequisites & Notes

There is a lab fee. This course is offered by student request.

Credits: 1 to 4

BIO 3020 - Field Zoology

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.

Prerequisites & Notes

There is a lab fee. The prerequisite is BIO 1211 or permission. This course is offered every odd-numbered fall.”

Credits: 4

BIO 3050 - Natural History of Vertebrates

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.

Prerequisites & Notes

The prerequisite is BIO 1211 or BIO 1212 or permission. There is a lab fee. This course is offered by student request.

Credits: 4

BIO 3110 - Field Ornithology

This course is a field-oriented course designed for students interested in the study of birds primarily as an avocation. Identification, conservation, and life history of the local bird fauna are stressed.

Prerequisites & Notes

There is a lab fee. This course is offered by student request.

Credits: 3

BIO 3120 - Principles of Ornithology

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.

Prerequisites & Notes

The prerequisite is BIO 1211 or BIO 1212. There is a lab fee. This course is offered every even-numbered spring.

Credits: 4

BIO 3140 - Introduction to Microbiology

The instruction of 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.

Prerequisites & Notes

The prerequisite is BIO 21212, or permission. There is a lab fee. This course is offered every spring and summer.

Credits: 4

BIO 3160 - Animal Behavior

Animal Behavior explores the relationships of ecology, taxonomy, and evolution to behavior from the viewpoint of natural selection. The instruction includes such topics as the principles of animal behavior; the concepts and methods of study; invertebrate and vertebrate nervous organization, communication, and social behavior. The laboratories include experimental investigations, films, and field trips. The course requires two two-hour combination lecture/labs per week and several extended field trips.

Prerequisites & Notes

There is a lab fee. This course is offered by student request.

Credits: 4

BIO 3220 - Genetics

This course balances coverage of classical genetics and modern molecular genetics. The instruction includes DNA structure, the genetic code, classical inheritance, quantitative traits, genetic mapping, mutation and genomics. Laboratory exercises expose students applications of bioinformatics, genetic engineering, DNA fingerprinting and microarray analysis. The prerequisite is BIO 1212 or permission. There is a lab fee. This course is offered every even-numbered spring.

Prerequisites & Notes

The prerequisite is BIO 1212 or permission. There is a lab fee. This course is offered every even-numbered spring.

Credits: 4

BIO 3280 - Environmental Toxicology

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 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.

Prerequisites & Notes

The prerequisites are CHE 1032 and CHE 2020. There is a lab fee. This course is offered every even-numbered fall.

Credits: 4

BIO 3330 - Field Botany and Dendrology

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.

Prerequisites & Notes

The prerequisite is one semester of biology. There is a lab fee. This course is offered every fall.

Credits: 4

BIO 3340 - Advanced Systematic Botany

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.

Prerequisites & Notes

The prerequisites are BIO 1211 and BIO 3330, or permission. There is a lab fee. This course is offered every even-numbered spring.

Credits: 4

BIO 4040 - Ecology

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.

Prerequisites & Notes

The prerequisite is BIO 1211. There is a lab fee. This course is offered every odd-numbered spring.

Credits: 4

BIO 4050 - Watershed Ecology

This course focuses on the study of surface water hydrology, soils, erosion and water quality on a watershed scale. It includes a study of the roles of riparian and wetland ecosystems in maintaining environmental quality and of methods of remediation when environmental degradation has occurred. The course emphasizes practical applications and quantitative analysis of both theoretical and empirical data. There are three lectures and one laboratory per week.

Prerequisites & Notes

Prerequisites are CHE 1031, BIO 1211 and BIO 2520. There is a lab fee. This course is offered every even-numbered fall.

Credits: 4

BIO 4080 - Introduction to Plant Pathology and Pest Management

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.

Prerequisites & Notes

The prerequisite is BIO 1211. There is a lab fee. The course will be offered every odd-numbered spring.

Credits: 4

BIO 4210 - Wildlife Biology and Management

Topics for this course include the basic principles of ecology, introduction to fishes, amphibians, reptiles, birds, and mammals, human impacts on soils, plants, animals and the environment. Discussions address ways to work toward an appreciative and respectful coexistence. The laboratory emphasizes current techniques for assessing and managing the health of wildlife populations.

Prerequisites & Notes

There is a lab fee. This course is offered by student request during even-numbered fall semesters.

Credits: 4

BIO 4320 - Sustainable Food Systems I

[LGNR7] 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 Lyndon State 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.

Prerequisites & Notes

Prerequisite is BIO 1211 or BIO 1212, or permission of the instructor. There is a lab fee. This course will be offered every summer.

Credits: 4

BIO 4330 - Sustainable Food Systems II

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 Lyndon State College Gardens.

Prerequisites & Notes

Prerequisites include BIO 1211 or BIO 1212 or permission of the instructor. There is a lab fee. This course will be offered every spring.

Credits: 4

BIO 4710 - Biology Modules

Biology Modules provide an intensive study of a variety of current topics in biology, and is offered in response to the current interests of the students and faculty. Some modules may be taken for major elective credit with written permission. The course requires fifteen lecture/lab hours per credit.

Prerequisites & Notes

The permission of the instructor is required for registration. There is a lab fee.

Credits: 1 to 4

BIO 4720 - Seminar in Conservation Biology

This seminar features a detailed study of the major problems and issues in Conservation Biology with an emphasis on endangered ecosystems and species. Field trips visit sites of conservation interest. It is open to non-science majors with permission.

Prerequisites & Notes

There is a lab fee. This course is offered by student request during even-numbered fall semesters.

Credits: 4

Business

BUS 1090 - Business Math

This course covers the fundamental math skills and reasoning for business applications. Topics include mathematical functions, problem-solving techniques, ratio analysis, relationships of time and value, statistical concepts, and graphs. Topics will be learned through applications in business or personal finance, or economics.

Prerequisites & Notes

The prerequisite is Math Competency. The course is offered every semester.

Credits: 3

BUS 1210 - Introduction to Business Software and Information Systems

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.

Prerequisites & Notes

This course is offered every semester, including summer.

Credits: 3

BUS 2015 - Fundamentals of Management in Business

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.

Prerequisites & Notes

This course is offered every semester.

Credits: 3

BUS 2080 - Organizational Behavior and Communications in Business

This fundamentals course covers the critical components of organizational behavior and effective professional business communication. Students will learn to write clear, concise, well-organized letters, memos, proposals, reports, instructions, manuals, and specifications for all levels of the firm, and for both internal and external audiences. This course also exposes the student to current theory and practice in the area of human behavior in organizations and work groups.

Prerequisites & Notes

The prerequisite is BUS 2015. This course is offered every semester.

Credits: 3

BUS 2140 - Personal Finance

[LGGE6] 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.

Prerequisites & Notes

This course is offered every odd-numbered fall.

Credits: 3

BUS 2230 - Principles of Marketing

[LGSS1] 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.

Prerequisites & Notes

This course is offered every semester.

Credits: 3

BUS 2450 - Business Law

This course introduces the student to the fundamentals, principles, and practices of law as they apply to business operations. Topics covered in this course include state and federal regulations, consumer law, contracts, business forms (partnerships and corporations), sales and warranties, commercial transactions, tort liability, tax considerations, and bankruptcy.

Prerequisites & Notes

This course is offered every semester.

Credits: 4

BUS 2710 - Seminar in Business

This seminar offers an opportunity to concentrate on areas of special interest in management or to extend the range of study in specific areas in business. The seminar may be repeated for credit.

Prerequisites & Notes

The prerequisite is math competency.

Credits: 3

BUS 3150 - Production/Operations Management

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 & Notes

The prerequisites are ACC 2122, MAT 2021 and junior standing, or permission. This course is offered every spring and summer.

Credits: 3

BUS 3160 - Sales Management and Selling

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 & Notes

The prerequisite is BUS 2230 or permission. This course is offered every even-numbered spring.

Credits: 3

BUS 3230 - Financial Management

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 & Notes

The prerequisite is ACC 2122. This course is offered every semester.

Credits: 3

BUS 3240 - Global Business

[LGGE6] 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.

Prerequisites & Notes

The prerequisite is junior standing or permission. This course is offered every semester.

Credits: 3

BUS 3260 - Investment and Portfolio Management

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 & Notes

The prerequisite is BUS 3230. This course is offered every odd-numbered spring.

Credits: 3

BUS 3350 - Innovation, Creativity, and Entrepreneurship

[LGSS1] 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 & Notes

The prerequisites are BUS-2015 and ACC 2122. This course is offered every fall.

Credits: 3

BUS 3810 - Business Internship

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. See also the section on Cooperative Education elsewhere in this catalog.

Prerequisites & Notes

The prerequisite is permission. This course is offered every semester.

Credits: 3

BUS 4030 - Marketing Research

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. Depending on the extent of the research project undertaken by the student, the course can be complemented with BUS 4030L, Marketing Research Special Project (1 credit).

Prerequisites & Notes

The prerequisites are BUS 2230 and MAT 2021, or permission. This course is offered every odd-numbered fall.

Credits: 3

BUS 4060 - Strategic Management

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 & Notes

The prerequisites are BUS 3230 and senior standing. This course is offered every spring and summer.

Credits: 3

BUS 4190 - Leadership in Business

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 & Notes

The prerequisites are BUS 2015 and senior standing, or permission of the instructor. This course is offered every spring.

Credits: 3

BUS 4710 - Topics in Business

This course focuses on a special topic in business or a specific business activity. The instruction offers an advanced level of study that assumes prior knowledge or experience in the subject area. This course may be repeated for credit.

Prerequisites & Notes

The prerequisites are determined by topic offered and are junior standing or instructor permission.

Credits: 3

BUS 4830 - Senior Practicum

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.

Prerequisites & Notes

The prerequisite is senior standing or permission. There is a lab fee. The course will be offered every spring.

Credits: 3

BUS 4910 - Independent Study

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.

Prerequisites & Notes

This course is offered every semester.

Credits: 3

Chemistry

CHE 1023 - Outline of General Chemistry

[LGSE8] This is a one-semester survey of principles of general chemistry for Exercise Science majors and other 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 2-hour lab per week.

Prerequisites & Notes

The prerequisite is MAT 1060 or permission. High school chemistry is strongly recommended. There is a lab fee. This course is offered every fall.

Credits: 4

CHE 1031 - General Chemistry I

[LGSE8] This is the first course of a two-semester sequence that provides an introduction for Science and Exercise Science (2-semester chemistry requirement only) majors to the principles of chemistry. The first semester focuses on stoichiometry, atomic structure, and the periodic table, chemical bonding and molecular structure, chemical reactions in aqueous solution, and the properties of solids. The course requires three classroom hours, and one 2 hour lab per week.

Prerequisites & Notes

The prerequisite is MAT 1020 or permission. High school or college physics is strongly recommended. There is a lab fee. This course is offered every fall.

Credits: 4

CHE 1032 - General Chemistry II

[LGSE8] This is the second course of a two-semester sequence that provides an introduction for Science and Exercise Science (2-semester chemistry requirement only) majors to the principles of chemistry. The second semester topics include behavior of gases, liquids and changes of state, properties of solutions, chemical equilibrium, acids and bases, solubility and complex equilibria, electrochemistry, introduction to organic chemistry, and the chemistry of the representative and transition metal elements. The course requires three classroom hours and one 2 hour lab per week.

Prerequisites & Notes

The prerequisite is CHE 1031. There is a lab fee. This course is offered every spring.

Credits: 4

CHE 2020 - Introduction to Environmental Chemistry

[LGNR7] 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.

Prerequisites & Notes

There is a lab fee. This course is offered every spring.

Credits: 4

CHE 2710 - Chemistry Modules

This course provides a study of a variety of current topics in chemistry, offered in response to the current interest of students and faculty. Examples of topics include water quality, household chemicals, food, and nutrition.

Prerequisites & Notes

There is a lab fee.

Credits: 1 to 4

CHE 3010 - Biochemistry

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 & Notes

The prerequisite is CHE 3111 or permission. There is a lab fee. This course is offered by student request.

Credits: 4

CHE 3050 - Environmental Chemistry

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 & Notes

The prerequisite is CHE 1032 or CHE 2020. There is a lab fee. This course is offered every even-numbered spring.

Credits: 4

CHE 3111 - Organic Chemistry I

Organic Chemistry I presents the fundamentals of the structure and reactions of carbon compounds. The instruction emphasizes reaction mechanisms, synthesis, stereochemistry, and chemical and spectroscopic methods of analysis. The course requires one three-hour laboratory per week which emphasizes basic techniques and synthesis.

Prerequisites & Notes

The prerequisite is CHE 1032. This course is offered every odd-numbered fall.

Credits: 4

CHE 3112 - Organic Chemistry II

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 basic techniques of compound identification and synthesis.

Prerequisites & Notes

The prerequisite is CHE 3111. This course is offered every even-numbered spring.

Credits: 4

CHE 4710 - Chemistry Modules

Chemistry Modules provide an intensive study of a variety of current topics in chemistry, offered in response to the current interests of the students and faculty. Examples of topics include food and nutrition, household chemicals, drugs and pharmaceuticals, farm chemistry, and water quality. Some modules may be taken for major elective credit with written permission. The course requires 15 lecture/lab hours per credit.

Prerequisites & Notes

The permission of the instructor is required for registration. There is a lab fee.

Credits: 1 to 4

Computer Science**CIS 1050 - Computer Operation Systems and Spreadsheets**

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.

Prerequisites & Notes

This course is offered every fall.

Credits: 1

CIS 1060 - Introduction to Databases

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.

Prerequisites & Notes

This course is offered every fall.

Credits: 1

CIS 1065 - Introduction to Programming Logic

This course will introduce students to the logic required for computer programming. Students will learn the concepts related to most languages including variables, assignment statements, operators, branches, loops and procedures. Students will focus on the logic required to design a program before it is coded. They will then create executable programs based on their logic.

Prerequisites & Notes

This course will be offered every spring.

Credits: 1

CIS 1090 - Problem Solving with Computers

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.

Prerequisites & Notes

This course is offered every fall.

Credits: 3

CIS 1210 - Concepts of Word Processing

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.

Credits: 1

CIS 1220 - Concepts of the Internet and WWW

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.

Credits: 1

CIS 1240 - Simple Computer Graphics

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.

Credits: 1

CIS 1247 - Concepts of Desktop Publishing

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.

Credits: 1

CIS 1310 - Methods of Computer Presentations

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.

Credits: 1

CIS 2011 - Visual Basic Programming

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.

Prerequisites & Notes

CIS 2271, Java Programming, is strongly recommended before taking this course.

Credits: 3

CIS 2032 - C++ Programming

Topics include memory management, object oriented concepts (inheritance, polymorphism, encapsulation, information hiding), data structures, user interface features, error handling, advanced input and output.

Prerequisites & Notes

The prerequisite is CIS 2271. This course is offered every fall.

Credits: 3

CIS 2060 - Programming with FORTRAN

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 & Notes

The prerequisite is MAT 1410 or MAT 1221. This course is offered every spring.

Credits: 3

CIS 2101 - Introduction to Unix

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 & Notes

The prerequisite is basic computer competency. This course is offered every fall.

Credits: 1

CIS 2112 - Computer Hardware & Organization

This introductory course focuses on the basic elements and organization of computer hardware. Students are presented 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 PCs, laptops and related hardware, and basic networking.

Prerequisites & Notes

This course is offered every even-numbered spring.

Credits: 3

CIS 2141 - Programming Internet and Web Applications Part I

This course focuses on the creation of web pages and web sites and the subsequent development of software applications that will serve those sites. The major emphasis is on client-side applications. Topics include HTML, graphics for web pages, client-side scripting (JavaScript/Jscript) and related programming concepts, and Dynamic HTML.

Prerequisites & Notes

This course is offered every fall.

Credits: 3

CIS 2142 - Advanced Visual Basic

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 & Notes

The prerequisite is CIS 2011.

Credits: 3

CIS 2271 - Java Programming

Topics include 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 & Notes

CIS 1090, Object Oriented Problem Solving, is strongly recommended before taking this course. This course is offered every spring.

Credits: 3

CIS 2279 - Introduction to Perl Programming

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.

Prerequisites & Notes

The prerequisite is any other computer programming course. This course is offered every fall. There is a course fee.

Credits: 1

CIS 2290 - Introduction to Python

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.

Prerequisites & Notes

The prerequisite is experience in at least one other programming language. This course is offered every fall.

Credits: 1

CIS 2330 - Database Systems

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 & Notes

The prerequisite is experience in at least one other programming language. This course is offered every odd-numbered spring.

Credits: 3

CIS 2990 - Portfolio

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 & Notes

The prerequisite is sophomore status.

Credits: 1

CIS 3050 - Algorithms and Data Structures

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 & Notes

The prerequisite is CIS 2032 or CIS 2142. This course is offered every spring.

Credits: 3

CIS 3110 - Networking

This course introduces data communications concepts and terminology. The instruction presents network topologies and components, distributed information systems, the communication environment, protocols, regulatory issues, pricing, and management. The course will also provide students with hands-on experience in setting up and maintaining a computer network.

Prerequisites & Notes

This course is offered every odd-numbered fall.

Credits: 3

CIS 3120 - Programming Internet and Web Applications Part II

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 & Notes

The prerequisite is CIS 2141. This course is offered every odd-numbered spring.

Credits: 3

CIS 3810 - Cooperative Field Work

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.

Credits: 3 to 12

CIS 4040 - Computer Security

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 class is intended for students with no knowledge of computer information security, but a basic knowledge of networks is required.

Prerequisites & Notes

The prerequisite is CIS 3110. This course is offered every even-numbered fall.

Credits: 3

CIS 4060 - Advanced Web Tools

This course will provide students the opportunity to explore current web technologies. Through practical application of recent web-development technologies students will build functionally advanced web sites and media. Students' exposure to industry standard technologies that have been recently established will be reinforced through in-class labs and a major project.

Prerequisites & Notes

The prerequisite is CIS 2141. This course is offered every even-numbered fall.

Credits: 3

CIS 4120 - Systems Analysis and Design

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 & Notes

The prerequisite is any other programming class. This course is offered every even-numbered spring.

Credits: 3

CIS 4710 - Special Studies in Computer Science

Special Studies is offered to advanced students on an individual basis. Each student plans a program of study in consultation with a faculty member in the department. This course may be repeated for additional credit.

Credits: 3

CIS 4810 - Internship in Computer Science

As arranged.

Credits: 3

CIS 4990 - Portfolio

This course consists of the completion of the required graduation portfolio, which will be reviewed by a faculty panel.

Prerequisites & Notes

The prerequisite is senior status.

Credits: 1

Criminal Justice

CRJ 1010 - Introduction to Criminal Justice

[LGSS1] 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.

Prerequisites & Notes

This course is offered every fall.

Credits: 3

CRJ 2010 - Law Enforcement in America

[LGGE6] 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 & Notes

The prerequisite is CRJ 1010 passed with a grade of "C" or better, or permission. This course is offered every spring.

Credits: 3

CRJ 2020 - American Judicial Process

[LGGE6] 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.

Prerequisites & Notes

The prerequisite is CRJ 1010. This course is taught every fall.

Credits: 3

CRJ 2050 - Criminology

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 & Notes

The prerequisite is CRJ 1010. This course is offered every semester.

Credits: 3

CRJ 2170 - Ethics and Professionalism in Criminal Justice

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. Among the topics explored in this class are the meaning of morality and ethics and the connections between law, morality and justice. The course also explores the 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.

Prerequisites & Notes

Prerequisites for this course are CRJ 1010. This course is offered every spring.

Credits: 3

CRJ 2510 - Criminal Law

[LGGE6] 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 & Notes

The prerequisite is CRJ 1010. This course is offered every odd numbered spring.

Credits: 3

CRJ 3120 - White-Collar Crime

This course is an exploration of work-related violations of criminal and regulatory law. Topics considered include employee theft and misconduct, "crimes 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 & Notes

Prerequisites for this course are CRJ 1010. This course is offered every even spring.

Credits: 3

CRJ 3160 - Juvenile Justice

This course is an examination of the procedures used in dealing with juveniles who come into conflict with the law. Course includes critical appraisal of the history and role of the juvenile courts and assessment of correctional strategies currently in use to treat juvenile offenders

Prerequisites & Notes

The prerequisites for this course are CRJ 1010. This course is offered every odd spring.

Credits: 3

CRJ 3210 - Punishment and Corrections

[LGGE6] 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.

Prerequisites & Notes

This course is offered on an occasional basis.

Credits: 3

CRJ 3220 - International Criminal Justice

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, and 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 & Notes

The prerequisite is CRJ-1010 or permission. This course is offered every other year.

Credits: 3

CRJ 4110 - Issues in Criminal Justice

This course examines a wide array of issues in the field of criminal justice, exploring themes and topics related to past and present criminology and representing a variety of academic disciplines. Specific issues that might be explored in any given semester include: "The History of Drug Culture in the U.S.," "International Criminology," "Sex Trafficking," and "Terrorism." This course may be repeated with a change of issue or theme but may be counted only once toward program requirements.

Prerequisites & Notes

The prerequisite is CRJ 1010 or permission. This course is offered occasionally.

Credits: 3

CRJ 4710 - Special Topics in Criminal Justice

This course is a survey of significant topics relating to the analysis of crime and its correction in modern societies. It will be offered to utilize the research specializations of faculty and provide students with an opportunity to study topics not covered in depth in other courses. Examples of special topics are the drug war, police accountability, crime and media imagery, the history of crime in America, and white collar crime.

Credits: 3

CRJ 4810 - Criminal Justice Internship

This course combines 50 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 minors the opportunity to do 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 & Notes

The prerequisites are SOC 1010, CJR 1010, CRJ 2010, junior or senior standing, and permission of the instructor. A signed contract is required at the time of registration. Students may take the course for up to six credits, but only three may be counted for the minor.

Credits: 1-6

Design

DES 1015 - Typography

This course offers a study of the design and use of basic letterforms. The instruction includes such topics as typographic contrast, and major type families and their characteristics. 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.

Prerequisites & Notes

There is a lab fee. This course is offered every semester.

Credits: 3

DES 1020 - Design

This course offers a basic study of the elements and principles of design. Coursework provides a visual problem-solving experience that encourages creative thought and innovative approaches to working in both two- and three-dimensional design.

Prerequisites & Notes

The co-requisite is DES 1025. There is a lab fee. This course is offered every semester.

Credits: 2

DES 1025 - Image Manipulation

This course focuses on the use of the design industry's standard electronic image alteration program. The instruction consists of exercises which 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.

Prerequisites & Notes

The co-requisite is DES 1020. There is a lab fee. This course is offered every semester.

Credits: 2

DES 1035 - Digital Illustration

This course concentrates on visual principles and techniques for illustration design using the design industry's standard vector-based illustration program. The course focuses on how to visualize design concepts by manipulating type and type paths, on working with layers, editing paths, creating custom typographic treatments, using masking, and more. The course provides an opportunity for students' work to be critiqued and evaluated on both aesthetic and technical merits.

Prerequisites & Notes

The co-requisite is ART 2020. This course is offered every semester. There is a lab fee.

Credits: 2

DES 1045 - Page Layout

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 & Notes

The prerequisites are DES 1015, DES 1020, and DES 1025. There is a lab fee. This course is offered every semester.

Credits: 3

DES 2010 - Motion Graphics I

This course is an introduction to web animation software. Students will learn how to create advanced web sites using current web animation software. This is a lecture and project based course with students working individually and in teams.

Prerequisites & Notes

The prerequisite are ART 1011 ART 2020, DES 1015, DES 1020, DES 1025, and DES 1035. There is a lab fee. This course is offered every semester.

Credits: 2

DES 2015 - Web Design I

This course examines web site design and development using current software and scripting languages. They will also learn how to include interactivity into their web site designs.

Prerequisites & Notes

The prerequisites are ART 1011, ART 2020, DES 1015, DES 1020, DES 1025, and DES 1035. There is a lab fee. This course is offered every semester.

Credits: 4

DES 2030 - Fundamentals of Web Design

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.

Prerequisites & Notes

There is a lab fee. This course is offered every spring.

Credits: 3

DES 2550 - Design Seminar

This course emphasizes the key components to being a successful in the visual arts. Careers in the visual arts, ethics, professionalism, and current trends in design will be discussed. Instruction and opportunities for practical use is given in presentations, critiques, and craftsmanship.

Prerequisites & Notes

The prerequisites are ART 2020, DES 1015, DES 1020, DES 1025, and DES 1035. There is a lab fee. This course is offered every fall.

Credits: 1

DES 2950 - Design Review

This course is required for formal acceptance into a bachelor's degree within the Visual Arts Department. Students will collect, create, and/or improve upon design work and submit it for evaluation to be accepted formally into a Visual Arts Bachelor of Fine Art degree. Successful completion of this course allows the student to continue on to higher-level courses within the Visual Arts program. This is a pass/no pass course.

Prerequisites & Notes

The prerequisites are ART 2020, DES 1015, DES 1020, DES 1025, DES 1035, DES 1045, DES 2010, DES 2015, and DES 2550. There is a lab fee. This course is offered every spring.

Credits: 1

DES 3030 - e-Commerce Fundamentals

This course will create an interdisciplinary learning environment for students to collaborate with businesses in need of an e-commerce presence on the Internet. Working in teams, students will research, develop, and implement an e-commerce business plan. The content of this course may vary depending on student enrollment and business partners participating in the construction of an e-store.

Prerequisites & Notes

The prerequisites are DES 2950 and DES 3115. There is a lab fee. This course is offered every spring.

Credits: 3

DES 3110 - Motion Graphics II

This course provides the student with the ability develop animation/web design elements using current vector coding tools.

Prerequisites & Notes

The prerequisite is DES 2950. There is a lab fee. This course is offered every spring.

Credits: 3

DES 3111 - Print Production

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 & Notes

The prerequisite is DES 1045. There is a lab fee. This course is offered every semester.

Credits: 3

DES 3112 - Web Production

This course will advance the student's working knowledge of producing material for the Internet. Included but not limited to in this course will be: web file structure, rapid prototyping, image optimization, Internet Service Providers (ISP), File Transfer Protocol (FTP), domain naming, and the opportunity to design for the Internet.

Prerequisites & Notes

The prerequisite is DES 2015. There is a lab fee. This course is offered every fall.

Credits: 3

DES 3115 - Web Design II

This course will explore advanced web design. Students will be required to engage in individual and collaborative projects with a web and interactive design emphasis.

Prerequisites & Notes

The prerequisites are DES 2950 and DES 3112. There is a lab fee. This course will be offered every odd-numbered fall.

Credits: 3

DES 3150 - Package Design

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 & Notes

The prerequisites are DES 2950 and DES 3111. There is a lab fee. This course is offered every spring.

Credits: 3

DES 4010 - Branding

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 & Notes

The prerequisites are DES 2950, DES 3111, and DES 3112. There is a lab fee. The course will be offered every fall.

Credits: 3

DES 4020 - Advanced Typography

This course provides an increased study of the use of type. Students master type forms by transforming a purely simple communication into a visually powerful statement. Students also use theoretical and practical examples to 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 philosophy involved in the selection of type.

Prerequisites & Notes

The prerequisites are DES 2550, DES 2950, DES 3111, and DES 3112. There is a lab fee. The course will be offered every fall.

Credits: 3

DES 4030 - Advanced Design

This studio course provides the opportunity for the advanced student designer to practice and improve upon design skills in multiple formats.

Prerequisites & Notes

The prerequisite are DES 2950, DES 3111 and DES 3112. There is a lab fee. This course is offered every odd-numbered fall.

Credits: 3

DES 4550 - Design Studio

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 & Notes

The prerequisites are DES 2950, DES 3111, DES 3112, and Permission. NOTE: Apply with Portfolio. Repeatable one time for credit. There is a lab fee. This course is offered every spring.

Credits: 6

DES 4710 - Special Topics in Design

This course offers topics of special interest in a variety of design areas including and not limited to new media, graphic design, illustration, typography, photography and other relevant areas. Topics may be advanced undergraduate or graduate level. The course may be repeated once.

Prerequisites & Notes

The prerequisite is instructor permission. There is a lab fee.

Credits: 3

DES 4810 - Design Internship

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 & Notes

The prerequisites are DES 2950, DES 3111, DES 3112, and Permission. NOTE: Apply with Portfolio. Can be repeated for credit but may not exceed 12 credits. This course is offered every semester.

Credits: 1-6

DES 4910 - Independent Study

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 & Notes

The prerequisite is permission of instructor. The independent study contract must be approved, signed and submitted before the current semester's registration period class.

Credits: 1 to 3

DES 4950 - Design Portfolio

Structured for senior design majors, this course 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.

Prerequisites & Notes

The prerequisites are DES 4010, senior standing and instructor permission. There is a lab fee. This course is offered every spring.

Credits: 3

Economics**ECO 2060 - Survey of Economics**

[LGGE6] 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 & Notes

The prerequisite is math competency. The course is offered every semester.

Credits: 4

ECO 4710 - Topics in Economics

Topics in Economics provides students the opportunity to pursue topics of special interest in economics appropriate to the 3000-level not offered in the general Social Science curriculum.

Prerequisites & Notes

The prerequisite is junior standing and permission.

Credits: 3

ECO 4810 - Internship in Economics

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.

Prerequisites & Notes

The prerequisites are junior standing and permission.

Credits: 1 to 6

ECO 4910 - Independent Study in Economics

This course offers independent research under the supervision of a member of the department.

Prerequisites & Notes

The prerequisites are junior or senior standing and permission.

Credits: 3

ECO 4920 - Research in Economics

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.

Prerequisites & Notes

The prerequisites are junior standing and permission.

Credits: 3

Education

EDU 1030 - Introduction to Early Childhood Education

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.

Prerequisites & Notes

This course is offered every spring.

Credits: 3

EDU 1310 - Introduction to Communication Disorders for Paraeducators

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.

Credits: 1

EDU 2025 - Introduction to Secondary Education

This course introduces students to the field of secondary education with an emphasis on the licensure requirements, the Level I Teacher Licensure Portfolio, history, philosophy, current trends, and instructional technology. During this course students will take the Praxis I test, if necessary.

Prerequisites & Notes

This course is offered every fall. There is a lab fee.

Credits: 3

EDU 2120 - Development & Education of Children with Disabilities

This course addresses the concept of disability through an investigation of children with disabilities. High incidence disabilities (e.g. intellectual disabilities, learning disabilities and emotional disturbance), low incidence disabilities (e.g. vision disabilities, hearing disabilities and physical disabilities), and "increasing incidence" disabilities (e.g. autism spectrum disabilities, traumatic brain injury, and attention deficit-hyperactivity disorder) are studied from multiple perspectives: the individual, family, schools, community and society. The effects of increased awareness, greater knowledge, medical advances, improved educational practices, and changes in social values are emphasized.

Prerequisites & Notes

The prerequisites are EDU 2210 and sophomore standing, or permission. This course is offered every semester.

Credits: 3

EDU 2210 - Foundations of Education: Elementary and Special Education

This course introduces the fields of education and special education with an emphasis on history, philosophy, legislation, and current trends in education. The course introduces careers in education and the concept of teaching and learning as processes.

Prerequisites & Notes

This course is offered every semester.

Credits: 3

EDU 2220 - Introduction to Differentiated Instruction

This course provides an introduction to differentiated instruction. Students are introduced to effective instruction for children with diverse backgrounds, readiness and skill levels, interests and abilities. The course draws on best practice in teaching and learning to provide students with a variety of instructional strategies that enhance the learning of children with disabilities.

Prerequisites & Notes

The prerequisites are EDU 2120 and EDU 2210 or permission. The course is offered every fall.

Credits: 2

EDU 2230 - Supporting Students with Autism Spectrum Disorders

This course introduces students to research-based strategies that enhance the communication and behavior of children with autism. Asperger's syndrome, and related pervasive developmental disorders. Examples of such strategies are applied behavioral analysis, discrete trials, picture exchange communication, and basic sign language.

Prerequisites & Notes

The prerequisites are EDU 2120 and EDU 2210 or permission. The course is offered every spring.

Credits: 2

EDU 2250 - Models of Discipline

This course introduces the student to strategies that address children's normal, but problematic attitudes and behaviors. Discipline is presented as a quality that a teacher must possess in order to teach it to children. Students study developmentally appropriate models of discipline, and begin to develop their personal model of discipline, a process that continues in EDU 3315.

Prerequisites & Notes

This course is to be taken concurrently with EDU 2840. This course is offered every fall.

Credits: 2

EDU 2840 - Field Experience

This course assists students in evaluating their interest in careers in education. The instruction allows students an opportunity to participate in an intensive, comprehensive introduction to theory and practice. The field experience offers a significant opportunity for both observation and participation in public school classrooms.

Prerequisites & Notes

Co-requisite courses are EDU 2240, EDU 2250, EDU 3020 and EDU 3550 or instructor permission. This course is offered every fall.

Credits: 3

EDU 2850 - Practicum in Early Childhood Education

This field experience provides students an opportunity to expand their understanding of programs and curriculum for young children in a variety of early childhood settings. Students rotate through a number of different types of early childhood programs. The field work focuses on how physical space, pedagogical strategies, materials, and adult interaction influence child development. An on-campus seminar provides students with an opportunity to reflect on their experiences.

Prerequisites & Notes

The prerequisite is EDU 1030, but with the permission of the instructor, a student may take EDU 1030 and 2850 concurrently.

Credits: 3

EDU 2855 - Practicum for Paraeducators

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.

Credits: 3

EDU 3020 - Educational Psychology

Educational Psychology offers an opportunity for students to learn how psychological principles apply to teaching and learning. The course covers learning theories, motivation, effective teaching, evaluation, and instructional planning from a developmental perspective.

Prerequisites & Notes

All Elementary, Early Childhood, Special Education, and Reading Teacher majors must take EDU 2840 concurrently, unless they receive permission to take them separately. This course is offered every semester (the spring section focuses on adolescents).

Credits: 3

EDU 3070 - Secondary School Observation

This 30-hour observation in secondary school classrooms is taken concurrently with EDU 3150, and allows students to observe, record, and analyze student and teacher behavior. Only a credit/no credit grade is awarded.

Prerequisites & Notes

This course is offered every spring.

Credits: 1

EDU 3110 - Literature for Children

The instruction in this course allows students to examine reading materials for children of different age groups and reading levels. Students also select and evaluate children's books and learn effective story telling procedures.

Prerequisites & Notes

The prerequisites are EDU 3350 and EDU 3540 or permission. This course is offered every spring.

Credits: 3

EDU 3150 - Secondary Teaching Process

This course requires students to apply principles from educational psychology and adolescent development in order to write lesson plans. The instruction presents theories of classroom management and students write and analyze their own videotaped micro-teaching lessons. Portfolio development and the Vermont Framework are an integral part of the class.

Prerequisites & Notes

This course is offered every spring.

Credits: 3

EDU 3240 - Literacy Development in the Content Area

The instruction in 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.

Prerequisites & Notes

This course is offered every fall.

Credits: 3

EDU 3315 - Managing the Behavior of Individuals & Groups

In this course students continue to develop their personal models of discipline. Functional behavioral assessment and function-based interventions are introduced. Case studies and actual experiences in the junior apprenticeship or practicum for paraeducators are analyzed, and intervention plans are developed and implemented, if possible.

Prerequisites & Notes

The course must be taken concurrently with EDU 3810 or EDU-2855. The pre-requisite is EDU 2250 or permission. The course is offered every spring.

Credits: 2

EDU 3325 - Teaching Over Time: Curriculum Development

This course assists students in developing, planning, implementing, and evaluating lessons and units of instruction that are aligned with the Common Core. Coursework becomes the basis for, or is similar to, lessons and units that students will utilize in their fieldwork apprenticeship (EDU 3810) and include in their licensure portfolio for Vermont Educators. Managing time efficiently and utilizing formative assessment strategies and appropriate instructional materials/ resources are emphasized.

Prerequisites & Notes

There is a lab fee. The course is offered every spring.

Credits: 3

EDU 3350 - Language Development & the Writing Process in the Elem. Classroom

This course explores current language and writing development theory and practice with an emphasis on instructional practice. Oral language, speaking, listening and writing skills and strategies will be investigated to gain an understanding of the implications for competent teaching at the elementary level. There will be an in-depth look at the components of the writing process and current models for teaching and assessing written and oral language. Use of assessment to inform instruction will be emphasized, and links to national and state standards for student learning will be made throughout the course.

Prerequisites & Notes

This course must be taken concurrently with EDU 3810. The prerequisites are successful completion of EDU 2210, EDU 2840, and EDU 3020 with a passing grade of C- or better, or permission. This course is offered every spring.

Credits: 3

EDU 3510 - Differentiating Instruction, Assessment & Spec Ed Law

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 & Notes

The course must be taken concurrently with EDU 3810. Students take the Praxis II test as a program requirement. There is a lab fee. The course is offered every fall.

Credits: 3

EDU 3520 - Mathematics Methods

Mathematics Methods studies the instructional strategies, curriculum methods, and resources used in teaching mathematics. Curriculum standards developed by the National Council of the Teachers of Mathematics are studied and practiced.

Prerequisites & Notes

The prerequisites are successful completion of EDU 2210, EDU 2840, and EDU 3020 with a passing grade of C- or better, or permission. Students take the Praxis I test as a program requirement. There is a lab fee. This course is offered every spring.

Credits: 2

EDU 3530 - Social Science Methods

Using elementary social studies as a basis, this course 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 & Notes

The prerequisites are successful completion of EDU 2210, EDU 2840, and EDU 3020 with a passing grade of C- or better, or permission. This course is offered every spring.

Credits: 2

EDU 3540 - Reading and Literacy in the Elementary Classroom

Reading and Literacy in the Elementary Classroom is an introduction to speaking, listening, and reading skills and strategies necessary to promote reading for understanding. The course will focus on theoretical background, literacy processes, instructional practices, and materials for pre-school through upper elementary grades. Motivation to read, phonemic awareness, phonics, fluency, comprehension, and vocabulary will be investigated through the lens of current research and application to teaching, including national and state standards. Screening, diagnostic, and program assessments will be explored, linking assessment to appropriate curriculum and instruction across content areas.

Prerequisites & Notes

The prerequisites are successful completion of EDU 2210, EDU 2840, and EDU 3020 with a passing grade of C- or better, or permission. There is a lab fee. This course is offered every fall.

Credits: 3

EDU 3550 - Technology in the Classroom

This course explores the use of computers as an instructional aid in the classroom. The course allows students to use software packages, and access the Internet to locate, review and apply information.

Prerequisites & Notes

This course should be taken concurrently with EDU 2840. Course offered every fall.

Credits: 1

EDU 3560 - Science and Health Methods

The course introduces instructional procedures, curriculum methods, and resources used in teaching science and health in the elementary schools. The instruction offers a study of appropriate terminology, organizational methods, and assessment procedures.

Prerequisites & Notes

The prerequisites are successful completion of EDU 2210, EDU 2840, and EDU 3020 with a passing grade of C- or better, or permission. This course is offered every spring.

Credits: 2

EDU 3810 - Apprenticeship Fieldwork

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 & Notes

The prerequisites are EDU 2120, EDU 2210, EDU 2250, EDU 2840, EDU 3020, EDU 3325, EDU 3350, EDU 3520, EDU 3530, EDU 3540, EDU 3550, EDU 3560, acceptance to the Elementary Education major, a passing score on Praxis I, and a GPA of 2.70. Co-requisite courses are EDU 3315 and EDU 3510, or permission. There is a lab fee. This course is offered every spring.

Credits: 4

EDU 3820 - Special Education Practicum

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.

Prerequisites & Notes

This course is offered every even-numbered fall.

Credits: 3

EDU 3830 - Practicum in Early Childhood Education

This course provides students with an opportunity to develop teaching skills for working with young children. The course teaches students to integrate child development theories and pedagogical strategies into teaching practice. Students assume increasing responsibility for curriculum development, classroom management, and instruction in a single setting. An on-campus seminar provides students with an opportunity to reflect on their experiences.

Prerequisites & Notes

The prerequisites are EDU 1030 and EDU 2850. This course is offered every fall.

Credits: 3

EDU 4011 - Reading Disabilities I

This is a basic course for prospective clinicians and remedial teachers and an advanced course for prospective classroom teachers. The instruction covers the diagnosis of reading disabilities and the classification of reading problems. Experience with a variety of approaches to problems is a major consideration.

Prerequisites & Notes

The prerequisite is EDU 3350 or permission. There is a lab fee. This course is offered every fall.

Credits: 3

EDU 4012 - Reading Disabilities II

This course offers opportunities to consider actual reading problems in relation to a wide variety of diagnostic and remedial activities. The seminars include the review and development of techniques and approaches to reading problem solving. The practicum activities focus on using and evaluating materials and ideas while working with students either in the public schools or at the college reading clinic. The course may be repeated once for credit.

Prerequisites & Notes

The prerequisite is EDU 4011 or permission. This course is offered every spring.

Credits: 3

EDU 4020 - Methods for Teaching Secondary English

For students preparing to teach English in grades 7-12, this course explores teaching methods and techniques in the classroom, 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.

Prerequisites & Notes

The prerequisites are EDU 3150, Secondary Teaching Process, and EDU 3070, Secondary School Observation.

Credits: 3

EDU 4025 - Methods of Teaching Secondary Mathematics

For students preparing to teach mathematics in grades 7-12, this course explores teaching methods and techniques in the classroom, 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.

Prerequisites & Notes

The prerequisites are EDU 3150 and EDU 3070.

Credits: 3

EDU 4030 - Methods for Teaching Secondary Social Studies

For students preparing to teach social studies in grades 7-12, this course explores teaching methods and techniques in the classroom, 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.

Prerequisites & Notes

The prerequisites are EDU 3150, Secondary Teaching Process, and EDU 3070, Secondary School Observation.

Credits: 3

EDU 4040 - Methods in Teaching Secondary Science

For students preparing to teach science in grades 7-12, this course explores teaching methods and techniques in the classroom, 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.

Prerequisites & Notes

The prerequisites are EDU 3150, Secondary Teaching Process, and EDU 3070, Secondary School Observation.

Credits: 3

EDU 4050 - Teaching Students with Special Needs: Middle and Secondary Students

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.

Credits: 3

EDU 4070 - Teaching Students with Special Needs: Elementary Emphasis

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 & Notes

The prerequisites are EDU 3510 and EDU 2120, or permission. This course is offered every fall.

Credits: 3

EDU 4120 - Teaching Students with Emotional and Behavioral Disabilities

This course presents the study of methods of assessment, evaluation, and programming for children with behavioral and emotional problems that interfere with normal learning and social development. Students investigate behavior modification, biophysical, ecological, developmental, psychodynamic, and countertheoretical approaches.

Prerequisites & Notes

The prerequisites are EDU 2120, EDU 2250, and EDU 3315, or permission. This course is offered every fall.

Credits: 3

EDU 4250 - e-Portfolio Development

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.

Prerequisites & Notes

The course is to be taken concurrently with EDU-4811. The course is offered every semester.

Credits: 1

EDU 4450 - Assessment of Exceptional Students

Assessment of Exceptional Students provides instruction in administration, scoring and interpreting tests commonly used to identify students as learning disabled, behavior disordered, or learning impaired. The Woodcock-Johnson Psychoeducational Battery, Adaptive Behavior Scale, Test of Language Development, Test of Written Language, the Instructional Environmental Scale, Clinical Evaluation of Language Functioning, and Behavior Rating Scales are among the tests that are studied in depth. The course focuses on both federal regulations, and Vermont guidelines and procedures for identifying children with learning disabilities, emotional disturbances, and learning impairments.

Prerequisites & Notes

The prerequisites are EDU 2120 and junior standing. This course is offered every spring.

Credits: 3

EDU 4710 - Topics in Education

This course offers students the opportunity to concentrate on topics not covered in the current Education curriculum.

Prerequisites & Notes

The prerequisite is junior standing or permission. This course may be repeated.

Credits: 3

EDU 4730 - Student Teaching Seminar

Students take this course concurrently with student teaching and work on the requirements of professional competencies. Students research and present issues in education as they relate to the student teaching experience.

Prerequisites & Notes

This course must be taken concurrently with EDU-4250 and EDU-4811. This course is offered every semester.

Credits: 2

EDU 4811 - Teaching Elementary Education

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.

Prerequisites & Notes

The prerequisites are EDU 3810, a passing score on the Praxis I and II standardized test, at least a "C" in required education courses, and a "B" average as defined by the State of Vermont. This course is offered every semester. This course may be repeated only with the permission of the Education Department.

Credits: 12

EDU 4850 - Secondary Student Teaching

This practicum 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 & Notes

The prerequisites are completion of EDU 4020, 4025, 4030 or 4040; a GPA of 3.0; passing scores in both Praxis I and Praxis II. This course is offered every semester.

Credits: 7 to 12

EDU 4880 - Teaching Special Education

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.

Prerequisites & Notes

The prerequisites are EDU 3810, a passing score on the Praxis I and II standardized test, at least a "C" in required education courses, and a "B" average as defined by the State of Vermont. This course is offered every semester. This course may be repeated only with the permission of the Education Department.

Credits: 12

EDU 4910 - Independent Study in Education

Independent Study in Education gives the more mature student an opportunity to work on a well-formulated problem of special interest.

Prerequisites & Notes

This is an elective offered by permission of the department.

Credits: 1 to 4

Electronic Journalism Arts

EJA 1010 - Introduction to Media Communication

[LGSS1] This course provides a broad-based introduction to the field of mass media communication. It includes basic analysis of the pervasive, manipulative, and influential nature of contemporary media communication. Students observe contemporary media and read criticism. Audio/visual materials supplement required readings.

Prerequisites & Notes

The prerequisite or co-requisite is ENG 1051. There is a lab fee. This course is offered every semester.

Credits: 3

EJA 1020 - Communications Technology

This introductory course covers basic theory and utilization of video production equipment and focuses on skills in studio and field equipment, lighting, and audio. Students are expected to acquire knowledge of industry standards for video production. Students also study the technologies associated with utilizing video in formats such as web and podcasting. The instruction includes a series of in-class laboratory sessions, which develop basic hands-on competencies.

Prerequisites & Notes

There is a lab fee. This course is offered every semester.

Credits: 3

EJA 1221 - Person to Person

A journalist's most basic tool is the ability to successfully interact with news sources face-to-face while observing and evaluating the source's information. This introductory course focuses on teaching journalism majors the basics of non-verbal communication, professionalism, and how to present themselves publicly, which includes appropriate speaking and social skills including E-mail and cell phone etiquette. A dress code will be enforced, extensive group work is mandatory, and students are required to participate in video lab exercises and evaluate each other's work.

Prerequisites & Notes

Writing competency at the level of ENG 1051 is expected. There is a lab fee. This course is offered every semester.

Credits: 3

EJA 2040 - Journalistic Writing I

This writing-intensive course teaches the basics of news writing for print, online and broadcast media. Instruction covers journalistic style, grammar, interviewing techniques, and news values.

Prerequisites & Notes

The prerequisite is ENG 1051. There is a lab fee. This class is offered every semester.

Credits: 3

EJA 2050 - Digital Image Acquisition

This course teaches digital field-acquisition techniques for both still and video imaging. Particular emphasis will be placed on the importance of visual literacy and storytelling techniques while utilizing both digital media. Students will explore exposure control, focal length selection, and visual point of view, as well as file format choices and field acquisition equipment options. Students will develop techniques related to photographic event illustration as well as sequential shooting. Additionally, students will learn basic tungsten lighting and electronic flash usage.

Prerequisites & Notes

The prerequisite is EJA 1020 , and the co-requisite is EJA 2051. There is a lab fee. This course is offered every semester.

Credits: 3

EJA 2051 - Aesthetics in Editing

This course is designed to be an exploration of image-editing styles and techniques for stills and video. Through the examination of the editing process, students will learn how to develop and enhance their visual communication skills. Course highlights include basic editing principles, exploration of enhanced sound for video, interpreting and establishing story pace, introduction to news-style editing techniques, incorporation of visual sequences for effective storytelling, integration and presentation of digital and graphic imagery, and understanding the use of transitions and effects.

Prerequisites & Notes

The prerequisite is EJA 1020, and the co-requisite is EJA 2050. There is a lab fee. This course is offered every semester

Credits: 3

EJA 2130 - Local News Gathering

This course introduces the skills of gathering and writing news for multiple platforms. Anchored to the specific geographic coverage area of the Vermont Center for Community Journalism, the instruction explores such topics as identifying stories and sources, the interviewing process, back-grounding, computer assisted and other basic news reporting & producing techniques that apply no matter the location.

Prerequisites & Notes

The prerequisites are ENG 1052, EJA 1010, EJA 1020 and ENG 2040, or permission. There is a lab fee. This course is offered every semester.

Credits: 3

EJA 2135 - Studio Production

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 & Notes

The prerequisites are ENG 1051, EJA 1010, EJA 1020, and EJA 1221. There is a lab fee. This course is offered every semester.

Credits: 3

EJA 2145 - Art of the Interview

This course prepares student journalists to ask direct and probing questions based on solid research. Students will practice audio and video recording techniques as they conduct interviews designed to educate and engage audiences. They will conduct interviews of a set duration and learn the art of editing sustained conversations into audio stories according to industry-standard

protocols and of pulling salient quotes from interviews for news stories.

Prerequisites & Notes

The prerequisites are EJA 1221, EJA 2130 or by permission. There is a lab fee. This course is offered every semester.

Credits: 3

EJA 2160 - History of Journalism

[LGPP5] 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 examine the way journalists have influenced the way readers, listeners, and viewers respond to life-changing events on the national stage and in their local 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 & Notes

The prerequisite is ENG 1052. This course is offered every spring.

Credits: 3

EJA 2810 - VCCJ Practicum I - Editorial

This course provides an introductory practicum in the Vermont Center for Community Journalism for EJA students pursuing the Editorial Focus as well for ATM students in the broadcast concentration. Students work “part-time” in the Vermont Center for Community Journalism as writers and reporters for the News 7 broadcast and NewsLINC website. Approximately 12 to 15 hours per week in the VCCJ newsroom are required.

Prerequisites & Notes

The prerequisites are EJA 2130 and EJA 2135, and the co-requisite is EJA 2843. There is a lab fee. This course is offered every semester.

Credits: 3

EJA 2820 - VCCJ Practicum I - News 7 Production

This course provides an introductory technical practicum in LSC-TV News 7 for students pursuing the EJA Visual Focus. Students support News 7 broadcasts as camera, audio, and video playback operators. Approximately 12 to 15 hours per week are required.

Prerequisites & Notes

The prerequisites are EJA 2130 and EJA 2135, and the co-requisite is EJA 2843. There is a lab fee. This course is offered every semester.

Credits: 3

EJA 2825 - VCCJ Practicum I - Print & Digital Journalism

This course provides an introductory practicum in the Vermont Center for Community Journalism for students pursuing the Print and Digital Focus. Students work for the magazine-style e-publication, NewsINK, and contribute to the NewsLINC website. Instruction covers writing and reporting in a multiplatform environment, along with graphic design components of publication. Approximately 12 to 15 hours per week in the VCCJ newsroom are required.

Prerequisites & Notes

The prerequisites are EJA 2130 and EJA 2135, and the corequisite is EJA 2843. There is a lab fee. This course is offered every semester.

Credits: 3

EJA 2828 - VCCJ Practicum I - Met

This course expands the electronic reporting skills of Broadcast Meteorology students beyond the current NewsLINC weather forecast blog and studio video recording done as part of EJA 2843. Students work in the Vermont Center for Community Journalism as a “one-person band,” or multimedia journalist for the News 7 broadcast, and the NewsLINC website. Approximately 5 to 10 hours per week in the VCCJ newsroom are required depending on course credit selection. Field production appearance and demeanor is as prescribed by the faculty of record.

Prerequisites & Notes

The prerequisites are EJA 2050, EJA 2051, and EJA 2130. There is a lab fee. This course may be repeated twice and is offered every semester.

Credits: 1-2

EJA 2830 - Sophomore Internship/Co-Op

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, applications forms, and procedural details. See also the section on cooperative education elsewhere in this catalog. All students applying for co-op placements in EJA must receive departmental approval of the co-op placement and plan. Students must have achieved a 3.0 GPA in a specific VCCJ option.

Prerequisites & Notes

The prerequisites are sophomore standing and EJA 2810 for editorial or EJA 2820 for visual or EJA 2825 for publication.

Credits: 1 to 6

EJA 2843 - Performance and Presentation I

This course is for students in the entry-level practicum of the Vermont Center for Community Journalism and expands on the interpersonal communications aspects mastered in EJA 1221. Students are expected to start developing their own unique professional style that will be vital to their success in a modern multiplatform newsroom. Instruction will be tailored to improving their expository speaking skills, ability to interact with colleagues and the public. The importance of wardrobe and making a solid first impression within the community will also be focused on. On-camera skills include speech and voice-over, body positioning as well as developing a conversational style that will be useful in gathering and reporting news in a multiplatform environment.

Prerequisites & Notes

The prerequisite is EJA 1221. EJA majors in EJA 2810, EJA 2820, or EJA 2825 must take this course concurrently. For ATM majors, the co-requisite is ATM 3331 or ATM 3332. There is a lab fee. This course may be repeated once. This course is offered every semester.

Credits: 3

EJA 3030 - Law and Regulation

This course traces the evolution of law and regulation affecting producers and consumers of news media beginning with the First Amendment. Readings combine theory with case studies. Classroom moot court sessions deepen understanding of landmark decisions. Students follow current Supreme Court cases as they unfold and explore the changing landscape of internet law and FCC rulings.

Prerequisites & Notes

The prerequisite is EJA 2130 or permission. There is a lab fee. This course is offered every fall semester.

Credits: 3

EJA 3040 - Journalistic Writing II

This course teaches in-depth story formats and advanced news writing skills for print, online and broadcast media. Instruction includes training in news research, and editing across journalistic platforms.

Prerequisites & Notes

The prerequisite is EJA 2040. There is a lab fee. This class is offered every semester.

Credits: 3

EJA 3222 - Performance and Presentation II

This course is for EJA students assigned to their second practicum at the Vermont Center for Community Journalism working as cross-platform journalists. Instruction will be tailored to expand on the interpersonal communication and story-telling skills mastered in EJA 2843. Students will continue to work towards a solid understanding of the importance of professional interaction with field contacts, the general public, and their colleagues. Students will be given training opportunities, both individually and within group sessions, in the preparation and execution of field interviews and standups, as well as in extemporaneous speaking during live webcasts and broadcasts. On-camera wardrobe and appearance are prescribed by instructors. Qualified students will be selected by VCCJ and ATM faculty/staff from auditions in the previous semester or by special arrangement for transfer students.

Prerequisites & Notes

The prerequisite is EJA 2843 and permission. For EJA majors, the co-requisite is EJA 3810. For ATM majors, the co-requisite is ATM 4010. There is a lab fee. This course may be repeated once. This course is offered every semester.

Credits: 3

EJA 3810 - VCCJ Practicum II: Reporting

In this course, students work in the Vermont Center for Community Journalism as reporters. Approximately 12-15 hours per week in the VCCJ newsroom are required. Field production appearance and demeanor are prescribed by the faculty of record.

Prerequisites & Notes

The co-requisite is EJA 3222 or permission. Students must also take EJA 3811, EJA 3812, or EJA 3813 concurrently. The prerequisite is EJA 2810, EJA 2820, or EJA 2825. There is a lab fee. This course is offered every semester.

Credits: 3

EJA 3811 - VCCJ Practicum II: Visual

In this course, students work in the Vermont Center for Community Journalism as visual journalists for the nightly newscasts. Approximately 12-15 hours per week in the VCCJ newsroom are required. Visual journalists operate primarily on the "nightside" of the news day. However, they may occasionally be assigned an additional "dayside" assignment. Field production appearance and demeanor are prescribed by the faculty of record.

Prerequisites & Notes

The co-requisite is EJA 3222 or permission. Students must also take EJA 3810, EJA 3812, or EJA 3813 concurrently. The prerequisite is EJA 2810, EJA 2820, or EJA 2825. There is a lab fee. This course is offered every semester.

Credits: 3

EJA 3812 - VCCJ Practicum II: NewsLINC

In this course, students work in the Vermont Center for Community Journalism as content providers for the NewsLINC website. In addition to classroom work, approximately 5 hours per week in the VCCJ newsroom are required. NewsLINC writers operate primarily during "dayside" hours. Field production appearance and demeanor are prescribed by the faculty of record.

Prerequisites & Notes

The co-requisite is EJA 3222 or permission. Students must also take EJA 3810, EJA 3811, or EJA 3813 concurrently, except when repeating. The prerequisite is EJA 2810, EJA 2820, or EJA 2825. This course may be repeated once for credit. There is a lab fee. This course is offered every semester.

Credits: 3

EJA 3813 - VCCJ Practicum II: VJ

In this course, students work in the Vermont Center for Community Journalism as video journalists for the nightly newscasts. In addition to classroom work, approximately 5-10 hours per week in the VCCJ newsroom are required. Video journalists operate primarily on the "nightside" of the news day. However, they may occasionally be assigned an additional "dayside" assignment. Field production appearance and demeanor are prescribed by the faculty of record.

Prerequisites & Notes

The co-requisite is EJA 3222 or permission. Students must also take EJA 3810, EJA 3811, or EJA 3812 concurrently, except when repeating. The prerequisite is EJA 2810, EJA 2820, or EJA 2825. This course may be repeated once for credit. There is a lab fee. This course is offered every semester.

Credits: 3

EJA 3820 - Junior Internship/Co-op

This course enables students of good standing and achievement in the third 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 form, and procedural details. See also the section on cooperative education elsewhere in this catalog. All students applying for co-op placements in EJA must receive departmental approval of the co-op placement and plan. Students must have achieved a 3.0 GPA in a specific EJA option.

Prerequisites & Notes

The prerequisites are sophomore standing and EJA 3810.

Credits: 1 to 6

EJA 4020 - Issues and Ethics

The instruction explores the role of community journalism in current national and international affairs, and the ethical dilemmas faced by practitioners. It examines the role of conflict, and the influence economics, technology and other industry elements have on the news reporting process.

Prerequisites & Notes

The prerequisite is junior standing or permission. This course is offered every fall.

Credits: 3

EJA 4100 - Web Producing - Content Management

This course focuses on the web producing process as it pertains to journalism. Students will be actively involved in producing content and maintaining NewsLINC, our e-journalism platform. Basic HTML language, content management, and video for web elements are all part of this course.

Prerequisites & Notes

The prerequisite is EJA 3810. There is a lab fee. This course is offered every semester.

Credits: 3

EJA 4222 - Performance and Presentation III

This performance practicum is designed for EJA students assigned to Vermont Center for Community Journalism in their third practicum. Students will be individually assessed and instruction tailored to expand on the interpersonal communication and story-telling skills mastered in EJA 3222. Students will work towards utilizing their interpersonal communication skills to make solid contacts in the field and to work well as a professional news team with peers.

Prerequisites & Notes

The prerequisite is EJA 3222. There is a lab fee. This course may be repeated once. This course is offered every semester. .

Credits: 2

EJA 4720 - Senior Seminar

This seminar provides advanced small group learning and exploration in an area of the Vermont Center for Community Journalism program for ambitious students. 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.

Prerequisites & Notes

The prerequisite is senior standing or instructor permission. The course may be repeated once and may require a lab fee.

Credits: 1 to 3

EJA 4810 - VCCJ Practicum III - Editorial

This practicum is for all interns at the Vermont Center for Community Journalism assigned as reporters, photographers, editors, anchors, or producers at the Center's News 7 broadcast, NewsLINC website, and VCCJ print publication platforms. A minimum of 35 hours per week of on-site work at the VCCJ is required. The course requires a prescribed wardrobe. This course must be taken concurrently with EJA 4100 and EJA 4222.

Prerequisites & Notes

The prerequisites are EJA 3810, EJA 3222, and permission of all instructors. There is a lab fee. This course is offered every semester.

Credits: 6

EJA 4820 - VCCJ Practicum III - Visual

This senior-level practicum is for all EJA students with a Visual Focus. Students who enroll in the practicum may also serve as technical directors and/or line directors for News 7 broadcasts. At least 35 hours per week of on-site work at the Vermont Center for Community Journalism broadcast facility are required. Field-production appearance and demeanor are as prescribed by the faculty of record. This course may be repeated once.

Prerequisites & Notes

The prerequisites are EJA 3810, EJA 3222, and permission of all instructors. The co-requisite is EJA 4222. There is a lab fee. This course is offered every semester

Credits: 6

EJA 4822 - Performance and Presentation IV

This performance practicum is designed for students in the EJA Convergence Portfolio courses within the Vermont Center for Community Journalism. Students will be individually assessed and instruction tailored to further polish the interpersonal communication, story-telling, and extemporaneous skills mastered in EJA 4222. Student work will culminate in resume, demo-reel, and portfolio materials to utilize for job application upon successful completion of degree requirements.

Prerequisites & Notes

There is a lab fee. This course may be repeated once. This course is offered every semester.

Credits: 2

EJA 4830 - VCCJ Practicum III - Print & Digital Journalism

Students in this practicum work and oversee the publication of NewsINK, the electronic magazine of the Vermont Center for Community Journalism. Emphasis is placed on gaining day-to-day practical knowledge of reporting, writing, and other journalistic skills under deadline pressure. At least 35 hours per week of on-site work at the VCCJ are required. The course requires a prescribed wardrobe.

Prerequisites & Notes

The prerequisites are EJA 2825 and EJA 3810. There is a lab fee. This course is offered every semester.

Credits: 6

EJA 4840 - Senior Internship

This course enables students of advanced standing and achievement the opportunity 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. All students applying for co-op placements in EJA must receive departmental approval of the co-op placement and plan.

Prerequisites & Notes

VCCJ students applying for co-op placement must have successfully completed EJA 3810.

Credits: 1 to 6

EJA 4850 - eJ Convergence Portfolio - I-Team

This portfolio course applies investigative-reporting techniques to the online (converged) newsroom environment of the Vermont Center for Community Journalism. 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 & Notes

The prerequisites are EJA 4810 and EJA 4222 or permission. This course must be taken concurrently with EJA 4822. The course may be taken concurrently with EJA 4810 by permission only. There is a lab fee. This course is offered every spring.

Credits: 3

EJA 4851 - eJ Convergence Portfolio - Photojournalism

This portfolio 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. Students enrolled in this class may also work with other students enrolled in the I-Team and/or ENG 4030 publication section of the class.

Prerequisites & Notes

This course is offered every spring.

Credits: 3

EJA 4852 - NewsLINC Special Projects

This course expands upon the VCCJ Practicum III, allowing students to focus on e-journalism. Students work for NewsLINC, the e-journalism platform, producing web-only content and anchoring (with permission) web only segments. Approximately 10-15 hours per week in NewsLINC is required.

Prerequisites & Notes

This course is by permission only. There is a lab fee. This course is offered every semester.

Credits: 3

EJA 4853 - Print & Digital Journalism Portfolio

This course serves as an opportunity for students to demonstrate their level of competency and depth of understanding. Students produce a portfolio and/or to develop a senior-level project incorporating their mastery of Print and Digital Journalism techniques. This work will be published on the platforms of the Vermont Center for Community Journalism and may be part of in-depth coverage coordinated with students in the other EJA Convergence Portfolio courses (I-Team, Photojournalism, and NewsLINC Special Projects).

Prerequisites & Notes

The prerequisite is EJA 4830. This course is offered every semester.

Credits: 3

EJA 4900 - Special Studies in Community Journalism

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.

Prerequisites & Notes

The prerequisite is permission. There is a lab fee. This course is offered every spring.

Credits: 1 to 6

English**ENG 0030 - Basic Reading and Writing**

This course is designed to meet the needs of incoming students whose tested reading and writing abilities fall short of a standard needed to complete college-level work. The course covers study skills including 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 prepare students to write on a college level. Students receive individual help in order to master the conventions of standard English. 3 hours of lecture, 1 hour of laboratory per week. *Credit hours are listed for scheduling purposes only; the course does not confer credit toward graduation.

Prerequisites & Notes

This course is offered every semester.

Credits: 4

ENG 0035 - Reading and Writing Laboratory

This course is designed to support students whose tested reading and writing abilities fall short of a standard needed to complete college-level work while they are concurrently enrolled in a first-year writing course. The course provides individualized and/or small group instruction in planning, writing, and editing strategies, as well as various strategies for reading effectively, such as skimming, previewing, annotation, and review. 2 hours of laboratory per week. *Credit hours are listed for scheduling purposes only; the course does not confer credit toward graduation.

Prerequisites & Notes

The co-requisite is ENG 1051. This course is offered every semester.

Credits: 2

ENG 1051 - Introduction to College Writing

This writing course introduces students to the study of language fundamentals and provides practice in organizing and writing paragraphs and short essays. While emphasizing sentence structure, grammar, diction, and punctuation, this course also provides

instruction in collecting or researching information, developing a thesis, and organizing the material into a coherent whole. Competency may be fulfilled by exam.

Prerequisites & Notes

This course is offered every semester.

Credits: 3

ENG 1052 - Exposition and Analysis

This writing course provides an opportunity for study and practice in the principles of rhetoric, evidence, analysis, exposition, and argument as the basis of college-level writing. Students will be expected to analyze source material from across the disciplines. The course includes a review of grammar and research process.

Prerequisites & Notes

The prerequisite is ENG 1051 or placement. This course is offered every semester.

Credits: 3

ENG 1080 - Expository Speaking

Expository Speaking provides the theory and practice of formal speaking for public gatherings or for specialized events. The course includes oral presentations of information in clear, precise form for a variety of circumstances and purposes. The instruction focuses on research, writing, and presentation skills for the speaking event.

Prerequisites & Notes

The prerequisite or co-requisite is ENG 1051. This course is offered every semester.

Credits: 3

ENG 1310 - Introduction to Literature

[LGWL2] This introductory class consists of the study of short stories, poetry, drama, and nonfiction and requires frequent student compositions. It develops the ability to read perceptively and to write effectively about literature.

Prerequisites & Notes

This course is offered every semester.

Credits: 3

ENG 2020 - Understanding the Writing Process

This course provides a close study of the writing process and extensive practice in each of its component parts: pre-writing, composition, revision, and editing. The instruction offers students an opportunity to practice a variety of modes of writing.

Prerequisites & Notes

The prerequisite is ENG 1052 or permission. The course is required for English Secondary Education Licensure. This course is offered every semester.

Credits: 3

ENG 2040 - Journalistic Writing

This writing-intensive course teaches the basics of news writing and editing for print, broadcast, and online media with emphasis on weblog creation, research, presentation, and citation. Weekly assignments include commentary, analysis, and multimedia news stories adhering to Associated Press style. Instruction covers story formats across platforms, journalistic style and grammar, interviewing techniques, and news values.

Prerequisites & Notes

The prerequisite is ENG 1051. There is a lab fee. This class is offered every semester.

Credits: 3

ENG 2060 - Technical Writing

This course introduces the principles of technical communication by stressing clear, correct writing of technical reports, manuals, correspondence, memos, proposals, articles, instructions, job descriptions, and specifications.

Prerequisites & Notes

The prerequisite is ENG 1052 or permission. This course is offered every spring.

Credits: 3

ENG 2130 - Introduction to Writing Poetry

[LGAD3] 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 & Notes

The prerequisite is ENG 1052 or permission. This course is offered every fall.

Credits: 3

ENG 2140 - Introduction to Writing Fiction

[LGAD3] 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 & Notes

The prerequisite is ENG 1052 or permission. This course is offered every spring.

Credits: 3

ENG 2155 - Introduction to Multimedia Storytelling

[LGAD3] This course explores the theory and practice of reporting 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 & Notes

The prerequisite is ENG 1052 or permission. There is a lab fee. This course is offered every semester.

Credits: 3

ENG 2240 - Greek and Roman Classics

[LGCC4] This course examines (in translation) classical texts such as Homer's *Iliad* and *Odyssey*, Virgil's *Aeneid*, and selected Greek tragedies as works of art, as products of a specific culture, as sources and archetypes of our literary tradition, and as expressions of a mythology that has informed and shaped western consciousness and its values.

Prerequisites & Notes

The prerequisite is ENG 1052 or permission. This course is offered every fall.

Credits: 3

ENG 2250 - Critical Approaches

[LGWL2] This course provides an introduction to methods of critical analysis of narrative and other forms of storytelling, textual and visual. 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, deconstruction, feminist and gender theory, new historicism, psychoanalytic approaches, semiotics, film theory, and cultural criticism. Students will learn how these theories can be applied to specific genres, texts, and media.

Prerequisites & Notes

The prerequisite is ENG 1052. This course is required for English Secondary Education Licensure. This course is offered every fall.

Credits: 3

ENG 2290 - Survey of British Literature and Culture

[LGWL2] 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 & Notes

The prerequisite is ENG 1052 or permission. This course is required for English Secondary Education Licensure. This course is offered every spring.

Credits: 3

ENG 2325 - Survey of American Literature and Culture

[LGWL2] This course explores the roots and transformations of American literature and culture from the pre-Colonial period to the twentieth century through representative major figures such as Bradford, Franklin, Poe, Hawthorne, and Dickinson, as well as the poetry and short fiction of the twentieth century.

Prerequisites & Notes

The prerequisite is ENG 1052 or permission. This course is required for English Secondary Education Licensure. This course is offered every spring.

Credits: 3

ENG 2390 - Survey of World Literature: Explorations

[LGCC4] Focusing primarily but not exclusively on the modern era, this course 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 & Notes

The prerequisite is ENG 1052 or permission. This course is required for English Secondary Education Licensure. This course is offered every spring.

Credits: 3

ENG 2410 - Mystery and Detective Fiction

[LGWL2] This course will explore the genre of mystery and detective fiction from its roots in the nineteenth century to its contemporary development. British and American texts, representing the development of a variety of subgenres within the larger genre, will be considered both from the aesthetic perspective of themes, styles, and forms and in terms of their historical, social, intellectual, and cultural contexts.

Prerequisites & Notes

The prerequisite is ENG 1052. The course is offered every odd-numbered spring.

Credits: 3

ENG 2480 - Survey of Literary Non-Fiction

[LGWL2] A survey of the forms of non-fiction in various historical periods, this course emphasizes examples of literary non-fiction such as biography, personal narrative, new journalism, essay, straight journalism, and humor.

Prerequisites & Notes

The prerequisite is ENG 1052 or permission. This course is offered every fall.

Credits: 3

ENG 2540 - Global English: Forms, Roles & Issues

[LGCC4] 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 & Notes

The prerequisite is ENG 1052 or permission. The course is required for English Secondary Education Licensure. The course is offered every spring.

Credits: 3

ENG 2710 - Topics in English

This course provides students the opportunity to pursue topics appropriate to the 2000-level not offered in the general English curriculum.

Prerequisites & Notes

The prerequisite is ENG 1052 or permission.

Credits: 3

ENG 3010 - Advanced Composition and Rhetoric

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 & Notes

The prerequisite is ENG 1052 or permission. There is a lab fee. This course is offered every spring.

Credits: 3

ENG 3080 - Strategic Media Communications

This writing-intensive course introduces the principles and practice of public relations and advertising in a multimedia environment. The instruction covers the history of public relations and advertising and explores the role of strategic communications in society. The course offers practical experience in the techniques of writing news releases and advertising messages for print, broadcast, and online.

Prerequisites & Notes

The prerequisite is ENG 1052 or permission; ENG 2040 is strongly recommended for Media Communications majors. There is a lab fee. This course is offered every spring.

Credits: 3

ENG 3110 - Creative Writing Workshop

[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 with permission but may count only once toward program requirements.

Prerequisites & Notes

There is a lab fee. The prerequisite is ENG 2130 or ENG 2140 or permission. This course is offered every fall.

Credits: 3

ENG 3135 - Writing Lyric: Form and Theory

[LGAD3] This course examines various theories, both ancient and modern, of how lyric poetry works to convey an emotion. The class will study lyrical moments, not only in poetry and song, but also in fiction, film, drama, essays, and photography. Students will also write lyrical pieces of their own and workshop them in class.

Prerequisites & Notes

The prerequisite is ENG 2130 or ENG 2140 or ENG 2155. This course is offered every even-numbered spring.

Credits: 3

ENG 3145 - Writing Narrative: Form and Theory

[LGAD3] This course examines various theories of how narrative structure works to convey meaning and make sense of the world. The class will study a range of narratives from fiction and poetry to history and clinical case studies. Students will also write narratives of their own and workshop them in class.

Prerequisites & Notes

The prerequisite is ENG 2130 or ENG 2140 or ENG 2155. This course is offered every odd-numbered spring.

Credits: 3

ENG 3240 - The Bible as Literature

[LGCC4] The Bible as Literature features the study and discussion of the principal books of the Bible, while emphasizing the complexity of the Biblical text as literature, including the historical shaping of the canon, its literary traditions, languages, symbols, myths, and narrative forms.

Prerequisites & Notes

The prerequisite is ENG 1052 or permission. This course is offered every even-numbered fall.

Credits: 3

ENG 3250 - Myths and Mythologies

[LGCC4] This course explores myths and legends as manifestations and articulations of the cultures out of which they arise. The language and conceptual structures of these forms of cultural expression will be considered in terms of the ways in which the human imagination configures meaning and of the ways that "stories" articulate and reshape cultural beliefs, norms, and expectations. While the primary focus of the course will be classical mythology and the western tradition, we will also consider material from the African, Near Eastern, Native American, and Asian traditions.

Prerequisites & Notes

The prerequisite is ENG 1052 or permission. This course is offered every odd-numbered fall.

Credits: 3

ENG 3255 - Folklore, Fairytales, and Children's Literature

[LGWL2] This course explores folklore, fairytales, and children's literature both as a developmental process and as manifestations and articulations of the cultures out of which they arise. These forms of cultural expression and their interconnections will be considered in terms of the ways in which the human imagination configures meaning and of the ways that "stories" articulate and reshape cultural beliefs, norms, and expectations. The primary focus of the course will be the western tradition, but the folklore in particular of other traditions and cultures will be considered as well.

Prerequisites & Notes

The prerequisite is ENG 1052 or permission. This course is offered every even-numbered spring.

Credits: 3

ENG 3330 - The Novel in England

The instruction considers—both critically and historically—the tradition of the novel in England from the eighteenth to the twentieth century, as represented in works of major British novelists such as Defoe, Fielding, Austen, Bronte, Dickens, Eliot, Conrad, and Woolf.

Prerequisites & Notes

The prerequisite is ENG 1052 or permission.

Credits: 3

ENG 3340 - The Novel in America

This course presents the American novel as an aesthetic form worthy of close study. The instruction examines representative works of such major American novelists as Hawthorne, Melville, Twain, James, Cather, Hemingway, McCarthy, and Faulkner.

Prerequisites & Notes

The prerequisite is ENG 1052 or permission.

Credits: 3

ENG 3385 - Genre Seminar

This seminar will explore a variety of literary and cultural genres, from epic poetry to short fiction to film and electronic media. This course may be repeated with a change of genre but may be counted only once toward program requirements.

Prerequisites & Notes

The prerequisite is ENG 1052 or permission.

Credits: 3

ENG 3399 - Gender Issues in Literature and Culture

This course explores issues related to gender constructs and identities from the point of view of Literary and Cultural Studies. 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 & Notes

The prerequisite is sophomore standing.

Credits: 3

ENG 3420 - Issues in British Literature and Culture 750-1750

[LGWL2] This course examines the literature and culture of England from the Old English oral tradition to the mid eighteenth century by exploring various themes and issues. Specific themes or issues that might be explored in any given semester include: “The Subject” (tracing the rise of early modern subjectivity), “Representing Women” (representation of and by women throughout the period), and “The Globe” (Shakespeare’s theater and his world). This course may be repeated with a change of

issue or theme but may be counted only twice toward program requirements.

Prerequisites & Notes

The prerequisite is ENG 1052 or permission. ENG 2290 is recommended. This course is offered every fall.

Credits: 3

ENG 3450 - Issues in British Literature and Culture 1750-present

[LGWL2] This course examines the literature and culture of England from the beginnings of the Industrial Revolution to the present by exploring various themes and issues. Specific themes or issues that might be explored in any given semester include: "Representing Women" (representations of and by women throughout the period), "Poetry, Philosophy, Politics" (considering their intersections during the Romantic period), "Victorian Noon" (exploring the major issues of religion, science, literature, and social transformation through the focal point of Tennyson's *In Memoriam*), "Rage for Order" (Modernism's connections to fascism and its response to World Wars I and II), and "Novel Economy" (exploring the industrial novels of the nineteenth century). This course may be repeated with a change of issue or theme but may be counted only twice toward program requirements.

Prerequisites & Notes

The prerequisite is ENG 1052 or permission. ENG 2290 is recommended. This course is offered every spring.

Credits: 3

ENG 3540 - Writing for Teachers

This course introduces the different types of writing that both students and teachers are expected to do in Vermont preK to 12 schools and puts them in the context of basic theories and practices current in literacy instruction. The course covers functions, purposes, and processes of writing, and offers students practice in creating and editing, as well as responding to writers and identifying standard written English conventions.

Prerequisites & Notes

The prerequisite is ENG 1052. This course is offered every fall.

Credits: 3

ENG 3710 - Topics in English

This course provides students the opportunity to pursue topics appropriate to the 3000-level not offered in the general English curriculum.

Prerequisites & Notes

The prerequisite is ENG 1052 or permission.

Credits: 3

ENG 3811 - Professional Experience

This experiential course includes supervised educational and professional activity at a conference, symposium, workshop, or related event relevant to the Journalism & Writing or the Literature & Cultural Studies concentrations. This course may be repeated when no duplication of experience results.

Prerequisites & Notes

The prerequisite is permission. There is a lab fee.

Credits: 1

ENG 4015 - Covering Disaster

This course will provide basic content and skills to help students understand and respond to traumatic stress in work-related settings. Content will cover the effects of psychological trauma on adults and children, including risk and resilience factors, Acute and Posttraumatic Stress Disorders, and strategies for prevention and coping. The final session requires participation in a disaster drill. This course is particularly relevant for journalism, television studies, and human services majors who may be exposed to trauma themselves or deal with trauma victims in the workplace.

Prerequisites & Notes

The prerequisite is ENG 1052 or permission. There is a lab fee. This course is offered every spring.

Credits: 1

ENG 4020 - Law of the Media

Law of the Media offers a study of the rights and responsibilities imposed upon and exercised by the media under the American system of law. The course includes a discussion of FCC regulatory issues, freedom of the press, the right to know, and how those and other issues affect the media.

Prerequisites & Notes

The prerequisite is ENG 1052 or permission. This course is offered every spring.

Credits: 3

ENG 4030 - Writing and Publication Workshop

Students in the journalism workshop work on special term-length projects in many areas of print and electronic journalism. Students work on one of the campus publications, such as the student newspaper, the Critic, or the literary magazine, or may design projects of their own. Emphasis is placed on gaining day-to-day practical knowledge of reporting, writing, and other journalistic and publication skills under deadline pressure. This course may be repeated once with permission, but may count only once toward program requirements.

Prerequisites & Notes

The prerequisites are ENG 1052 and two writing courses at or above the 2000 level, or permission. There is a lab fee. This course is offered every semester.

Credits: 3

ENG 4080 - Advanced Creative Writing Workshop

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 with permission but may be counted only once toward program requirements.

Prerequisites & Notes

There is a lab fee. The prerequisite is ENG 3110 or permission. This course is offered every fall.

Credits: 3

ENG 4240 - Major Author Seminar

[LGWL2] This seminar provides the opportunity for students to explore a particular major author in depth. Authors to be considered in different semesters might include Dante, Chaucer, Shakespeare, Milton, Austen, Dickens, Melville, Twain, Yeats, James, Woolf, Stevens, Frost, Eliot, Faulkner, or Kerouac. This course may be repeated with a change of author but may be counted only once toward program requirements.

Prerequisites & Notes

The prerequisites are ENG 1052 and junior standing, or permission.

Credits: 3

ENG 4710 - Topics in English

This course provides students the opportunity to pursue topics appropriate to the 4000-level not offered in the general English curriculum.

Prerequisites & Notes

The prerequisites are ENG 1052 and junior standing, or permission.

Credits: 3

ENG 4750 - Senior Seminar

[LGWL2] This course provides students the opportunity to design a seminar topic of their own choosing. The instructor will offer a variety of possible choices, but students are encouraged to develop the topic on their own. Enrolled students will meet with the instructor before the end of the preceding semester to discuss possibilities and determine the seminar topic and texts. This course may be repeated with a change of topic but may be counted only once toward program requirements.

Prerequisites & Notes

The prerequisites are ENG 1052 and junior standing, or permission.

Credits: 3

ENG 4810 - Internship in English

The co-op in English 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 employer, and the Office of Cooperative Education. Following approval of the work experience, students are required to submit a learning contract and biweekly reports. See also the section on Cooperative Education elsewhere in this catalog.

Prerequisites & Notes

The prerequisite is permission. The internship may be taken for up to 15 credits, but only 3 may be counted toward the degree program.

Credits: 3 to 15

ENG 4820 - Media Communications Practicum

This course provides students with the experience of designing and carrying out a public relations campaign for an on-campus or off-campus client. Instruction covers the conception and execution of a media communications strategy that meets professional standards. The course allows students to work collaboratively under the direction of an instructor.

Prerequisites & Notes

The prerequisites are senior standing and instructor permission. There is a lab fee. This course is offered every spring.

Credits: 3

ENG 4830 - Media Communications Internship

This course provides students with practical experience in the application of their previous course work in the major. The internship requires arrangements for placement to be made with the supervising faculty member, faculty advisor, the employer, and the Office of Cooperative Education. The internship requires the student to submit a learning contract and biweekly reports; see also the section on Cooperative Education elsewhere in this catalog.

Prerequisites & Notes

The prerequisites are senior standing and permission. The internship may be taken for up to 15 credits, but only 3 may be counted toward the degree program.

Credits: 3-15

ENG 4900 - Independent Study in English

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 & Notes

The prerequisite is permission.

Credits: 1 to 3

ENG 4910 - Portfolio/Thesis

This course serves as an opportunity for students to demonstrate their level of competency and depth of understanding. Students meet independently with a mentoring professor to produce a portfolio and/or to develop a senior-level thesis or project.

Prerequisites & Notes

This course is offered every semester.

Credits: 3

Environmental Science

ENV 1080 - Introduction to Environmental Science

[LGNR7] Environmental science is the study of 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.

Prerequisites & Notes

There is a lab fee. This course is offered every spring.

Credits: 4

ENV 2040 - Introduction to Environmental Restoration

[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 & Notes

The prerequisite is SCI 1030. There is a lab fee. This course is offered every summer and as needed.

Credits: 4

ENV 2060 - Energy, Environment, and Society

[LGNR7] 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 PHY 2020.

Prerequisites & Notes

There is a lab fee. This course is offered every spring.

Credits: 4

ENV 2090 - Sustainable Living

[LGNR7] 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, localism, informed consumerism, and green product alternatives.

Prerequisites & Notes

There are no prerequisites.

Credits: 3

ENV 3060 - Waste Reduction and Management

Important issues concerning waste management such as landfilling, recycling, and waste reduction will be discussed. 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 & Notes

The prerequisite is junior standing. There is a lab fee. This course is offered every even-numbered fall.

Credits: 2

ENV 3070 - Environmental Site Assessment

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 & Notes

The prerequisites are CHE 1032 and PHY 2032, passed with a grade of C or higher, or permission. There is a lab fee. This course is offered every odd-numbered spring.

Credits: 2

ENV 3110 - Environmental Pollution

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 & Notes

The prerequisites are one chemistry course and MAT 1410, or permission. There is a lab fee. This course is offered every even-numbered spring.

Credits: 4

ENV 3120 - Environmental Modeling

This course is designed to introduce the 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 & Notes

The prerequisites are junior standing, and MAT 1410, passed with a grade of C or higher, or permission. There is a lab fee. This course is offered every odd-numbered fall.

Credits: 2

ENV 3140 - OSHA Safety Course

This course covers processes, techniques, and procedures that will enable students to identify, evaluate, and control hazardous situations. They will acquire the knowledge and capability to develop safety plans and select the proper materials, and equipment for hazardous situations.

Prerequisites & Notes

The prerequisite is CHE 1032. There is a lab fee. This course is offered every even-numbered spring.

Credits: 2

ENV 3180 - Ecology & Landscape History of the Green Mountains

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 & Notes

There is a lab fee. Permission is required

Credits: 4

Exercise Science

XSC 1090 - Introduction to Exercise Science

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.

Prerequisites & Notes

There is a lab fee.

Credits: 3

XSC 1255 - Fitness for Health and Performance

This course will introduce students to the health related components of fitness (muscular strength, muscular endurance, cardiorespiratory fitness, flexibility, and body composition) and the performance-related components of fitness (speed, power, agility, neuromuscular coordination, reaction time, balance, and muscular strength). Lectures and physical activity sessions will emphasize these components.

Prerequisites & Notes

There is a lab fee. This course is offered every semester.

Credits: 3

XSC 1260 - Professional Experience

This experiential course includes supervised educational and professional activity at a conference, symposium, workshop, or related physical education, exercise science, or sports medicine event. The course may be repeated when no duplication of experience results.

Prerequisites & Notes

The pre-requisite is XSC 1090. There is a lab fee.

Credits: 1 - 3

XSC 2050 - Human Gross Anatomy

[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 & Notes

This course is offered every fall. There is a lab fee. The prerequisite is BIO 1210 or BIO 1212.

Credits: 4

XSC 2055 - Human Physiology

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 & Notes

The prerequisite is XSC 2050. This course is offered spring semester. There is a lab fee.

Credits: 4

XSC 2060 - Sport and Exercise Psychology

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 & Notes

There is a lab fee. This course is offered every spring.

Credits: 3

XSC 2111 - Care and Prevention of Injuries

This course introduces the sport medicine and pedagogy students to the methods and theories of proper treatment of injuries. The practicum involves the application of preventive, supportive, and special padding techniques which are used in injury management.

Prerequisites & Notes

There is a lab fee. This course is offered every fall.

Credits: 4

XSC 2140 - Personal and Community Health

A study of the human organism in today's changing society, this course 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 & Notes

There is a lab fee. This course is offered every spring.

Credits: 3

XSC 2153 - Evaluation & Management of Lower Extremities

This course provides an in-depth study for the theories of evaluation, mechanisms of injuries, and management of specific problems commonly encountered in athletic injuries for the joints and regions of the lower extremities. In addition, the course provides application of advanced preventive measures, reduction methods, special padding, and immobilization techniques.

Prerequisites & Notes

The prerequisite is XSC 2111.

Credits: 3

XSC 2154 - Evaluation & Management of Upper Extremities

This course provides an in-depth study for the theories of evaluation, mechanisms of injuries, and management of specific problems commonly encountered in athletic injuries for the joints and regions of the upper extremities. In addition, the course provides application of advanced preventive measures, reduction methods, special padding, and immobilization techniques.

Prerequisites & Notes

The prerequisite is XSC 2111.

Credits: 3

XSC 3020 - Therapeutic Modalities

This course provides an in-depth study and the application of therapeutic modalities used in rehabilitation. The instruction includes such areas as ultrasound, electrical stimulation, iontophoresis, hydro and cryotherapy, with an emphasis on record keeping and legal documentation, pain theories, and the normal response of the human body to trauma, the physiological process of wound healing and tissue repair.

Prerequisites & Notes

The prerequisites are XSC 2153 and XSC 2154. There is a lab fee. This course is offered every spring.

Credits: 3

XSC 3060 - Physical Disabilities

This course focuses on the medical, educational, sociological, and scientific bases for identifying individuals having physical impairments. Intervening activities, understanding, physical education and recreational opportunities to those individuals will be presented in an adapted physical education laboratory experience. Students will also observe and analyze current settings and programs that provide such opportunities for these individuals.

Prerequisites & Notes

The prerequisite is junior standing. This course is offered every spring.

Credits: 4

XSC 3080 - Personal Fitness

This course is designed to provide students with instruction in the fundamental concepts necessary to provide fitness instruction. Content areas will include exercise programming, instructional technique, basic exercise science, nutrition and fitness assessment, spotting techniques, and professional responsibility. This course will prepare students to sit for the National Strength and Conditioning Association Certified Personal Trainer certification (NSCA-CPT).

Prerequisites & Notes

The prerequisite is XSC 3150. There is a lab fee. This course is offered every spring.

Credits: 3

XSC 3120 - Kinesiology

Kinesiology offers a scientific study of the dynamics of biological motion with an emphasis on kinematic and kinetic analysis of morphological, environmental and biomechanical adaptations to movement. The course integrates mechanical theory, vector analysis, anatomy, and physiology.

Prerequisites & Notes

The prerequisites are XSC 2050 and XSC 2055. There is a lab fee. This course is offered every spring.

Credits: 3

XSC 3130 - Coaching Principles

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 & Notes

There is a lab fee. This course is offered in the spring.

Credits: 3

XSC 3150 - Physiology of Exercise

This course provides a systematic study of human physiological, biochemical processes, activities and phenomena as observed during and after physical exercise.

Prerequisites & Notes

The prerequisite is XSC 2055. There is a lab fee. This course is offered every fall.

Credits: 4

XSC 3810 - Practicum in Phys Ed and/or Exercise Science

This course will provide students in the Department of Exercise Science with an experiential opportunity in physical education and/or exercise science as a potential precursor to an internship. The course may be repeated for credit, but the total may not exceed 6 credits. The practicum must be pre-approved by a mentoring faculty member in the Department of Exercise Science.

Prerequisites & Notes

The prerequisite is junior standing and permission. This course is offered every semester.

Credits: 1 to 6

XSC 4010 - Motor Development

This course offers a study of sensory-motor integration through the human life-span. The instruction emphasizes models, theories and experiments which assess motor learning and control through tests of motor performance.

Prerequisites & Notes

The prerequisite is XSC 3150. There is a lab fee. This course is offered every spring.

Credits: 3

XSC 4071 - Assessment of Exercise Science

This course is designed to focus on the development, evaluation and practical application of assessment techniques used in Exercise Science areas such as teaching physical education, physical therapy, sport management and athletic training. It will include the practical application of measurement devices pertaining to those areas; the application of statistics in administering and analyzing measurement in those areas; and a review of current research in those areas.

Prerequisites & Notes

This course is offered every fall. The prerequisite is senior standing or permission.

Credits: 3

XSC 4072 - Research Methods in Exercise Science

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 & Notes

The prerequisite is XSC 4071. There is a lab fee. This course is offered every spring.

Credits: 3

XSC 4080 - Fundamentals of Physical Conditioning

This course will provide advanced study of the components of fitness. Topics of study will include, but are not limited to the following: fitness assessment testing, individualized exercise prescriptions, team conditioning programs, risk factor analysis and chronic disease prevention, behavior modification, nutrition and weight control, body composition analysis, hydration and heat illness prevention, physiological effects of training and overtraining. This course will incorporate principles of exercise physiology, nutrition, sports medicine, health, and wellness programming. Emphasis will be placed on theory of and participation in physical activity (anaerobic and aerobic systems training). Student instructed fitness laboratory sessions will be used to enhance lecture and activity understanding. The knowledge, skills, and abilities governing the National Strength and Conditioning Association's Certified Strength and Conditioning Specialist (CSCS) examination will serve as foundations for

content covered.

Prerequisites & Notes

The prerequisites are XSC 3120 and XSC 3150. This course is offered every spring.

Credits: 3

XSC 4090 - Exercise Testing, Interpretation, and Intervention

This course will introduce 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 participants. This course will provide students with opportunities to practically apply didactic information studied in anatomy, physiology, exercise physiology, and kinesiology. Course topics will include: preliminary health screening and risk classification, assessing and designing cardio respiratory exercise programs, assessing and designing strength, muscular endurance, and resistance training programs, assessing flexibility and designing stretching programs, and assessing body composition and designing weight management and body composition programs. The laboratory component will focus on risk stratification and acquisition of knowledge, skills, and abilities necessary to sit for the American College of Sports Medicine Health Fitness Specialist (HFS) certification.

Prerequisites & Notes

The prerequisite is XSC 3150 and co-requisite is XSC-4130. There is a lab fee. This course will be offered every fall.

Credits: 4

XSC 4130 - Practical Applications in Exercise Science

This course reinforces and expands academic, laboratory, and practical components of exercise applications prior to a senior practicum or internship. This course will elucidate the foundation of standards and guidelines for students to serve as practitioners of exercise science.

Prerequisites & Notes

The co-requisite is XSC 4090. There is a lab fee. This course is offered every fall. This course may be repeated for credit.

Credits: 2

XSC 4140 - Emergency Medical Technician

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 & Notes

The prerequisite is permission. There is a lab fee. This course is offered every other spring.

Credits: 3

XSC 4150 - Clinical Exercise Prescription

This course offers comprehensive study of applied clinical exercise physiology and its application in exercise prescription for clinical populations. Topics of study will include exercise prescriptions for coronary artery disease, arthritis, diabetes mellitus, dyslipidemia, hypertension, obesity, metabolic syndrome, respiratory tract infections, osteoporosis, peripheral arterial disease,

pulmonary disease, and pregnancy. This course includes academic content necessary for candidacy for certification as a Health Fitness Specialist (American College of Sports Medicine).

Prerequisites & Notes

The prerequisite is XSC 4090 and co-requisite of XSC 4130. There is a lab fee. This course is offered in the spring.

Credits: 3

XSC 4710 - Topics in Exercise Science

This course offers an opportunity for students to concentrate on topics and issues related to the field of Exercise Science. The course may be repeated for credit but the total may not exceed four credits.

Prerequisites & Notes

The prerequisites are junior or senior standing and permission.

Credits: 4

XSC 4810 - Internship In Exercise Science

The internship offers a full or part-time placement in an approved Exercise Science setting under the direct supervision of a qualified professional.

Prerequisites & Notes

The prerequisites are senior standing and permission. The internship may be repeated for up to a total of 12 credits. This course is offered every semester. There is a lab fee.

Credits: 3 to 12

XSC 4820 - Practicum in Exercise Science

This course provides students with an experiential opportunity to actively design, implement, and administer strength and conditioning programs or health fitness instruction to local teams, organizations, and community members. A portfolio demonstrating completion of contractual course objectives is required. The practicum must be pre-approved by the Department of Exercise Science.

Prerequisites & Notes

The prerequisites are XSC 3810, senior standing, and permission. This course is offered every semester.

Credits: 1 to 6

XSC 4910 - Independent Study

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 & Notes

The prerequisites are junior or senior standing and by arrangement with a departmental faculty member.

Credits: 1 to 6

Film Studies

FLM 1055 - Film Analysis and Appreciation

[LGAD3] 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.

Prerequisites & Notes

The prerequisite or co-requisite is ENG 1051 or permission. There is a lab fee. This course is offered every semester.

Credits: 3

FLM 2010 - History of Cinema

[LGPP5] This course surveys the social and aesthetic impact and development of cinema from its literary and technological origins in the nineteenth century through the French and American development of the early silent cinema, Soviet expressive montage, German expressionist cinema, the French surrealist avante garde, the studio years of Hollywood, Italian neo-realism, the French new wave, and contemporary developments, including the recent influence of electronically generated and broadcast cinema.

Prerequisites & Notes

The prerequisite is FLM 1055 or ENG 1052 or permission. There is a lab fee. This course is offered every odd-numbered spring.

Credits: 3

FLM 2020 - Semiotics and Cinema

[LGWL2] This course focuses on the interpretation of cultural values inherent in the typical signs found in common genres of popular American movies. Comparing classic and contemporary examples of these genres, a semiotics approach highlights the cultural significance manifested in the artistic choices of filmmakers.

Prerequisites & Notes

The prerequisite is FLM 1055 or ENG 1052 or permission. There is a lab fee. This course is offered every odd-numbered fall.

Credits: 3

FLM 2710 - Special Topics in Film Studies

This course provides students the opportunity to pursue topics appropriate to the 2000-level not offered in the general Film Studies curriculum.

Prerequisites & Notes

The prerequisite is FLM 1055 or permission.

Credits: 3

FLM 3010 - Auteur Filmmakers Seminar

[LGAD3] 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 with a change of topic, but may count only once toward program requirements.

Prerequisites & Notes

The prerequisite is FLM 1055 or ENG 1052 or permission. There is a lab fee. This course is offered every odd-numbered fall.

Credits: 3

FLM 3610 - Film Studies Seminar

[LGAD3] 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.

Prerequisites & Notes

The prerequisite is FLM 1055 or ENG 1052 or permission. There is a lab fee. This course is offered every even-numbered fall.

Credits: 3

FLM 3710 - Special Topics in Film Studies

This course provides students the opportunity to pursue topics appropriate to the 3000-level not offered in the general Film Studies curriculum.

Prerequisites & Notes

The prerequisite is sophomore standing and FLM 1055 or permission.

Credits: 3

FLM 4010 - Theory of Cinema

[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 & Notes

The prerequisite is FLM 1055 or FLM 3010 or FLM 3610 or permission. There is a lab fee. This course is offered every even-numbered spring.

Credits: 3

FLM 4610 - Senior Thesis

This capstone course integrates the student's understanding of the history, issues, and demands of Film Studies through advanced readings, group discussions, and individually mentored projects. It culminates with a final project on a topic chosen by the student, requiring substantial research, writing, and reflection.

Prerequisites & Notes

The prerequisite is permission.

Credits: 3

FLM 4710 - Special Topics in Film Studies

This course provides students the opportunity to pursue topics appropriate to the 4000-level not offered in the general Film Studies curriculum.

Prerequisites & Notes

The prerequisite is junior standing and FLM 1055 or permission.

Credits: 3

FLM 4810 - Internship in Film Studies

The internship offers practical fieldwork in Film Studies 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 internship emphasizes the acquisition of job-related skills and the role of a professional in the discipline.

Prerequisites & Notes

The prerequisite is permission.

Credits: 3

Foreign Language

FLL 1010 - Immersion Experience

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 & Notes

The prerequisite is permission. There is a lab fee. This course is offered every semester.

Credits: .5 to 6

FLL 2710 - Topics in Foreign Language

This course offers a study in a variety of areas of foreign language, not extensively treated in regularly scheduled offerings.

Prerequisites & Notes

The course may be repeated once. It may require a lab fee.

Credits: 3

FLL 2810 - Co-op in Foreign Language

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 & Notes

The prerequisites are sophomore standing and permission.

Credits: 1 to 6

FLL 2910 - Independent Study in Foreign Language

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 & Notes

The prerequisites are sophomore standing and permission.

Credits: 3

French

FRE 1111 - French I

[LGCC4] 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.

Prerequisites & Notes

There is a lab fee. This course is offered every fall.

Credits: 3

FRE 1112 - Intermediate French

[LGCC4] 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.

Prerequisites & Notes

This course is offered every spring.

Credits: 3

FRE 2910 - Independent Study in French

Independent Study in French provides an opportunity for advanced study in selected areas of interest.

Credits: 1 to 4

Geographic Information Systems

GIS 1050 - Introduction to Fundamentals of Geographic Information Systems (GIS) and Global Positioning Systems (GPS)

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 & Notes

This course is offered every fall.

Credits: 3

GIS 2010 - Spatial Analysis Techniques in Geographic Information Systems

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 & Notes

The prerequisites are sophomore standing and permission. There is a lab fee. This course is offered every fall.

Credits: 3

Geography**GEO 1010 - Introduction to Geography**

[LGNR7] 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 of its position in a network of economic, social and political relationships that link one place with every other place.

Prerequisites & Notes

This course is offered every semester.

Credits: 3

GEO 2710 - Topics in Geography

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 Social Science curriculum.

Prerequisites & Notes

The prerequisites are sophomore standing and permission.

Credits: 1 to 3

GEO 2910 - Independent Study in Geography

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 & Notes

The prerequisites are sophomore standing and permission.

Credits: 1 to 3

Geology

GEY 1111 - Introduction to Geology I

[LGNR7] 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.

Prerequisites & Notes

There is a lab fee. This course is offered every semester.

Credits: 4

GEY 2112 - Introduction to Geology II

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 & Notes

The prerequisite is GEY 1111. There is a lab fee. This course is offered every fall.

Credits: 4

GEY 2710 - Geology Modules

Geology Modules offers the study of a variety of topics in geology offered in response to the current interest of students and faculty member. Such topics may include river floodplains and floodplain zoning, ground water resources, survey of mineral resources, geologic map reading, and fossils through time.

Prerequisites & Notes

There is a lab fee.

Credits: 1 to 4

GEY 3035 - Aqueous Geochemistry

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 & Notes

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.

Credits: 4

GEY 3040 - Mineral Resources

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 & Notes

The prerequisite is GEY 1111. There is a lab fee. This course is offered every odd-numbered spring.

Credits: 4

GEY 3110 - Hydrogeology

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 & Notes

The prerequisite is GEY 1111. There is a lab fee. This course is offered every odd-numbered fall.

Credits: 4

GEY 4710 - Geology Modules

Geology Modules offer the intensive study of a variety of current topics in geology, offered in response to the current interests of the students and faculty. Examples of topics include paleoclimatology of the last five million years, a survey of our economic mineral resources, and the glacial geology of northern Vermont and adjacent Quebec. Some modules may be taken for major elective credit with written permission. The course requires fifteen lecture/lab hours per credit.

Prerequisites & Notes

The permission of the instructor is required. There is a lab fee.

Credits: 1 to 4

GEY 4820 - Geologic Evolution: Grand Canyon to Mt. Whitney -- Seminar

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 & Notes

The prerequisite is GEY 1111. GEY 2112 is recommended as pre- or corequisite. The course will be offered every even-numbered fall.

Credits: 2

GEY 4830 - Geologic Evolution: Grand Canyon to Mt. Whitney - Expedition

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 & Notes

Prerequisites are GEY 4820 and permission of the instructor. There is a lab fee. The course will be offered every odd-numbered spring.

Credits: 2

GEY 4840 - Geologic Evolution: Grand Canyon to Mt. Whitney -- Intensive

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 & Notes

Prerequisites are GEY 4830 or permission of the instructor. The course will be offered every even-numbered spring.

Credits: 4

German

GER 1111 - German I

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.

Credits: 3

History

HIS 1011 - Western Civilization I

[LGPP5] 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.

Prerequisites & Notes

This course is offered every spring.

Credits: 3

HIS 1020 - Comparative Civilization

[LGCC4] This course provides students with an opportunity to explore the concept of civilization by examining the conditions that lead to the emergence and development of civilization. Emphasis will be placed on the complex social and cultural traits that characterize “civilization,” for example: trade, urbanization, social stratification, surplus of food, redistribution of resources, and complex religious belief systems. This course will focus on a comparison of specific examples from different periods and regions of the world.

Prerequisites & Notes

This course is offered every fall.

Credits: 3

HIS 1211 - American History I

[LGPP5] American History I studies the foundation of American society, and emphasizes the growth of democracy, sectional interests and conflicts, and the frontier through the Civil War.

Prerequisites & Notes

This course is offered every fall.

Credits: 3

HIS 1212 - American History II

[LGPP5] 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.

Prerequisites & Notes

The prerequisite is sophomore standing. This course is offered every spring.

Credits: 3

HIS 2240 - Survey of Eurasia

[LGPP5] 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.

Prerequisites & Notes

This course is offered every even-numbered spring.

Credits: 3

HIS 2710 - Topics in History

This course provides students the opportunity to pursue topics of special interest in history appropriate to the 2000-level that are not offered in the general Social Science curriculum.

Prerequisites & Notes

The prerequisite is sophomore standing.

Credits: 1 to 3

HIS 2910 - Independent Study in History

Independent Study in History 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 & Notes

The prerequisite is sophomore standing and permission.

Credits: 1 to 3

HIS 3056 - Race in America

[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 & Notes

This course is offered every even-numbered fall.

Credits: 3

HIS 3110 - Ante-Bellum America

[LGPP5] This course examines the period between the signing of the U.S. Constitution and the beginning of the Civil War. The instruction focuses on the changes in the American economy, the resulting dislocations in American society, and attempts by various groups to use reform to protect or further their interests.

Prerequisites & Notes

The prerequisite is HIS 1211 or permission. This course is offered every odd-numbered fall.

Credits: 3

HIS 3155 - Sports in American History

[LGPP5] 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.

Prerequisites & Notes

This course is offered every even-numbered spring.

Credits: 3

HIS 3165 - Vermont History

[LGPP5] 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.

Prerequisites & Notes

This course is offered every spring.

Credits: 3

HIS 3280 - The History of the American Recording Industry

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 & Notes

The prerequisite is sophomore standing. There is a lab fee. This course is offered every odd-numbered spring.

Credits: 3

HIS 3310 - 18th and 19th Centuries Europe

[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 & Notes

The prerequisite is sophomore standing or permission. This course is offered every odd-numbered fall.

Credits: 3

HIS 3330 - Europe since 1914

[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 & Notes

The prerequisite is sophomore standing. This course is offered every even-numbered fall.

Credits: 3

HIS 3440 - Modern Russia

[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 & Notes

The prerequisite is sophomore standing or permission. This course is offered every odd-numbered spring.

Credits: 3

HIS 3445 - History of Soviet/Russian Cinema and TV

[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.

Credits: 3

HIS 3530 - Modern East and Southeast Asia

[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. This course is offered every even numbered fall.

Prerequisites & Notes

The prerequisite is sophomore standing or permission.

Credits: 3

HIS 3540 - Modern South Asia

[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. This course is offered every even-numbered spring.

Prerequisites & Notes

The prerequisite is sophomore standing or permission.

Credits: 3

HIS 3550 - The Islamic World

[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. This course is offered every odd numbered fall.

Prerequisites & Notes

The prerequisite is sophomore standing or permission.

Credits: 3

HIS 4710 - Topics in History

This course provides students the opportunity to pursue topics of special interest in history appropriate to the 3000-level not offered in the general Social Science curriculum.

Prerequisites & Notes

The prerequisite is junior standing.

Credits: 1 to 3

HIS 4810 - Internship in History

The co-op offers practical field work in history arranged in conjunction with the Cooperative Education Office. The student is placed in 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 co-op 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 & Notes

The prerequisites are junior standing and permission.

Credits: 1 to 6

HIS 4910 - Independent Study in History

Independent Study in History 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 & Notes

The prerequisites are junior standing and permission.

Credits: 1 to 3

Humanities

HUM 1030 - Representing the World

[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 & Notes

This course is offered every semester.

Credits: 3

Interdisciplinary Seminars

INT 1010 - New Student Seminar

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 & Notes

There is a lab fee.

Credits: 3

INT 1020 - Entering an Academic Community

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 & Notes

There is a lab fee. This course is offered every semester.

Credits: 3

INT 1030 - Experiencing Academic and Cultural Life

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.

Credits: 1

INT 1040 - Introduction to College

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 & Notes

Prerequisites are first year standing and co-enrollment in a Divisional Core course of the GEU. There is a lab fee. This course is offered every semester.

Credits: 1

INT 2010 - Jumpstart Your Future

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 & Notes

This course is offered as second-half mini in the spring.

Credits: 1

INT 2040 - Critical Thinking, Reading, and Writing

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 & Notes

The prerequisite is ENG 1052. This course is offered every semester.

Credits: 3

INT 4010 - Life Beyond the Classroom

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 & Notes

This course is offered as first-half mini in the spring.

Credits: 1

INT 4020 - Graduate Record Examination Preparation

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 & Notes

This course is offered in the fall.

Credits: 1.5

INT 4710 - Topics in Interdisciplinary Studies

This course offers topics of special interest not extensively treated in regularly scheduled offerings on an occasional basis.

Prerequisites & Notes

The prerequisite is permission of the instructor.

Credits: 1 to 3

INT 4720 - Interdisciplinary Seminars

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 & Notes

The prerequisites are junior or senior standing and completion of the GEU.

Credits: 3

INT 4810 - Peer Leader Seminar and Practicum

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 & Notes

The prerequisite is instructor permission. This course is offered every fall.

Credits: 1 - 4

Liberal Studies**LIB 4801 - Liberal Studies Internship**

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 & Notes

Permission

Credits: 1 - 3

LIB 4810 - Liberal Studies Thesis

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 & Notes

The prerequisite is permission.

Credits: 3

Mathematics

MAT 0010 - Basic Math Review

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. *Credit hours appear for the purpose of scheduling and do not confer credit toward graduation.

Prerequisites & Notes

This course is offered every semester.

Credits: 1 *

MAT 0221 - Basic Algebra

This is a beginning course in algebra. Topics include: algebraic laws, polynomials, exponents, linear equations, and factoring. The course provides a foundation for further study of mathematics as well as for course work in many technical and scientific fields. Recommended prior learning is basic arithmetic skills. Students must take a math assessment for placement purposes prior to registration. *Credit hours appear for the purpose of scheduling and do not confer credit toward graduation.

Prerequisites & Notes

This course is offered every semester.

Credits: 3 *

MAT 1020 - Intermediate Algebra

This course provides a brief review of the fundamentals of algebra, equations and inequalities, exponents and radicals, functions and graphs, systems of equations, and polynomial, rational functions.

Prerequisites & Notes

The prerequisite is math competency. This course is offered every semester.

Credits: 3

MAT 1060 - Problem Solving with Mathematics

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 & Notes

The prerequisite is math competency. This course is offered every semester.

Credits: 3

MAT 1221 - Finite Mathematics

Finite Mathematics introduces set theory, linear programming, and mathematics of finance. Many topics are discussed in the context of practical business applications.

Prerequisites & Notes

The prerequisite is math competency. This course is offered every semester.

Credits: 3

MAT 1410 - Pre-Calculus

This course extends the concept of functions to composite, inverse, polynomial, rational, exponential and logarithmic functions. Topics include trigonometry, vectors, law of sines and cosines, parametric equations, complex numbers, and systems of equations.

Prerequisites & Notes

The prerequisite is MAT 1020 passed with a grade of C- or higher, or permission. This course is offered every semester.

Credits: 5

MAT 1430 - Trigonometry for Calculus

This course explores trigonometric functions using a unit-circle approach with emphasis on concepts and skills needed for calculus.

Prerequisites & Notes

The prerequisite is MAT 1410 passed with a grade of C- or higher. This course is offered every semester.

Credits: 1

MAT 1531 - Calculus I

Calculus I introduces the calculus of one real variable: functions, limits, continuity, derivatives, elements of integration, area, numerical methods, and applications.

Prerequisites & Notes

The prerequisite is MAT 1410, passed with a grade of C- or higher, or permission. This course is offered every semester.

Credits: 4

MAT 2010 - Number Systems

The instruction develops around topics such as number theory, historical number systems, informal geometry, Venn diagrams, and the real numbers.

Prerequisites & Notes

The prerequisite is MAT 1060, passed with a grade of C- or higher, or permission. This course is offered every semester.

Credits: 3

MAT 2021 - Statistics

Designed for non-science majors, this course introduces such topics as data organization, descriptive measures, probability, sampling distributions of means and proportions, estimation, hypothesis testing, and correlation. The use of SPSS is required.

Prerequisites & Notes

The prerequisite is MAT 1060 or MAT 1020 or MAT 1221, passed with a grade of C- or higher. This course is offered every semester.

Credits: 3

MAT 2210 - Sets, Logic, and Proof

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 & Notes

The pre-requisite is MAT 1531 or MAT 2021 passed with a C- or better or permission. The course is offered every odd-numbered fall.

Credits: 3

MAT 2532 - Calculus II

This course is a continuation of MAT 1531. Topics in this course include differentiation and integration of exponential and logarithmic functions, techniques of integration, volume, infinite series, polar coordinates, parametric equations, and applications.

Prerequisites & Notes

The prerequisite is MAT 1531, passed with a grade of C- or higher, or permission. This course is offered every semester.

Credits: 4

MAT 2543 - Calculus III

This course introduces the calculus of multivariable functions. The instruction covers such topics as vectors and analytic geometry in three-space, vector-valued functions, differentiation, integration, line integrals, vector calculus with gradients, divergence and curl, the theorems of Green, Gauss and Stokes, numerical methods, and applications.

Prerequisites & Notes

The prerequisite is MAT 2532, passed with a grade of C- or higher, or permission. This course is offered every semester.

Credits: 5

MAT 3010 - History of Mathematics

[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 & Notes

The prerequisite is MAT 2210 and MAT 1531, passed with a grade of C- or higher, or permission. This course is offered every odd-numbered spring.

Credits: 3

MAT 3025 - Math in Elementary School

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 & Notes

The prerequisite is MAT 2010 passed with a grade of C- or better or permission. This course is offered every spring.

Credits: 3

MAT 3130 - Statistical Theory and Applications

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 & Notes

The prerequisite is MAT 1531, passed with a grade of C- or higher. This course is offered every even-numbered spring.

Credits: 3

MAT 3210 - Linear Algebra

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 & Notes

The prerequisite is MAT 1531 or MAT 2210 passed with a grade of C- or higher, or permission. This course is offered every spring.

Credits: 3

MAT 3310 - Introduction to Differential Equations

This course acquaints students with such topics as the theory and solution methods of first-order ordinary differential equations, linear differential equations, first-order linear systems, qualitative behavior of solutions, Laplace transforms, existence and uniqueness of solutions, and applications. Includes extensive use of technology.

Prerequisites & Notes

The prerequisite is MAT 2532, passed with a grade of C- or higher. This course is offered every fall.

Credits: 3

MAT 3730 - Topics in Differential Equations

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 & Notes

The prerequisites are MAT 3210 and MAT 3310, passed with a grade of C- or higher. This course is offered every even numbered spring. May be repeated once for credit with the instructor's permission.

Credits: 3

MAT 3810 - Cooperative Field Work

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 & Notes

The prerequisite is permission.

Credits: 3 to 12

MAT 4040 - Complex Analysis

Complex Analysis 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 & Notes

The prerequisite is MAT 2543, passed with a grade of C- or higher, or permission. This course is offered every odd-numbered spring.

Credits: 3

MAT 4060 - Real Analysis

Real Analysis 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 & Notes

The prerequisites are MAT 2543 and MAT 2210, passed with a grade of C- or higher, or permission. This course is offered every even-numbered fall.

Credits: 3

MAT 4120 - Numerical Analysis

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 & Notes

The prerequisites are CIS 2060 or other programming language, MAT3210, and MAT3310, passed with a grades of C- or higher, or permission of instructor. This course is offered every odd numbered fall.

Credits: 3

MAT 4130 - Abstract Algebra

Serving as an introduction to the theory of the algebraic structure of groups, rings, and fields, this course examines such topics as subgroups, quotient groups, homomorphisms, isomorphisms, ideals, and integral domains.

Prerequisites & Notes

The prerequisites are MAT 2210 and MAT 3210, passed with a grade of C- or higher, or permission. This course is offered every even-numbered spring.

Credits: 3

MAT 4140 - Geometry

Rigorous reasoning is emphasized in this in-depth treatment of Euclidean geometry and its axiom system. The instruction covers the history and development of the non-Euclidean geometries.

Prerequisites & Notes

The prerequisite is MAT 2210, passed with a grade of C- or higher, or permission. This course is offered every even-numbered fall.

Credits: 3

MAT 4710 - Special Studies in Math

This course is available to advanced students on an individual basis. Each student plans a program in consultation with a faculty member in the department. The course may be repeated for additional credit if new work is undertaken.

Prerequisites & Notes

The prerequisite is permission.

Credits: 1 to 3

MAT 4990 - Portfolio

This course consists of the completion of the required graduation portfolio, which will be reviewed by a faculty panel.

Prerequisites & Notes

The prerequisite is senior status.

Credits: 1

Mountain Recreation Management

MRM 1010 - Leisure and Society

[LGGE6] Leisure and Society presents an overview of global historical and philosophical foundations of leisure and recreation, including public and private leisure service delivery systems. It provides a conceptual basis for the evolution of leisure 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.

Prerequisites & Notes

There is a lab fee. This course is offered every semester.

Credits: 3

MRM 1020 - Problem Solving Techniques

This practical course involves the use, examination, and adaptability of available software for problem solving, simulation modeling and gaming, and GIS mapping techniques. The instruction pays particular attention to specialized programs for the recreation industry in the areas of carrying capacity, facilities maintenance, resource valuation, planning, and assessment.

Prerequisites & Notes

There is a lab fee. This course is offered every spring.

Credits: 3

MRM 1080 - Leadership and Small Group Dynamics

[LGSS1] 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.

Prerequisites & Notes

This course is offered every semester.

Credits: 3

MRM 1110 - Adventure Programming I

This course introduces the foundations, models, and theories of adventure programming. Classroom experiences emphasize the learning of historical, social psychological, educational, and management aspects of adventure programming. Students are introduced to a wide variety of adventure-based activities through skills clinics and hands-on experience.

Prerequisites & Notes

There is a lab fee. This course is offered every fall.

Credits: 3

MRM 1132 - Outdoor Adventure Skills

This course practices more advanced outdoor adventure skills, including such seasonal activities as whitewater canoeing, intermediate rock climbing, winter mountaineering, ice climbing, ropes course, and top rope climbing site management.

Prerequisites & Notes

There is a lab fee. This course is offered every semester.

Credits: 1 to 2

MRM 1140 - Introduction to Mountain Resort Management

Introduction to Mountain Resort Management 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.

Prerequisites & Notes

This course is offered every fall.

Credits: 3

MRM 1310 - Outdoor Adventure Skills

This course studies specific outdoor adventure skills. The course includes seasonal activities such as flatwater canoeing, beginning rock climbing, orienteering, and snowshoeing.

Prerequisites & Notes

There is a lab fee. This course is offered every fall and may be repeated for credit.

Credits: 1

MRM 1410 - Introduction to Natural Resource GIS Mapping and Planning

This course is designed to introduce students to the fundamentals of GIS/GPS technology as they relate to natural resource planning. Basic introductory concepts of GIS/GPS operations, data processing, digitizing, data formats, projections and datum, remote sensory, and spatial accuracy are introduced as they apply to such natural resource applications as vegetation mapping, accuracy assessment, corridors and buffers of natural and man made features, and the role that mapping plays in developing management planning and policy.

Prerequisites & Notes

There is a lab fee. This course is offered every fall.

Credits: 3

MRM 1810 - Outdoor Education Practicum

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. The pre-trip classroom instruction 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.

Prerequisites & Notes

This is a second-half course. There is a lab fee. This course is offered every spring.

Credits: 3

MRM 2040 - Adventure Programming Leadership Skills

This course provides students who are concentrating in adventure-based program management 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. MRM 2850 is offered every fall; MRM 2040 is a spring semester option that focuses on selected outdoor leadership skills in winter settings.

Prerequisites & Notes

The prerequisites are sophomore standing and permission. There is a lab fee. This course is offered every semester.

Credits: 4

MRM 2050 - Outdoor Emergency Care

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 written 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).

Prerequisites & Notes

There is a lab fee. This course is offered every fall.

Credits: 3

MRM 2060 - Wilderness First Responder

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.

Prerequisites & Notes

There is a lab fee. This course is offered every fall.

Credits: 3

MRM 2120 - Recreation Resource Impacts

This course examines the resource and ecological impacts of recreation use. The instruction addresses the positive and negative changes in environmental conditions occurring to the resource base as a result of recreational use. These changes include degradation of such resources as soils, water, vegetation, and wildlife. The course explores concepts of wilderness, wildland recreation, direct and indirect impacts, and spatial distribution of recreation impacts. This course also includes an examination of

the differences in levels of human activity on natural resources. The field lab requirement of the course acquaints students with an understanding of impacts, their severity, and their interrelationships. The lab also provides students with an understanding of using both GIS and GPS mapping techniques to examine spatial concepts related to broader issues of recreation activity-environment interactions.

Prerequisites & Notes

There is a lab fee. This course is offered every fall.

Credits: 3

MRM 2130 - Wilderness Mind

[LGNR7] This course explores the interface between wilderness and the self from historical, cultural, psychological, and personal perspectives, aimed toward the student's development of her or his 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 her or his 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.

Prerequisites & Notes

There is a lab fee. This course is offered every fall semester.

Credits: 3

MRM 2210 - Lift Functions and Maintenance

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.

Prerequisites & Notes

Upon completion of the course, students may test out of the Level I Vermont State Lift Apprentice program. There is a lab fee. The course is offered every fall.

Credits: 3

MRM 2830 - Applied Field Techniques in Recreation Resource Mapping

This is an experiential course for students interested in applying field techniques for GPS and GIS mapping. Field projects include lab and additional classroom time to cover spatial data processing techniques as well as the fundamentals of spatial data projects. Additional areas of study will include introduction to Surveying/CAD or CAD-like software. Students have an opportunity in this course to apply classroom theory and hands on technological applications while under the supervision of trained professionals.

Prerequisites & Notes

The prerequisites are sophomore standing and permission. There is a lab fee. This course is offered every fall.

Credits: 4

MRM 2841 - Mountain Resort Management I

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.

Prerequisites & Notes

The prerequisites are sophomore standing and permission. There is a lab fee. This course is offered every fall.

Credits: 4

MRM 2842 - Mountain Resort Management II

This spring semester 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 & Notes

The prerequisites are MRM 2841 and permission. There is a lab fee. This course is offered every spring semester.

Credits: 4

MRM 2850 - Adventure Programming II

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.

Prerequisites & Notes

The prerequisites are sophomore standing and permission. There is a lab fee. This course is offered every sfall.

Credits: 4

MRM 2852 - Snow Maintenance

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 & Notes

The prerequisites are sophomore standing and MRM 1140. There is a lab fee. This course is offered every fall.

Credits: 3

MRM 2855 - Summer Mountain Operations

This course will examine the evolution of mountain resorts and their transition into year-round destinations for outdoor recreation. Students will 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 will learn about summer operation management trends and issues.

Prerequisites & Notes

The prerequisites are sophomore standing and MRM 1140. There is a lab fee. This course is offered every spring.

Credits: 3

MRM 3020 - Program Planning and Delivery

Program Planning and Delivery covers the principles for 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 & Notes

The prerequisite is MRM 1080 or permission. This course is offered every fall.

Credits: 3

MRM 3050 - Risk Management

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 & Notes

The prerequisite is junior standing or permission. This course is offered every spring.

Credits: 3

MRM 3060 - Risk Management in Adventure Programming

This course examines principles and practices of safety and risk management in adventure program settings. The instruction explores such topics as general program safety concepts, program ethics, staff training and development, legal liability, safety skills, and risk management plans.

Prerequisites & Notes

The prerequisite is junior standing or permission. This course is offered every fall.

Credits: 3

MRM 3070 - Leave No Trace Master Educator

This 5-day course provides participants with a comprehensive overview of Leave No Trace skills and ethics through practical application in a field-based setting. The first day is spent in a classroom, introducing the course and schedule, providing in-depth information on the overall Leave No Trace program and the Center for Outdoor Ethics, reviewing gear, and packing. The field course includes 4 field days and 3 overnights in a backcountry/wilderness setting offering students the opportunity to practice teaching the LNT curriculum. Successful participation and demonstration of desired competence may result in the nationally recognized LNT Master Educator certification.

Prerequisites & Notes

Registration is by permission only. There is a lab fee. This course is offered every summer.

Credits: 3

MRM 3110 - Public Relations

The course focuses on public relationships between an organization and its stakeholders and the theory and practice of PR. The instruction teaches the development of PR, and offers practical tools for relating to the media, gaining publicity, and dealing with crises.

Prerequisites & Notes

This course is offered every spring.

Credits: 3

MRM 3140 - Outdoor Expedition

This course presents an opportunity for individuals to help plan and participate in extended wilderness trips and expeditions, or any activity-oriented program in ski resort or outdoor recreation settings.

Prerequisites & Notes

There is a lab fee. This course is offered every semester and may be repeated for credit.

Credits: 1 to 4

MRM 3810 - Co-op in Recreation

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 applications 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. This course is open to recreation majors only.

Prerequisites & Notes

The prerequisites are sophomore standing and permission.

Credits: 1 to 6

MRM 4020 - Recreation Management

This project-based course examines recreation management principles and practices which enhance community well-being and promote economic sustainability. The instruction examines managerial leadership, budget practices, community relations, and area and facility maintenance.

Prerequisites & Notes

The prerequisite is junior standing or permission. This course is offered every semester.

Credits: 3

MRM 4710 - Special Topics in Recreation Industry

The Special Topics in Recreation covers a specific topic in recreation management, community services and resource development. The instruction emphasizes advanced study of a single topic. Course requirements include advanced research and presentation. Each concentration contributes courses under this heading.

Prerequisites & Notes

Students may repeat this course several times under separate sections.

Credits: 3

MRM 4720 - Management Intern Seminar

This seminar 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 management internship. Students should enroll in the seminar one or two semesters prior to registering for the Management Internship (MRM 4820).

Prerequisites & Notes

This course is offered every semester.

Credits: 1

MRM 4740 - Research and Evaluation Capstone

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 & Notes

The prerequisite is junior standing; MAT 2021 is strongly recommended. There is a lab fee. The course is offered every semester.

Credits: 4

MRM 4820 - Management Internship

The management internship provides a full-time placement of a senior recreation resource and ski resort management major at an approved site for the purpose of developing and fulfilling career goals under the supervision of a qualified professional.

Prerequisites & Notes

The prerequisites are MRM 4720 and permission. This course is offered every semester.

Credits: 9 to 15

Music

MUS 1010 - Music Appreciation

[LGAD3] Music Appreciation introduces the art and craft of music. It deals with ways to listen to music, the basic elements of music, the use of these musical elements in the many genres and styles of Western European musical tradition and the way in which music may communicate ideas. There is a lab fee. This course is offered every semester.

Credits: 3

MUS 1030 - Music Fundamentals

[LGAD3] This course introduces the fundamentals and theory of music for students with varying degrees of musical backgrounds. The course begins with the development of basic music reading and aural perception skills and leads toward the understanding and analysis of the relationships of the musical parameters within various styles of music. English handbells are used as the vehicle for music reading.

Prerequisites & Notes

This course is offered every semester. There is a course fee.

Credits: 3

MUS 1041 - Class Piano I

[LGAD3] 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 large body of folk, classical, jazz, and popular music for piano and teaches fundamental theoretical and practical aspects of music and musicianship. Daily practice is expected.

Prerequisites & Notes

This course is offered every semester. There is a course fee.

Credits: 3

MUS 1042 - Class Piano II

[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. Students will be expected to practice outside of class.

Prerequisites & Notes

The prerequisite is MUS 1041 and/or permission of instructor, which may include a placement audition. This class is offered every semester. There is a course fee.

Credits: 3

MUS 1231 - Music Theory I

[LGAD3] This course is designed for students who already have a grasp of music fundamentals, and as such includes the study and practice of scales, intervals, chords, chordal analysis, four-part harmony and voice leading. Instruction will include the study of software programs such as Sibelius and Finale and students will be required to purchase a controller that will interface with these programs. The prerequisite is MUS 1030 or placement by testing. There is a lab fee. This course is offered every spring.

Prerequisites & Notes

The prerequisite is MUS 1030 or placement by testing. There is a lab fee. This course is offered every spring.

Credits: 3

MUS 2070 - Basic Songwriting

[LGAD3] 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 & Notes

The prerequisite is MUS 1030 or permission. There is a course fee. This course is offered every spring.

Credits: 3

MUS 2160 - Introduction to Technology in Music

This course introduces students to the new music technologies by surveying software applications for music composition, orchestration, and recording. Topics include music synthesis, MIDI and USB applications, sequencing, editing and mixing through hands-on experience using programs including Protools, Reason4 and Sibelius.

Prerequisites & Notes

There is a lab fee. This course is offered every fall.

Credits: 3

MUS 2190 - Electronic Music Composition

This course introduces the student 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 & Notes

The prerequisites are math competency, MUS 1231 and MUS 2160 or permission. This course is offered every even-numbered spring. There is an additional course fee.

Credits: 3

MUS 2220 - Music Ensembles

This course offers performance experience for students in either choral or instrumental settings.

Prerequisites & Notes

It may be repeated for credit. Depending upon the ensemble, there may be a course fee.

Credits: 1

MUS 2340 - Class Instruction in Voice

[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 & Notes

There may be a course fee. This course is offered every even-numbered spring.

Credits: 3

MUS 2341 - Class Guitar I

[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 & Notes

This course is offered every semester. There is a course fee.

Credits: 3

MUS 2410 - Collaborative Creativity in Music

This course offers the Music Business and Industry major an opportunity to exchange ideas in a collaborative environment with other students who are also pursuing a Music Business and Industry degree. Because the MBI program includes students who come to LSC with a wide variety of interests, backgrounds, experiences and skill-sets, this collaborative environment offers students an opportunity to learn from each other as they gain individualized knowledge and expertise in the field. This course is open to Music Business and Industry majors only.

Prerequisites & Notes

The prerequisite is sophomore standing or permission. The course is offered every spring.

Credits: 1

MUS 2430 - Advanced Music Theory & Ear Training

This course continues the study of music theory begun in MUS 1231. The course will continue to examine the harmonic, rhythmic, and formal organization of music and will include rhythmic and melodic dictation, the use of secondary dominants, and structural analysis of various music forms. In addition, students will be expected to assimilate the concepts associated with developing aural skills in response to elements of music theory and to finished musical compositions. Study includes traditional methods of sight-singing and ear-training as well as more contemporary concerns associated with modern musical forms and styles. The prerequisite is MUS 1231. There is a lab fee. The course is offered every even-numbered fall.

Prerequisites & Notes

The prerequisite is MUS 1231. There is a lab fee. The course is offered every even-numbered fall.

Credits: 3

MUS 2710 - Special Topics in Music

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 & Notes

The prerequisite is permission of the instructor. There may be a lab fee.

Credits: 1 to 3

MUS 2910 - Independent Study in Music

This course gives the student an opportunity to work on a special area of interest that is not possible through the standard curriculum.

Prerequisites & Notes

The prerequisite is permission of the instructor. The Independent study contract must be approved, signed and submitted before the current semester's registration period closes.

Credits: 1 to 3

MUS 3045 - Jazz in Theory and Practice

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 & Notes

The prerequisite is MUS 1231 or permission. This course is offered every odd-numbered fall. There is an additional course fee.

Credits: 3

MUS 3055 - Rock and Roll: Form and Style

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 & Notes

The prerequisite is MUS 1030, or permission. The course is offered every fall.

Credits: 4

MUS 3330 - Worlds of Music

[LGCC4] This course presents an overview of musical traditions found in various non-Western cultures including areas of India, the Middle East, China, Japan, Indonesia, Africa, Native American, Latin American, and cultural/folk music from Europe and North America. In addition, the course will help students understand music as a vital creative force that represents and expresses each culture's unique views, values and history.

Prerequisites & Notes

The prerequisite is junior standing or permission. This course is offered every even-numbered spring. There may be a course

fee.

Credits: 3

MUS 3350 - Music of the Americas

[LGCC4] This course will acquaint students with various styles of North and South American music, and place those styles in social and cultural perspective. The course will examine Blues, Jazz, Brazilian, Reggae, Afro-Cuban, Cajun and Zydeco, the cultural elements that influenced their development and how each style has influenced American popular music.

Prerequisites & Notes

The prerequisite is junior standing or permission. This course is offered every odd-numbered spring.

Credits: 3

MUS 4710 - Special Topics in Music

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 & Notes

The prerequisite is permission of instructor. There may be a lab fee.

Credits: 1 to 3

MUS 4910 - Independent Study in Music

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 & Notes

The prerequisite is permission of instructor. The Independent study contract must be approved, signed and submitted before the current semester's registration period closes.

Credits: 1 to 3

Music Business and Industry

MBI 1110 - Radio Live

This course provides students who are "live on the air" an opportunity to learn more about topics such as formatting, history, and FCC regulations. Students enrolled in this course must have previous or concurrent on-air experience with WWLR or with some other on-air radio station. When a student wishes to be assigned time with WWLR, the student must apply and be accepted through WWLR's management. Enrollment in this course will not guarantee that WWLR will provide on-air experience.

Prerequisites & Notes

The prerequisite is permission. This course is offered every semester.

Credits: 1

MBI 1360 - Introduction to the Music Industry

This course will present 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 will attempt to address the rapid changes presented by an ever-evolving industry.

Prerequisites & Notes

There is a lab fee. This course is offered every semester.

Credits: 3

MBI 2170 - Introduction to Audio Engineering

This course presents a study of various elements associated with music production and sound engineering. The topics covered may include basic studio electronics and signal flow, studio and performance acoustics, dynamic processing, microphone use and design, session techniques, and the sound engineer in action.

Prerequisites & Notes

The prerequisite is MBI-1360 or permission. There is a lab fee. This course is offered every semester.

Credits: 3

MBI 2175 - Digital Recording Techniques

This course covers basic principles of digital recording software such as Pro Tools and is designed for the audio student who has a beginner's-level experience. The course provides students with the knowledge and skills needed to complete a project from initial set-up to final mix-down. The topics covered include recording a live instrument or voice, using MIDI sequencing or software synthesizers, editing audio files and utilizing region looping techniques. This course is offered every semester. There is an additional course fee.

Prerequisites & Notes

Prerequisite is MBI 2170 or permission.

Credits: 3

MBI 2180 - Studio Production and Maintenance

This course presents an overview of the producer's job and the methods and techniques associated with music production, from start to the finished product. In addition, students will become acquainted with basic maintenance, repair, and troubleshooting in the studio.

Prerequisites & Notes

The pre-requisite is MBI 2170 or permission. There is a course fee. This course is offered every spring.

Credits: 3

MBI 2190 - Radio Production

This course introduces students to the technical aspects of a radio broadcast facility. Topics may include sound recording and editing, internet streaming, remote broadcasting, pod-casting, software systems, and on-air broadcasting techniques.

Prerequisites & Notes

MBI 2180, Studio Production and Maintenance, is recommended. There is a lab fee. This course is offered every even-numbered fall.

Credits: 3

MBI 2192 - Radio Station Operations

This course introduces students to the principles associated with day-to-day radio operations according to FCC rules and regulations. Topics may include station management, advertising sales, fiscal sponsorship, general programming, station image development, and format implementation.

Prerequisites & Notes

There is a lab fee. This course is offered every odd-numbered fall.

Credits: 3

MBI 2420 - Artist Management and Development

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 & repertory). Topics such as contracting, booking, and material protection will be included; tour management, recording/performance issues, and career guidance may be discussed.

Prerequisites & Notes

The prerequisite is MBI 1360 and sophomore standing. This course is offered every fall.

Credits: 3

MBI 3170 - Recording and Post-Production Techniques

This course provides a study of the major areas of recording technology and hands-on techniques, including microphone positioning, analog and digital technology, issues associated with live recording sessions, recording innovations in the industry, and post-production considerations such as mixing, editing, mastering, and remixing. Study may include the full preparation of a final production piece.

Prerequisites & Notes

The prerequisite is MBI 2170 or NMS-3050 with a recommended co-requisite of MBI 2180. There is a course fee. This course is offered every odd-numbered spring.

Credits: 3

MBI 3180 - Live Sound Reinforcement

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 & Notes

The prerequisite is MBI 2180. This course is offered every even-numbered fall. There is an additional course fee.

Credits: 3

MBI 3210 - Music Publishing

[LGGE6] 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 & Notes

The prerequisites are MBI 1360 and junior standing. There is a course fee. This course is offered every spring.

Credits: 3

MBI 3220 - Advanced Audio Production

This course continues the work of MUS 2170 as it addresses specific, advanced topics in the area of audio engineering. Topics may include broadcasting, digital audio effects, mastering for specific applications, special techniques in sound recording, the art of sound reinforcement, technical ear training, and other related topics. Students will be required to complete a mastered sound recording project that will represent capstone work in the major. During the course of the semester, students will participate in the actual operations associated with a successful Music Industry Studio. After a series of preparatory sessions, students will travel to an off-campus site and will gain hands-on experience under the guidance of an industry specialist. Study will focus on advanced recording techniques and equipment, sound design, and audio manipulation. Students must be in good academic standing and must be able to meet external studio schedules.

Prerequisites & Notes

The prerequisites are MBI 1360, MBI 2170, MBI 2180, and junior standing. There is a lab fee. This course is offered every fall.

Credits: 3

MBI 3310 - Event Management and Promotion

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 & Notes

The prerequisites are MBI 1360 and sophomore standing. There is a course fee. This course is offered every odd-numbered spring.

Credits: 3

MBI 3330 - Venue Management

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 & Notes

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.

Credits: 3

MBI 4040 - Auditory Perception and Psychoacoustics

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 & Notes

The prerequisite is MBI 3170. There is a course fee. This course is offered every odd-numbered fall.

Credits: 3

MBI 4220 - Entrepreneurship in the Music Industry

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 & Notes

The prerequisites are MBI 1360 and junior standing. There is a course fee. This course is offered every fall.

Credits: 3

MBI 4720 - Professional Development Seminar

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. A dress code will be enforced.

Prerequisites & Notes

The prerequisite is permission. This course must be taken prior to at least three internship credits in MBI 4810 or THA 4810. This course is offered every fall.

Credits: 3

MBI 4810 - Music and Performing Arts Internship

This course is intended as a culminating experience of the student's preparation 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.

Prerequisites & Notes

The prerequisite is permission. There may be a course fee. This course is offered every semester.

Credits: 1-6

Philosophy

PHI 1050 - Ethical Practice

[LGSS1] This course is not a survey of traditional moral theory. Instead, this course focuses on ways to act wisely and effectively as moral agents in society. 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.

Prerequisites & Notes

This course is offered every spring.

Credits: 3

PHI 1060 - Problem Solving and Creative Thinking

[LGSS1] This course 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 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 logic games and puzzles, the difficulties of everyday life, and the largest issues on a global level.

Prerequisites & Notes

This course is offered every fall.

Credits: 3

PHI 2030 - Approaches to Philosophy

[LGWL2] This course provides an introduction to philosophy and to methods of philosophical analysis for students who plan to pursue further philosophical work by providing experience beyond that offered in PHI 1010. Students with particular interest in the field may choose to begin their philosophical studies with this course, but it is intended for most students as a second course in philosophy, which will provide the opportunity to grapple with fundamental philosophical questions by examining the works of a series of prominent authors from the history of philosophy.

Prerequisites & Notes

The prerequisite is ENG 1051 or permission.

Credits: 3

PHI 2050 - Nature, Science, and Technology

[LGNR7] 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 & Notes

The prerequisite is ENG 1051 or permission. This course is offered every even-numbered spring.

Credits: 3

PHI 2090 - Popular Culture and Philosophy

[LGWL2] 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 & Notes

The prerequisite is ENG 1051 or permission. This course is offered every odd-numbered spring.

Credits: 3

PHI 2710 - Special Topics in Philosophy

This course provides students the opportunity to pursue topics appropriate to the 2000-level not offered in the general philosophy curriculum.

Credits: 3

PHI 3010 - Political Philosophy

[LGGE6] This course explores the network of fundamental philosophical questions regarding the nature of community, of the state, of the role of the individual, and of the relationships among them. It raises questions about the social practices of Western culture, including the issue of whether the social and the political dimensions of our thinking can justifiably be separated.

Prerequisites & Notes

The prerequisites are PHI 2030 or ENG 1052 or permission.

Credits: 3

PHI 3065 - Philosophy of Film and Television

[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 & Notes

The prerequisite is PHI 2030 or ENG 1052 or permission. This course is offered every even-numbered fall.

Credits: 3

PHI 3075 - Law, Language, and Ethics

[LGGE6] This course investigates the practice of law and the American legal system through an examination of works in traditional and narrative jurisprudence, as well as from diverse fields such as literature, economics, psychology, religion, history, and philosophy. It is designed to equip students with the critical and theoretical tools needed to think about the law and law enforcement from normative, linguistic, and socio-political perspectives, and to provide a context for exploring whether legal institutions are dealing adequately with society's problems. Key areas of inquiry include the relations of law, morality and justice; the fundamental roles within legal systems; the nexus of personal and professional responsibility; the nature of legal interpretation and decision-making; the appropriate aims of the law; the justification and role of punishment; methods of perception; and concepts of reality.

Prerequisites & Notes

The prerequisite is PHI 2030 or ENG 1052 or permission. Criminal Justice majors should have completed CRJ 1010. This course is offered every even-numbered fall.

Credits: 3

PHI 3140 - Philosophies of Art

[LGAD3] 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 & Notes

The prerequisite is PHI 2030 or ENG 1052 or permission. This course is offered every odd-numbered fall.

Credits: 3

PHI 3399 - Gender Issues in Philosophy

This course explores issues related to gender constructs and identities from the point of view of philosophy. 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 & Notes

The prerequisite is PHI 2030 or ENg 1052 or permission.

Credits: 3

PHI 3710 - Special Topics in Philosophy

This course provides students the opportunity to pursue topics appropriate to the 3000-level not offered in the general philosophy curriculum.

Credits: 3

PHI 4610 - Senior Thesis

This capstone course integrates the student's understanding of the history, issues, and demands of philosophy through advanced readings, group discussions, and individually mentored projects. It culminates with a final project on a topic chosen by the student, requiring substantial philosophical research, writing, and reflection.

Prerequisites & Notes

The prerequisite is permission.

Credits: 3

PHI 4710 - Special Topics in Philosophy

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 & Notes

The prerequisite is sophomore standing or permission.

Credits: 1 to 3

PHI 4810 - Internship in Philosophy

The co-op offers practical field work in philosophy 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 co-op 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.

Prerequisites & Notes

The prerequisite is junior standing or permission.

Credits: 1 to 12

PHI 4910 - Independent Study in Philosophy

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 & Notes

The prerequisite is permission.

Credits: 3

Physical Education**PED 1020 - Foundations of Physical Education**

This is an introductory course designed to acquaint students with the roots and historical development of the profession, along with a consideration of the role and function of the subject in the 21st Century. In addition, the course presents an initial view of the national and state regulations and standards which govern and describe best practice in the field today. Vermont's Framework of Standards and Learning Opportunities, Five Standards & 16 Principles for Vermont Educators, NASPE Standards, and Lyndon's requirements for teacher education licensure will be introduced as we look at contemporary issues in Physical Education. The course is open to physical education-teacher education (PETE) majors only.

Prerequisites & Notes

There is a lab fee. This course is offered every fall.

Credits: 3

PED 1030 - Rhythmic Fundamentals

This course provides both a practical experience and teaching course to introduce rhythmic activities, folk, social, and square dance for students kindergarten through high school. It is a required course for physical education majors.

Prerequisites & Notes

There is a lab fee. This course is offered every spring.

Credits: 3

PED 1080 - Standards & Assessment in Physical Education

This course is designed to familiarize students with national and state standards for quality programs in public school physical education. In tandem with discussions of NASPE Standards, the Vermont Framework of Standards and Learning Opportunities, Five Standards and Principles for Vermont Educators, Teaching Licensure Endorsement Regulations, and the Vermont Grade Cluster Expectations (Physical Education), students will be introduced to assessment strategies which comply with these regulations.

Prerequisites & Notes

This course is offered every spring semester.

Credits: 1

PED 1120 - Skills and Techniques

Skills and Techniques 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. Activities may be repeated with departmental approval.

Prerequisites & Notes

There is a lab fee. This course is offered every semester.

Credits: 1 to 2

PED 1510 - Praxis and Portfolio Preparation

This is a one-credit, semester-long workshop designed to identify study needs and habits necessary for success in the Praxis series of pre-professional assessment tests. In addition, and in parallel with Praxis preparation, students will proceed with the construction of their Licensure Portfolio. Vermont Department of Education Portfolio requirements will frame class discussions as students address licensure regulations prior to student teaching.

Prerequisites & Notes

This course is offered every spring.

Credits: 1

PED 2061 - Educational Sport I

This laboratory course focuses on acquiring proficiency in a variety of individual sport skills. The course offers students an opportunity to work on their skills, critique their classmate's skills, and experiment with conducting and recording authentic skill assessment.

Prerequisites & Notes

There is a lab fee. This course is offered every fall. This course is open to PETE majors only.

Credits: 3

PED 2062 - Educational Sport II

This laboratory course focuses on acquiring proficiency in executing the basic team sport skills. The course provides students with the opportunity to work on their skills, to critique skill execution of classmates, and it introduces authentic skill assessment strategies.

Prerequisites & Notes

There is a lab fee. This course is offered every spring. This course is open to PETE majors only.

Credits: 3

PED 2260 - Gymnastics Stunts and Tumbling

This course will enable students to develop body coordination, balance, agility, and rhythm to perform tumbling and gymnastics routines. Students will be introduced to tumbling and gymnastics terminology and related rules to perform and/or observe tumbling and gymnastic routines. Students will learn and incorporate tumbling and gymnastic safety procedures and practice hand-spotting of the basic gymnastic and tumbling skills.

Prerequisites & Notes

This course is offered every spring.

Credits: 2

PED 2820 - Sophomore Field Experience

This course provides an early field experience under the guidance and direction of a licensed physical educator. In seminars, students discuss the field experience, reading assignments related to teaching, curriculum development and assessment, portfolio development, and address inclusion of standard-based activity units and Vermont's Framework of Standards and Learning Opportunities.

Prerequisites & Notes

The prerequisite is sophomore standing. This course is offered every fall.

Credits: 1

PED 3010 - Coaching Methods

Coaching Methods teaches 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.

Credits: 2

PED 3070 - Methods of Teaching Elementary Physical Education

This class provides a field experience under the guidance and direction of a licensed physical educator. During the practicum (minimum of 30 hours), students teach lessons and conduct authentic skill assessment in an elementary setting.

Prerequisites & Notes

The pre-requisites are junior standing in the PETE program and a 2.5 GPA. The co-requisite is PED 3080. There is a lab fee. This course is offered every fall semester.

Credits: 2

PED 3080 - K-5 Physical Education

This course will deliver practical activities and theoretical content for the elementary level, focusing upon fundamental movement and fitness activities, and the management and assessment strategies which are "best-practice" at this level.

Prerequisites & Notes

The pre-requisites are junior standing in the PETE program and a 2.5 GPA. The co-requisite is PED 3070. There is a lab fee. The course is offered every fall semester.

Credits: 2

PED 3140 - Methods of Teaching Secondary Physical Education

This class provides a field experience under the guidance and direction of a licensed physical educator. During the practicum (minimum of 30 hours), students teach lessons and conduct authentic skill assessment in a secondary setting.

Prerequisites & Notes

The pre-requisites are PED 3070 or permission. The co-requisite is PED 3145. There is a lab fee. The course is offered every spring semester.

Credits: 2

PED 3145 - Curriculum Design in Physical Education

This course provides an opportunity for students to design a yearly curriculum and standard-based physical education units that integrate the Vermont Framework of Standards and Learning Opportunities, Grade Cluster Expectations (Physical Education), and the NASPE Standards.

Prerequisites & Notes

The pre-requisites are junior standing in the PETE program and a 2.5 GPA. The co-requisite is PED 3140. There is a lab fee. This course is offered every spring semester.

Credits: 2

PED 3150 - Methods of Teaching Health

This course is designed to provide students with principles, methods, and techniques that may be utilized for health promotion in schools and in community health settings. Students will have the opportunity to analyze fundamental concepts and skills that are essential in the development and success of school health programs.

Credits: 3

PED 4810 - Internship in Physical Education

As arranged.

Credits: 1 to 6

PED 4830 - Physical Education Practicum

This course offers a full-time teaching placement in a public or private school under the supervision of an experienced physical educator(s) for the purpose of applying teaching principles and experimenting with one's teaching style. Students must complete 7 weeks at the elementary level and 7 weeks at the secondary level, or 14 weeks in a combination elementary and secondary school. Student teachers return to campus once a month for a seminar.

Prerequisites & Notes

The prerequisite is permission. This course is offered every semester. There is a lab fee.

Credits: 1 to 12

Physics

PHY 1120 - Introduction to Astronomy

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 & Notes

There is a lab fee. This course is offered every fall.

Credits: 4

PHY 2010 - Introduction to Electricity and Electronics

[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 & Notes

The prerequisite is MAT 1020, or permission. There is a lab fee. This course is offered every odd-numbered fall.

Credits: 4

PHY 2020 - Energy, Environment, and Society

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 & Notes

There is a lab fee. This course is offered every spring.

Credits: 4

PHY 2025 - Physics for the Environment

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 & Notes

The prerequisite is MAT 1020 or MAT 1060. There is a lab fee. This course is offered every spring.

Credits: 4

PHY 2030 - The Universe

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 & Notes

The prerequisite is MAT 1020 or MAT 1060 or equivalent. There is a lab fee. This course is offered every spring.

Credits: 4

PHY 2031 - Fundamental Physics I

[LGSE8] 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 & Notes

The prerequisite is MAT 1020. There is a lab fee. This course is offered every fall.

Credits: 4

PHY 2032 - Fundamental Physics II

This course includes such topics as electricity, magnetism, electromagnetic waves, and modern physics.

Prerequisites & Notes

The prerequisite is PHY 2031. There is a lab fee. This course is offered every spring.

Credits: 4

PHY 2061 - Classic Physics I

[LGSE8] 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 & Notes

The prerequisite is MAT 1531. There is a lab fee. This course is offered every semester.

Credits: 4

PHY 2062 - Classic Physics II

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 & Notes

The prerequisite is PHY 2061. There is a lab fee. This course is offered every semester.

Credits: 4

PHY 2063 - Classic Physics III

Classic Physics III 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 & Notes

The prerequisites are PHY 2062 and MAT 2532. There is a lab fee. This course is offered every odd-numbered spring.

Credits: 4

PHY 2120 - Physics Modules

Physics Modules 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 & Notes

There is a lab fee.

Credits: 1 to 4

PHY 3120 - Modern Physics

Modern Physics 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 & Notes

The prerequisite is PHY 2063 or permission. There is a lab fee.

Credits: 4

PHY 4110 - Physics Modules

Physics Modules 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 & Notes

The course requires 15 lecture/lab hours per credit. Permission of the instructor is required for registration. There is a lab fee.

Credits: 1 to 4

PHY 4530 - Research in Physics

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 & Notes

Any science major is eligible with permission. There is a lab fee.

Credits: 3 to 6

Political Science

POS 1010 - Introduction to Political Science

[LGGE6] Introduction to Political Science surveys the basic principles and institutions of governments and examines them in the context of modern governments, both democratic and non-democratic.

Prerequisites & Notes

This course is offered every semester.

Credits: 3

POS 1020 - American Politics and Government

[LGGE6] 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.

Prerequisites & Notes

This course is offered every spring.

Credits: 3

POS 1030 - Comparative Government

[LGGE6] This course compares political institutions and processes of nations in the 21st century.

Prerequisites & Notes

This course is offered every fall.

Credits: 3

POS 2040 - International Relations

[LGGE6] 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.

Prerequisites & Notes

This course is offered every odd-numbered fall.

Credits: 3

POS 2710 - Topics in Political Science

This course provides students the opportunity to pursue topics of special interest in political science appropriate to the 2000- level that are not offered in the general Social Science curriculum.

Prerequisites & Notes

The prerequisite is sophomore standing

Credits: 1 to 3

POS 2910 - Independent Study in Political Science

Independent Study in Political Science 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 & Notes

The prerequisites are sophomore standing and permission.

Credits: 1 to 3

POS 3060 - Vermont Politics

[LGGE6] Vermont Politics 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.

Prerequisites & Notes

There is a lab fee. The prerequisite is sophomore standing or permission. This course is offered every spring.

Credits: 3

POS 3170 - U.S. Constitutional Law

[LGGE6] 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.

Prerequisites & Notes

This course is offered every odd-numbered spring.

Credits: 3

POS 3210 - Canadian Politics

[LGGE6] The course will survey the landscape of Canadian politics to provide students with historical and contextual background. This will enable students to critically analyze current-day developments within Canada's body politic. The course goal is to enhance student understanding of Canadian political institutions and culture in a manner that facilitates trans-border understanding of our northern neighbor.

Prerequisites & Notes

The prerequisite is sophomore standing. There is a lab fee. This course is offered every odd-numbered fall.

Credits: 3

POS 3260 - Middle East Politics and Government

[LGGE6] The course introduces students to the fundamentals of politics in the Middle East. Students will examine historic developments and concepts that are relevant for understanding the political contexts of regions typically associated with the term "the Middle East." Special emphasis is placed on the similarities and differences from the Maghreb to Pakistan. The class provides the opportunity for students to become acquainted with individual states through independent research, presentations, and class discussion.

Prerequisites & Notes

The prerequisite is sophomore standing. This course will be offered every odd-numbered spring.

Credits: 3

POS 3310 - Latin American Politics

[LGGE6] The course introduces students to the fundamentals of Latin American politics and examines concepts that are particularly relevant to the political context of the region. The class also provides the opportunity for students to become acquainted with individual states through independent research, presentations, and class discussion.

Prerequisites & Notes

The prerequisite is sophomore standing. This course will be offered every even-numbered spring.

Credits: 3

POS 3430 - Government and Politics in Russia and Post-Soviet States

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 & Notes

This course is offered every even-numbered Fall semester.

Credits: 3

POS 4710 - Topics in Political Science

This course provides the opportunity to pursue topics of special interest in social science appropriate to the 4000-level not offered in the general Social Science curriculum.

Prerequisites & Notes

The prerequisites are junior standing and permission.

Credits: 1 to 3

POS 4810 - Internship in Political Science

This course provides practical field work in political science which is arranged in conjunction with the Cooperative Education Office. 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 who will make on-site visits. The co-op emphasizes the 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 & Notes

The prerequisites are junior standing and permission.

Credits: 1 to 6

POS 4910 - Independent Study in Political Science

Independent Study in Political Science 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 & Notes

The prerequisites are junior standing and permission.

Credits: 1 to 3

Psychology and Human Services

PSY 1010 - Introduction to Psychology

[LGSS1] This course introduces students to the major concepts, issues, research and scientific methods upon which our knowledge of human thought and behavior are 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.

Prerequisites & Notes

This course is offered every semester.

Credits: 3

PSY 1040 - Human Interaction

Human Interaction 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 & Notes

The prerequisite is PSY 1010, PSY 1050 or concurrent enrollment. This course is offered every semester.

Credits: 3

PSY 1050 - Human Growth and Development

[LGSS1] 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.

Prerequisites & Notes

This course is offered every semester.

Credits: 3

PSY 1130 - Introduction to Substance Abuse

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.

Credits: 3

PSY 2120 - Human Sexuality

[LGSS1] Human Sexuality explores personal, social, and cultural beliefs, attitudes, and values toward human sexuality. The issues covered include sexual anatomy and physiology, childbirth, birth control, venereal disease, sex roles, sexual fantasy, body image, homosexuality, love, intimacy, and interpersonal communication.

Prerequisites & Notes

This course is offered every fall and summer.

Credits: 3

PSY 2270 - Introduction to Human Services

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. It is required of human services majors, and limited to human services or psychology majors.

Prerequisites & Notes

The prerequisite is sophomore standing. There is a lab fee. This course is offered every semester.

Credits: 3

PSY 2411 - Introduction to Research Methods

This course discusses the application of qualitative and quantitative methods to research on human behavior. Topics include the philosophy of science, observation, surveys, field research, correlation, experimental and quasi-experimental designs, hypothesis testing, experimenter bias, and research ethics. Individual and group laboratory experiments are included.

Prerequisites & Notes

The prerequisites are PSY 1010, PSY 1050 or permission, and sophomore standing. This course is offered every semester.

Credits: 3

PSY 2811 - Field Work

Field Work 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 & Notes

The prerequisites are PSY 1040 and a 2.00 GPA. This course is offered every semester.

Credits: 3

PSY 2812 - Field Work Seminar

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. It is required of and limited to majors in Applied Psychology and Human Services.

Prerequisites & Notes

The prerequisites are PSY 1040, and a 2.00 GPA. This course is offered every semester.

Credits: 3

PSY 3010 - Theories of Personality

This course focuses on significant theories which 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 & Notes

The prerequisites are PSY1010 and junior standing, or permission. This course is offered every fall.

Credits: 3

PSY 3040 - Cognitive Psychology

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 & Notes

The prerequisites are PSY 1010 and sophomore standing. This course is offered every odd-numbered fall.

Credits: 3

PSY 3050 - Child Development

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.

Prerequisites & Notes

The prerequisites are PSY 1050, or EDU 3020 and sophomore standing, or permission. This course is offered every spring.

Credits: 3

PSY 3070 - Abnormal Psychology

Abnormal Psychology 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 & Notes

The prerequisites are PSY 1010 and sophomore standing, or permission. This course is offered every semester.

Credits: 3

PSY 3080 - Macro Perspectives in Human Services

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 & Notes

The prerequisites are PSY 2270, PSY 2811 and PSY 2812, and junior standing, or permission. This course is offered every semester.

Credits: 3

PSY 3085 - Contemporary Issues in Social Psychology

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 & Notes

Prerequisites are PSY 1010 and PSY 2411, or permission. The course will be offered every even-numbered spring.

Credits: 3

PSY 3090 - Lifespan Across Cultures

[LGCC4] 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 & Notes

The prerequisites are PSY 1050 and sophomore standing, or permission. This course is offered every spring.

Credits: 3

PSY 3110 - Aging and Older Adulthood

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.

Prerequisites & Notes

The prerequisites are PSY 1010 or PSY 1050 and sophomore standing, or permission. This course is offered every fall.

Credits: 3

PSY 3210 - Perspectives on Death and Dying

[LGSS1] The course explores philosophical, psychological, and literary accounts of death. Speakers, films, and classroom simulations are used to examine current social attitudes and customs surrounding death as well as the meaning of death in present times.

Prerequisites & Notes

The prerequisite is junior standing. This course is offered every spring.

Credits: 3

PSY 3230 - Psychology of Gender

Psychology of Gender 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 & Notes

The prerequisites are PSY 1050 or PSY 2070 and junior standing.

Credits: 3

PSY 3260 - Adolescent Development

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.

Prerequisites & Notes

The prerequisites are PSY 1050 or EDU 3020 and sophomore standing, or permission. This course is offered every fall.

Credits: 3

PSY 3280 - Interventions for Health-Behavior Change

This online course will provide 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. A partial listing of health-behavior topics to be covered includes substance use, safe-sex practices, dietary change, physical activity, and mindfulness-based stress reduction (MBSR). Although the class does not meet online during a specified time there are lectures, written assignments and activities that require at least biweekly access to the LSC Website. Successful participation in the course requires students to have access to a computer with an internet connection.

Prerequisites & Notes

Prerequisites are PSY 1010 and sophomore standing, or permission. This course is offered online every summer.

Credits: 3

PSY 3811 - Professional Experience

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 & Notes

The prerequisite is permission. There may be a lab fee.

Credits: 1-3

PSY 4010 - Biological Psychology

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 & Notes

The prerequisites are nine credits in PSY or BIO 1210 and BIO 1211. This course is offered every spring.

Credits: 3

PSY 4020 - Psychological Testing

Psychological Testing studies standardized tests, their function, selection, administration, statistical summarization, interpretation, and their use by various social, educational, and industrial agencies.

Prerequisites & Notes

The prerequisites are PSY 1010 and sophomore standing. There is a lab fee. This course is offered every spring.

Credits: 3

PSY 4110 - Creative Therapies

This course provides an introduction to the theory and practice of a number of the creative therapies which might include dance/movement, art, music, poetry, or drama. The course addresses application of the creative therapies to the field of psychology.

Prerequisites & Notes

The prerequisites are nine credits in PSY and junior standing.

Credits: 3

PSY 4120 - History of Psychology

[LGPP5] This course explores the emergence of psychology as a scientific discipline. Students learn about the main themes, events, and the important people who contributed significantly to the foundation of psychology as a scientific discipline.

Prerequisites & Notes

The prerequisites are nine credits in PSY and junior standing. This course is offered every odd-numbered fall.

Credits: 3

PSY 4140 - Women in Psychology

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 & Notes

The prerequisites are nine credits in PSY and junior standing.

Credits: 3

PSY 4145 - Responding to Psychological Trauma

This course offers an integration of contemporary theories, empirical research, and evidence-based practices on psychological trauma. Content will address individual adaptation to extreme stress associated with military combat, crime victimization, interpersonal violence, torture, political imprisonment, disaster, serious accidents, and life-threatening illness. Topics will include

the effects of traumatic stress on adults and children, risk and resilience factors, Acute and Posttraumatic Stress Disorders, and strategies for prevention and coping. The course includes participation in practice simulations, disaster-response training exercises, and related activities. This course is particularly relevant for students in the helping professions who may be exposed to trauma on the job or assist victims of trauma in practice or school settings.

Prerequisites & Notes

Prerequisites are PSY 1010 and junior standing, or permission. There is a lab fee. This course is offered every odd-numbered fall.

Credits: 3

PSY 4150 - Understanding and Working with At-Risk Families

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. Students will examine the impact of domestic violence, child abuse and neglect, substance abuse, poverty, homelessness, and mental illness on family functioning with attention to gender, race, ethnicity, culture, sexual orientation, and social class.

Prerequisites & Notes

The prerequisites are PSY 4151 and junior standing, or permission.

Credits: 3

PSY 4151 - Counseling

This course provides an overview of the counseling process and an introduction of the counseling profession. 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 & Notes

The prerequisites are PSY 1010; PSY 1050 or PSY 1160; and PSY 3070, and junior standing. This course is offered every semester.

Credits: 3

PSY 4160 - Counseling with Groups

The course covers the theories and practices of working with people in groups and focuses on counseling and support or self-help groups for children, adolescents and adults.

Prerequisites & Notes

The prerequisite is PSY 4151.

Credits: 3

PSY 4170 - Developmental Psychopathology

This course is designed to familiarize students with the DSM diagnostic criteria related to a variety of psychological disorders which occur in childhood and adolescence. The focus will be on helping students identify the biopsychosocial factors associated with these disturbances, as well as associated strategies for assessment, intervention, treatment, and prevention.

Prerequisites & Notes

The prerequisite is PSY 3050 or PSY 3260 and PSY 3070.

Credits: 3

PSY 4180 - Exploring Race & Challenging Racism in the US

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.

Prerequisites & Notes

This course is limited to students with junior standing or permission. This course is offered every spring.

Credits: 3

PSY 4215 - Substance-Abuse Treatment

This course will explore assessment of substance abuse, therapeutic approaches, and supportive aftercare for those dealing with drug and/or alcohol addiction. Students will learn about definitions of "addiction"; the effects and consequences of drug, alcohol, and tobacco use; theories and models of drug and/or alcohol use and dependency; and models of treatment for a diverse range of clients. The course is designed to increase students' understanding of best practices in the treatment of substance-abuse disorders.

Prerequisites & Notes

The prerequisite is PSY 1130 and sophomore standing. This course is offered every spring.

Credits: 3

PSY 4710 - Special Topics in Psychology

This course offers students the opportunity to concentrate on topics not covered in the general Psychology curriculum.

Prerequisites & Notes

The prerequisites are PSY 1010 or permission.

Credits: 1 to 4

PSY 4720 - Senior Seminar

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 & Notes

This course is limited to seniors fully accepted into the psychology/human services major. The prerequisites are successful completion of the writing competency and information literacy graduation standards.

Credits: 3

PSY 4820 - Internship

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 & Notes

The prerequisites are PSY 2811, PSY 2812, a 2.00 GPA and acceptance into the major.

Credits: 6 to 9

PSY 4900 - Independent Study

Independent Study 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.

Credits: 1 to 6

PSY 4921 - Senior Research I

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 & Notes

The prerequisites are PSY 2411, MAT 2021, and senior standing.

Credits: 3

PSY 4922 - Senior Research II

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 & Notes

The prerequisites are PSY 4921 and senior standing.

Credits: 3

Russian

RUS 1011 - Russian I

[LGCC4] 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.

Credits: 3

RUS 1012 - Russian II

[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.

Credits: 3

RUS 2010 - Mystery of Russian Soul and Culture

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.

Credits: 3

Science

SCI 1000 - First-Year Seminar in Science and Sustainability

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 & Notes

This course is offered every fall.

Credits: 1

SCI 1030 - The Life, Earth, and Physical Sciences

[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 & Notes

The prerequisite is math competency. There is a lab fee. This course is offered every semester.

Credits: 3

SCI 1070 - Food for Thought

[LGNR7] The 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 will demonstrate to students the role of dietary choices in building more sustainable food systems and healthier populations, and will teach students to draw connections between their own food choices and environmental impacts on all scales.

Prerequisites & Notes

There are no prerequisites. There is a lab fee. This course is offered every semester.

Credits: 3

SCI 2310 - Physical Science in the Classroom

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 & Notes

This course is limited to Elementary Education majors only. There is a lab fee. This course is offered every semester.

Credits: 4

SCI 4010 - History of Science

[LGPP5] The History of Science 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 & Notes

The prerequisite is a minimum of two undergraduate courses in Natural Sciences, or permission. This course is offered every odd-numbered fall.

Credits: 4

SCI 4110 - History of Agriculture

The 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 & Notes

Students must have Junior/Senior class standing or permission of the instructor. There is a lab fee. This course is offered every odd-numbered fall.

Credits: 4

SCI 4610 - Senior Seminar

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 & Notes

The prerequisite is senior standing or permission. This course is offered every spring.

Credits: 1

SCI 4810 - Internship in Environmental Science

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.

Credits: 3 to 4

SCI 4900 - Research in Science

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 & Notes

Any Science or Sustainability Studies major is eligible, with permission. There is a lab fee.

Credits: 1 to 3

Social Science

SSC 1030 - Exploring the Social Sciences

[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 & Notes

This course is offered every semester.

Credits: 3

SSC 2020 - Experience the World

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 & Notes

The prerequisite is sophomore standing or permission. This course is offered every year.

Credits: 1

SSC 3020 - Research Design and Analysis

This course develops the skills to successfully undertake an independent research project. The course includes a review of historical, descriptive, correlational, experimental, and field-study methods of research. The instruction reviews the language and syntax of the scientific method and sampling, analysis techniques, and the drawing of logical conclusions. The laboratory sessions provide an overview of different non-parametric statistical tests.

Prerequisites & Notes

The prerequisite is junior standing. This course is offered every fall semester.

Credits: 3

SSC 3399 - Gender Issues in Social Sciences

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 & Notes

The prerequisite is sophomore standing.

Credits: 3

SSC 3820 - Global Studies Fieldwork

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 & Notes

The prerequisite is sophomore standing or permission.

Credits: 1 to 6

SSC 4710 - Topics in Social Science

This course offers the study of topics of special interest in social science not extensively treated in regularly scheduled offerings.

Prerequisites & Notes

The prerequisite is permission of instructor.

Credits: 1 to 3

SSC 4720 - Senior Thesis/Capstone

This course allows students to identify, design, and implement an original thesis or capstone project, along with associated research study related to a specific area of student interest. The instruction assists students to identify problems, review relevant literature, implement their specified research design, analyze data, and present and defend their findings. The capstone is a faculty-supervised project which is an alternative to the thesis, involving direct participation in fieldwork, internship, travel, or practicum.

Prerequisites & Notes

Prerequisite is SSC 3020. This course is offered every spring semester.

Credits: 3

SSC 4740 - Social Science Seminar

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. This course includes a career component designed to help students prepare for graduate schools and/or professional paths.

Prerequisites & Notes

The course is limited to junior standing or by permission in the Social Science major.

Credits: 3

Sociology

SOC 1010 - Introduction to Sociology

[LGSS1] 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.

Prerequisites & Notes

This course is offered every semester.

Credits: 3

SOC 2220 - The Family in Society

[LGSS1] This course analyzes contemporary American families and emerging alternatives from a cross-cultural and historical perspective. The instruction covers such issues as sexuality and love, work and the division of labor, social class, gender, family policy, and divorce.

Prerequisites & Notes

This course is offered every even-numbered fall.

Credits: 3

SOC 2710 - Topics in Sociology

This course provides students the opportunity to pursue topics of special interest in sociology appropriate to the 2000-level that are not offered in the general Social Science curriculum.

Prerequisites & Notes

The prerequisite is sophomore standing

Credits: 1 to 3

SOC 2910 - Independent Study in Sociology

Independent Study in Sociology 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 & Notes

The prerequisite is sophomore standing and permission

Credits: 1 to 3

SOC 3050 - Gender and Society

[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 & Notes

Prerequisite is ANT 1030 or SOC 1010. This course is offered every even-numbered spring.

Credits: 3

SOC 4710 - Topics in Sociology

This course offers the study of topics of special interest in sociology not extensively treated in regularly scheduled offerings.

Prerequisites & Notes

The prerequisite is permission of instructor.

Credits: 1 to 3

SOC 4810 - Internship in Sociology

The co-op provides an opportunity for practical field work in sociology 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 co-op 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 & Notes

The prerequisites are ANT 1030 or SOC 1010, junior standing and permission.

Credits: 1 to 6

SOC 4910 - Independent Study in Sociology

Independent Study in Sociology 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 & Notes

The prerequisites are ANT 1030 or SOC 1010, junior standing and permission.

Credits: 1 to 3

Spanish

SPA 1011 - Spanish I

[LGCC4] 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.

Prerequisites & Notes

There is a lab fee. This course is offered every fall.

Credits: 3

SPA 1012 - Spanish II

[LGCC4] 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 & Notes

This course is offered every spring.

Credits: 3

SPA 2910 - Independent Study in Spanish

This course provides an opportunity for advanced study in selected areas of interest.

Prerequisites & Notes

The prerequisite is permission of instructor.

Credits: 1 to 3

Sport Leadership

SPL 1010 - Introduction to Sport Leadership

This introductory course addresses the different managerial and administrative components of the sport industry. Students are introduced to varying aspects of sport leadership. Topics covered will include but are not limited to the history of sport management, management principles applied to sport, as well as professional aspects of sport such as marketing, finance, law,

and ethics. Several levels of sport are also covered such as high-school, college, professional and international sports. Students will learn about careers within sport agency, facilities management, event management, sales, broadcasting, sporting-goods sales, sport medicine, and recreation among others. Students will be exposed to different career opportunities and trends in sports.

Prerequisites & Notes

There is a course fee. This course is offered every spring.

Credits: 3

SPL 2010 - Sport Marketing

This course is designed to give students an understanding of the marketing process as it applies to the sport industry. Topics include market-research techniques (e.g., focus groups and surveys), pricing, promotional-development strategies, and advertising at the collegiate and professional level. Students will conduct actual market research.

Prerequisites & Notes

There is a course fee. The course is offered every fall.

Credits: 3

SPL 2020 - Sport Ethics and Social Issues

This course is designed to allow students to examine contemporary social and moral issues confronting sport leaders. Through an analytical framework students will develop necessary tools to make moral and ethical decisions. The course employs several models that can be used as a platform for ethical decision-making. Students will also engage in case-study analysis for practical application skills. Topics include sportsmanship, performance-enhancing drugs, cheating, violence, Title XI, and gambling.

Prerequisites & Notes

This course is offered every spring.

Credits: 3

SPL 2030 - Athletic Administration

This course addresses the varying areas of athletic administration, including compliance, licensing, sponsorship, development and fundraising, academics, ticket office, facilities management, sports information, event management, equipment, and grounds at the Division I, II, III, and interscholastic levels.

Prerequisites & Notes

There is a course fee. This course is offered every fall.

Credits: 3

SPL 2040 - Sport Media

This course covers the evolution of sports media by examining everything from early sports journalism to today's social-media influence. The course focuses on history, ethical impact, and consumption patterns across multiple platforms, including television, radio, print, digital, mobile, and tablet. Throughout the course, students will develop insight into the sports industry's relationship—both positive and negative—with the media. There is a course fee. This course is offered every fall.

Prerequisites & Notes

There is a course fee. This course is offered every fall.

Credits: 3

SPL 2810 - Sport Leadership Practicum

This course provides students in the sport leadership program with an opportunity for sport-related practical experience within the college. This experience is intended to be at an intermediate level for first- and second-year students, as well as to serve as a precursor to the advanced practicum. This course may be repeated once for credit. This practicum must be pre-approved by an Exercise Science Department faculty member.

Prerequisites & Notes

This course is offered every semester.

Credits: 3

SPL 3010 - Sport Business

This course is designed to provide 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 health clubs and in professional and amateur sports. A varying range of topics related to the multibillion-dollar industry of sports is covered in this course, including the financial dilemmas that sport managers face, such as budgeting and accounting.

Prerequisites & Notes

The prerequisites are SPL 1010, SPL 2010, and SPL 2020. There is a course fee. This course is offered every spring.

Credits: 3

SPL 3020 - Sport Law

This course is designed for in-depth and comprehensive examination of varying aspects of the laws that are pertinent to sports. Students enrolled in this course will develop a keen understanding of law and various methodologies of applying the law to the sports industry. Six major themes are explored: (1) regulatory aspects of professional (and to a lesser extent amateur) sports, (2) contractual issues, (3) employment (e.g., labor relations and antitrust law), (4) personal injury and risk management, (5) intellectual property, and (6) Title IX.

Prerequisites & Notes

The prerequisites are SPL 1010, SPL 2010, and SPL 2020. This course is offered every spring.

Credits: 3

SPL 3810 - Sport Leadership Advanced Practicum

This course provides students in the sport leadership program with an opportunity for sport-related practical experience within the college. This experience is intended to be at an advanced level for third- and fourth-year students, as well as to serve as a precursor to the internship experience. This course may be repeated once for credit. This practicum must be pre-approved by an Exercise Science Department faculty member.

Prerequisites & Notes

The prerequisite is junior standing or permission. This course is offered every semester.

Credits: 3

SPL 4010 - Sport Leadership and Governance

This course evaluates the varying leadership theories and practices within the sports industry. Students will have the opportunity to identify both their strengths and weaknesses, as well as to develop their leadership capacity. Students will understand what it takes to be a highly effective leader in the sport industry. This course also addresses many of the issues of governing sports, including governance structures, policy development, organizational theories, and realignments.

Prerequisites & Notes

The prerequisites are SPL 1010, SPL 2010, and SPL 2020. This course is offered every fall.

Credits: 3

Theater

THA 1040 - Interpreting Contemporary Dramatic Literature

[LGWL2] This study 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 & Notes

The prerequisite is THA 1041. This course is offered every odd-numbered spring.

Credits: 3

THA 1041 - Introduction to Theatre

[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 & Notes

There may be a course fee. This course is offered every fall.

Credits: 3

THA 2080 - Theatre Arts in The Dramatic Format

[LGWL2] 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.

Prerequisites & Notes

There is a lab fee. This course is offered every even-numbered spring.

Credits: 3

THA 2121 - Acting I

[LGAD3] 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.

Prerequisites & Notes

This course is offered every fall.

Credits: 3

THA 2122 - Acting II

[LGAD3] 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 & Notes

The prerequisites are THA 2121 and permission of the instructor. This course is offered every even-numbered spring.

Credits: 3

THA 2710 - Special Topics in Theatre

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 & Notes

The prerequisite is permission of the instructor. There may be a lab fee.

Credits: 3

THA 2840 - Theatre Performance

This course presents students with an opportunity to apply principles of acting and related arts to a live stage performance. Students must be available for participation in a main-stage production; enrollment in this course does not guarantee that a student will be cast in an acting role. Roles and support positions will be available for earned credit, and assignments are determined by the instructor through the audition process.

Prerequisites & Notes

The prerequisite is permission. This course may be repeated once for credit. This course is offered every semester.

Credits: 3

THA 2845 - Theatre Technical Crew

This course introduces students to the non-performance, collaborative fields involved in making a theatrical production happen. Instruction features an introduction to scenic, costume, lighting and sound design, as well as practical, applied group-work scenarios. Students must be available for participation in a main-stage production as part of the run crew. Instruction will include

sessions in OSHA safety regulations and practices. Positions will be available for earned credit, and assignments are solely determined by the instructor.

Prerequisites & Notes

The prerequisite is permission. This course may be repeated once for credit. This course is offered every semester.

Credits: 3

THA 3070 - Voices of the American Theatre

[LGWL2] This course surveys the birth and development of the American Theatre. The instruction focuses on the timeline of events that shaped the modern American Theatre, from eighteenth-century melodrama through twenty-first-century modernism. Emphasis is placed on the great American voices of the first half of the twentieth century, including Eugene O'Neill, Tennessee Williams, and Arthur Miller. This course is writing-intensive.

Prerequisites & Notes

The prerequisites are THA 1040 and THA 1041.

Credits: 3

THA 3080 - Founders of Modern Drama

[LGWL2] This course introduces students to the landmark European playwrights who redefined dramatic writing in the nineteenth and twentieth centuries. Instruction focuses on the evolution of dramatic forms resulting from response and rebellion. Course material features works by Ibsen, Chekhov, Brecht, Strindberg, and Beckett among others. This course is writing-intensive.

Prerequisites & Notes

Prerequisites are THA 1040 and THA 1041.

Credits: 3

THA 3211 - Directing I

[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 & Notes

The prerequisites are THA 1041 and THA 2080. There is a lab fee. The course is offered every odd-numbered spring.

Credits: 3

THA 4710 - Special Topics in Theatre

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 & Notes

The prerequisite is permission of instructor. There may be a lab fee.

Credits: 3

THA 4810 - Theatre Arts Internship

This course is intended to prepare a student for the demands of a career in theatre arts management. Students will identify potential internship opportunities, develop learning objectives appropriate to the chosen internship, and prepare a professional resume. During the course, students will contact and secure a site supervisor who will oversee the student's progress throughout the internship. Students will negotiate a contractual agreement with the site supervisor and will coordinate activities through their faculty supervisor. Students may not enter into an internship agreement before enrolling in this course.

Prerequisites & Notes

The prerequisite is permission. There may be a course fee. This course is offered every semester.

Credits: 1-6

THA 4820 - Professional Theatre Internship

This course is offered in conjunction with the Internship/Apprentice Program of the Weathervane Repertory Theatre in Whitefield, NH, an A.E.A. affiliated professional theatre. Interns choose their primary field of study for specialization under the supervision of a professional mentor. Interns become exclusively responsible for developing the performances for the Patchwork Players, the youth theatre wing of the Weathervane Theatre, as well as being cast in main stage productions and assisting in production capacities. Weathervane Intern Program tuition required.

Prerequisites & Notes

This course is offered every summer.

Credits: 3

THA 4910 - Independent Study

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 & Notes

The prerequisite is permission of instructor. The independent study contract must be approved, signed and submitted before the current semester's registration period closes.

Credits: 3

Video

VID 1060 - Video Production I

This course focuses on the visual aspects of motion picture production and introduces students to fundamental aspects of cinematography and non-linear video editing. Student projects will emphasize the aesthetic nature of the cinematic medium as a

form of visual communication.

Prerequisites & Notes

The prerequisite is FLM 1055 or permission. There is a lab fee, but students may be required to incur additional expenses toward the completion of their projects. This course is offered every spring.

Credits: 3

VID 2060 - Video Production II

This course further develops the techniques presented in VID 1060 and introduces basic aspects of sound recording and design 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 video projects that emphasize motion picture grammar, form, and style.

Prerequisites & Notes

The prerequisite is VID 1060. There is a lab fee, but students may be required to incur additional expenses toward the completion of their projects. The course is offered every fall.

Credits: 3

VID 3060 - Advanced Video

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 & Notes

The prerequisite is VID 2060. There is a lab fee, but students may be required to incur additional expenses toward the completion of their projects. This course is offered every spring.

Credits: 3

VID 4060 - Video Workshop

This course involves students in the creation of original works of cinematic art and offers advanced students intensive inquiry into specific video production topics. 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. Students will generate original material to produce a DVD portfolio of their work. This course may be repeated for credit.

Prerequisites & Notes

The prerequisite is VID 3060 and permission. There is a lab fee, but students may be required to incur additional expenses toward the completion of their projects. This course is offered every semester.

Credits: 3

Faculty and Staff

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

- [The Faculty](#)
- [Part-time Faculty](#)

- Professor Emeriti
- The Administration
- The College Directors and Staff
- Board of Trustees of the Vermont State Colleges
- Past Lyndon Presidents

The Faculty

ANDERSON, THOMAS (2008) Associate Professor of Mountain Recreation Management, B.S., M.S. Western Illinois University

ATKINS, NOLAN T. (1997) Professor of Atmospheric Sciences, B.S. University of Minnesota; M.S., Ph.D. University of California Los Angeles

BALCOM, IAN (2011) Assistant Professor, Natural Science, B.S. University of Vermont; Ph.D. University of California at Riverside

BELILES, DAVID B. (1992) Professor of English, B.A. George Washington University ; M.A. University of Texas; Ph.D. Vanderbilt University

BENNION, JANET (2003) Professor of Sociology and Anthropology, B.A. Utah State University; M.A. Portland State University; Ph.D. University of Utah

BOULEY, KATIE (2010) Assistant Professor of Exercise Science, B.S. University of Massachusetts; M.S. Springfield College; Ph.D. Springfield College

BOZEMAN, JAMES R. (1985) Professor of Mathematical Sciences, B.S. Worcester Polytechnic Institute; M.A. University of California; A.M. Dartmouth College; Ph.D. Dartmouth College

BROADWATER, ERNEST H. (1974) Professor of Education, B.S. Keene State College; M.Ed. Temple University; Ph.D. Ohio State University

CASTALDO, JOHN, (2011) Assistant Professor of Business Administration, B.A. Suffolk University, M.B.A. University of Phoenix

DALEY, DANIEL (2008) Associate Professor of Mathematical Sciences, A.S., B.S., M.Ed. Lyndon State College

LATHROP, ALISON S. (1999) Professor of Geology, B.Sc. Bates College; Ph.D. Dartmouth College

LEDOUX, GREGORY (2009) Assistant Professor in Exercise Science, B.S. Lyndon State College; M.S. Bridgewater State College

LEWIS, TIMOTHY R. (1999), Professor of Electronic Journalism Arts, B.A. University of Vermont ; M.A. Union Institute & University/Vermont College

LUCE, BENJAMIN (2008), Associate Professor of Natural Sciences/Physics, B.S. State University of New York at Fredonia; M.S., Ph.D. Clarkson University

LUNA, ANDREA (1997) Professor of English/Coordinator of Composition, B.S. University of Vermont; M.A. University of New Hampshire; Ph.D. University of New Hampshire

McCOY, DAISY (1991) Professor of Mathematical Science, B.A. Douglass College of Rutgers University; M.S. Virginia Tech; Ph.D. Virginia Tech

MEACHEM, MEAGHAN (2008) Assistant Professor of Electronic Journalism Arts, B.S. Lyndon State College; M.A. Marlboro College Graduate Center

METZKE, LINDA K. (1988) Professor of Graduate Education, B.S. University of Wisconsin; M.S. University of Wisconsin; Ph.D. Marquette University

MIRKIN, BENJAMIN (2013) Assistant Professor of Mountain Recreation Management, M.A. University of Northern Colorado; Ph.D. University of New Hampshire

MOORE, BRITT (2009) Instructor, Music Business and Industry, B.A. California State University

MORISON, WILLIAM (2012) Assistant Professor of Business Administration, B.S. Whittemore School of Business and Economics, University of New Hampshire; M.B.A. Southern New Hampshire University

DELEO, JOHN (1976) Professor of Mountain Recreation Management, B.S. Northeastern University; M.S. University of Utah; Ed.D. Boston University

DOLL, SEAN (2011) Assistant Professor of Mountain Recreation Management, A.A. Brookdale Community College; B.S. Frostburg State University; M.Ed. Plymouth State University

EVANS, ALEXANDRIA (2014) Assistant Professor of Exercise Science, B.S. Norwich University; M.Ed. Springfield College

FARRELL, KEVIN J. (1990) Associate Professor of Mathematics, B.S. Nasson College; M.S. University of Vermont; Ph.D. University of Rhode Island

FORTNER, TARA (2013) Assistant Professor of Education, B.A., The College of Saint Rose; M.A. Alfred University; Ed.D. Plymouth State University

GIESE, ALAN (2006) Associate Professor of Natural Sciences/Biology, B.A. University of California at Santa Cruz; M.S. Oregon State University; Ph.D. Arizona State University

GILBERT, ROBBY (2014) Assistant Professor of Visual Arts/Animation, B.F.A. School of Visual Arts, New York; M.Ed. Argosy University

GILMAN, CHANDLER R. (1998) Associate Professor of English, B.A. Williams College; M.A. University of New Hampshire; M.F.A. Vermont College of Norwich University

GITTLEMAN, JOSEPH (2009) Assistant Professor, Music Business and Industry, B.A. Johnson State College

GLENTZ BRUSH, KELLY A. (2002) Professor of Visual Arts, B.F.A. Kansas City Art Institute; M.F.A. University of Kansas

HANRAHAN, JANEL (2012) Assistant Professor of Atmospheric Sciences, B.A., Alverno College; M.S. University of Wisconsin; Ph.D. University of Wisconsin

HAYWOOD-BIRD, EDEN (2014) Assistant Professor of Education, B.A. Regis University; M.A. University of Colorado-Denver; Ph.D. Colorado State University

HILTON, MARK (1999) Professor of Business Administration, B.S. Lyndon State College; M.B.A. Plymouth State University

HUGHES, DEBORAH (2007) Associate Professor of Mathematics/Computer Science, M.S. New Jersey Institute of Technology; B.S. Fairleigh Dickinson University

MUELLER, HARRY (2003) Associate Professor of Visual Arts, A.A.S. Milwaukee Institute of Technology; A.A.S., B.S. Rochester Institute of Technology

NELSON, GARET (2001) Associate Professor/Library Director, B.A. University of South Florida; M.Ed. University of Arkansas; M.L.I.S. University of South Florida

NORRIS, ELIZABETH E. (2002) Associate Professor of Music & Performing Arts, B.M. Illinois State University; M.M. Indiana University; D.M.A. University of Kansas

PARISI, PHILIP J. (2004) Assistant Professor of Visual Arts, A.S. Champlain College; B.F.A. School of Visual Arts; M.F.A. Hunter College; Ph.D., Capella University

PFEFFERLE, ZANE (2014) Assistant Professor of Exercise Science, B.S. Doane College; M.S. Springfield College; Ph.D. Springfield College

RAZZANO, ELAINE (1995) Professor of English, B.A. Georgian Court College; M.A. Seton Hall University; M.Ed. Plymouth State University; Ph.D. SUNY Buffalo

SEARLS, PAUL (2005) Associate Professor of History, B.A. Hobart College; M.A. University of Vermont; Ph.D. New York University

SGHERZA, ANTHONY (2004), Professor of Exercise Science, B.A. Kean College of NJ; B.S. University of Pittsburgh; M.S. Long Island University; Ph.D. New York University

SHAFER, JASON (2005) Associate Professor of Atmospheric Sciences, B.S. Plymouth State College; M.S. University of Utah; Ph.D. University of Utah

SHERRER, MARGARET (2005) Associate Professor of Psychology, B.A., University of Rhode Island; M.S.W. Rhode Island College; Ph.D., Boston College

SHINE, PATRICIA (2003) Associate Professor of Human Services, B.A. Adelphi University; M.S.W. Simmons School of Social Work

SIEGEL, RACHEL S. (1990) Professor of Business Administration, B.A. Yale University; M.B.A. Yale University, C.F.A.

SMITH, DONNA (2010) Assistant Professor of Electronic Journalism Arts, B.S. Lyndon State College; M.A. Johnson State College

JACOBSON, RODNEY (2007) Associate Professor of Business Administration, B.S., M.B.A. Babson College

JOHNSTON, DAVID (2005), Associate Professor of English/Philosophy, B.A. Denison University; M.A., Ph.D. State University of New York at Stony Brook

KAMEI, AI (2014) Assistant Professor of Education, B.A., M.S. Osaka Kyoiku University; Ph.D. University of North Carolina at Greensboro

KASCENSKA, JOHN (2014) Visiting Professor of Mountain Recreation Management, B.S. Lyndon State College; M.S. Virginia Polytechnic and State University; Ph.D. North Carolina State University

KOROL, RHONDA (1995) Professor of Psychology, B.A. Dartmouth College; B.S. University of Minnesota; M.A. University of Cincinnati; Ph.D. University of Cincinnati

STILES, MERI (2006) Associate Professor of Psychology/Human Services, B.A., M.S.W., Ph.D. University of Buffalo

STROKANOV, ALEXANDRE A. (2000) Professor of History, B.A. Perm State University (Russia), M.A. Perm State University, Ph.D. Perm State University

STROUP, BRANDON (2012) Assistant Professor of Social Science/Criminal Justice, B.A. Lock Haven University of Pennsylvania; M.A. Indiana University of Pennsylvania; Ph.D. Indiana University of Pennsylvania

TUCKER, BARCLAY (2001) Professor of Visual Arts, B.F.A. University of Utah; M.A. Syracuse University; M.F.A. University of Hartford, Hartford Art School

WERDENSCHLAG, LORI (1992) Professor of Psychology, B.A. Emory University; M.S., Ph.D. Tulane University

WILLIAMS, DAN (2006) Associate Professor of English/Journalism, B.A. Kansas State University; M.A. Ohio State University

Part-time Faculty

BALLOU, DAVID, Electronic Journalism Arts

BERTOLINI, MARK, Business Administration/Law

BERTONE, KATHY, Business Administration

BIDDLE, WILLIAM, English/GEU

BOYE, ALAN, Professor Emeritus (retired), English

BRYAN, LINDA, Visual Arts

COLBY, KELLY, English

COTTE, WILLIAM, Music and Performing Arts/Music

DICKINSON, JEANNE, Natural Sciences

DOWLING, DAN, Electronic Journalism/Atmospheric Sciences,

DWYER, PAULINE, Natural Sciences

EDMONDSON, JANET, Music & Performing Arts

McKNIGHT, CYNTHIA, Natural Science

MIKOVITZ, TIM, Music & Performing Arts/Music Business & Industry

MILLER, KAREN, Natural Sciences

MILLER, MICHAEL, Natural Sciences

MOORE, J. ALAN, English/Philosophy

NAREY, ERIN, English

NOYES, JAMES, Mountain Recreation Management

QUINN, EMMET, English

PEPIN-VOGT, NANCY, English

RILEY, EILEEN, English

ROCHE, MARIA, Social Science/Spanish

ROOSEVELT, MICHAEL, Visual Arts

ELMES, MARTHA, Visual Arts

FARNAM, RICHARD, Exercise Science

FITCH, JON, Professor Emeritus (retired),
GEU/Psychology

FREGOSI, GIANNA, Music & Performing Arts/Theater

HANNA, CHARLOTTE, Business Administration

HASKINS, KAREN, English

HASKINS, MERLE, English

JAMES, NANCY, Education

KAPLAN, JONATHAN, Natural Sciences

LEONE, NICOLE, Mathematics

LEONARD, JAVIN, Visual Arts

LORIOT, GEORGE, Atmospheric Sciences

MACDOWELL, LISA, English

MARTIN, ROBERT, Natural Science

MAZZOTTA, PAULINE, Visual Arts

McCANN, ROBERT, Visual Arts

SAETTA, JASON, Music & Performing Arts

SHAW, CINDY, Mathematics

STONEBRAKER, EDWARD, Natural Sciences

STORZ, THEA, Visual Arts

STROKANOVA, ELENA, Social Science/Russian

THABIT, ALIA, English

TWOMBLEY, NORMA, Mathematics

ULRICH, TIMOTHY, Mathematics

VADEN, NICHOLAS, Music & Performing Arts/Music Business
& Industry

WALKER-WHARTON, LYDIA, Visual Arts

WATSON, CHRISTOPHER, Mathematics

WILLIAMS, ELIZABETH, English

WILLIAMS, NORRINE, Psychology

WINTELS, WERNER, Atmospheric Sciences

YERKES, DOREEN, Mathematics

Professor Emeriti

ALDRICH, E. RALPH (1969-1995)

BLANCHARD, IRENE (1976-1998)

EBBETT, BALLARD E. (1960-1998)

ELLIOTT, JUNE (1976 - 1988)

FITCH, JON (1974 - 2005)

GALLAGHER, SUZANNE (1972-1990)

GREEN, FRANK (1970 - 2004)

McGOWAN, DORIAN (1959 - 2006)

MILLER, DONALD H. (1959-1999)

PORTNER, RICHARD (1977 - 2006)

REEVES, CAROLYN (1982-2003)

TOBORG, ALFRED (1960-1999)

VOS, KENNETH (1967-1999)

The Administration

JOSEPH A. BERTOLINO, President, B.S. University of Scranton; M.S.W. Rutgers; Ed.D. Columbia University

KELLIE H. BEAN, Provost & Academic Dean, B.A. Ohio State University; M.A. Ohio State University; Ph.D. University of Delaware

LOREN W. LOOMIS HUBBELL, Dean of Administration, B.A., Smith College; M.B.A., Harvard University Graduate School of Business

JONATHAN M. DAVIS, Dean of Students, B.S. Lyndon State College

THOMAS K. ANDERSON, Associate Provost/Associate Dean for Academic Programs & Faculty, B.S. Western Illinois University; M.S. Western Illinois University

HEATHER A. BOUCHEY, Associate Provost/Associate Dean for Enrollment Management & Institutional Research, B.S. Cornell University; M.S. Illinois State University; Ph.D. University of Denver

The College Directors and Staff

Ronald E. Aiken	Grants Officer
Alex D. Allen	Public Safety Officer
Edie I. Allen	Admissions Specialist
Stephen C. Allen	LAN/System Administrator
Thomas R. Archer	Director of Physical Plant
Kathy A. Armstrong	Staff Assistant to Faculty
Meredith R. Atchison	RHD/Coordinator of Student Activities
Jennifer M. Aubin	Senior Financial Aid Officer
Bonnie D. Babcock	Admissions Records Specialist
Debra M. Bailin	Director of Student Academic Development
Darlene R. Ballou	Director of Broadcast Operations
Trevor A. Barski	Assistant Director of Admissions
Danielle Isabelle Berrien	Director of Career Services
David E. Bixby	Custodian

Sean A. Bliss	Admissions Counselor/Women's Soccer Coach
Jay D. Bona	Circulation Coordinator
Tanya W. Bradley	Director of Financial Aid
Dustin R. Brooks	Custodian
Anne M. Brown	Director of AmeriCorps NEK Initiative
Rodney J. Call	Custodian/Maintenance Worker
Tim G. Cappalli	Assistant LAN/System Administrator
Jody A. Card	Assistant Director, Financial Aid
Alton L. Carr, Jr.	Maintenance Technician
Patrick D. Carr	Custodian
Keith B. Chamberlin	Director of Communications & Marketing
Paula M. Chamberlin	Staff Assistant for Health and Counseling
Jo-Ann Charron	Custodian/Pool Technician
Theresa Y. Conant	Laboratory Technician/Chemical Hygiene Officer
Elizabeth L. Conklin	Interlibrary Loan Specialist
Christina K. Cotnoir	Assistant Director, Center for Rural Entrepreneurship
Samantha L. Couture	Admissions Counselor
Patricia R. Cross	Administrative Assistant to Director of Physical Plant
Michael A. Dente	Chief Technology Officer
Denise M. Doyon	Custodian
Lori A. Drew	Tutor Coordinator
Terry K. Dwyer	Custodial Supervisor
Gaylon R. Ely	Custodian
Mary A. Etter	Learning Specialist
Sheilah M. Evans	Associate Dean of Administration
Charles M. Forrest	Public Safety Officer
Elaine L. Fournier	Staff Assistant for Student Affairs

Karen M. Fournier	Custodian
Miranda D. Fox	Assistant Registrar
Evelyn E. Franz	Recorder
Sandra L. Franz	Director of Human Resources
Naomi R. Gallagher	Staff Accountant
Paulsha D. George	Director of Payroll & Benefits
Kayne R. Gilcris	Assistant Athletic Trainer
Donna M. Gile	Staff Assistant to Faculty
Darlene N. Gilman	Staff Assistant for Conferences
Kathleen E. Gold	Director of Advising Resources
Cheryl L. Goldrick	Admissions Assistant
Thor T. Goodrich	Graphic & Web Designer
Jacqueline Goodwin	Custodian
George B. Hacking	Director of Public Safety
Nermin Hajdarevic	Maintenance Technician
Tim L. Hale	Custodian/Maintenance Worker
Jennifer K. Harris	Development Officer
Bernard F. Hartshorn	Associate Director of Admissions
Janis L. Henderson	Custodian
Susan P. Henry	Director of Intramurals/SHAPE Manager
Stacy O. Hopkins	Financial Services Consultant
Darlene L. Johnson	Financial Services Consultant
William F. Johnson	Assistant Athletic Director
Richard L. Judkins	Lead Maintenance Worker
Donna J. Keely	Director of the First-Year Experience
Mark L. Lariviere	Custodian
Joel R. Lenoir	Senior Desktop Support

Kenneth W. Leonard	Custodian
Ryan J. Longe	Admissions Counselor
Sara L. Lussier	Assistant Director of Annual Giving
Kathryn J. Maieli	Registrar
Peter G. Mallett	Custodian
Vincent U. Maloney	Director of Admissions
David J. Martin	Financial Aid Officer
Vicki L. Martin	Custodian
Shane E. Mason	Financial Services Consultant
Robert G. McCabe	Director of Student Support Services
Kathleen McIsaac	Staff Assistant to Faculty
Brian W. Michaud	Public Safety Officer
Darcie A. Miles	Executive Assistant to the President
Susan Millar-Williams	Staff Writer
Mark H. Mohrmann	Broadcast Systems Administrator
Ui Jeong Moon	Senior Research Associate
Denise B. Moses	Staff Assistant, Academic Support/Advising Resources Center
Ann M. Nygard	Director, Center for Rural Entrepreneurship
Brian D. Papa	Atmospheric Sciences Data Systems Administrator
Abbey E. Pasquence	Library Information Desk Assistant
Arthur W. Peake	Maintenance Supervisor
Belinda J. Plymak	Database Manager
Charlotte N. Porcelli	Director of Conferences & Events
Monique C. Prive	Acquisitions Coordinator
Rose E. Reynolds	Assistant Director, Upward Bound
Heather A. Ring	Associate Registrar
Dianne M. Rivers	Staff Assistant to Associate Provost

Cynthia A. Robertson	Assistant to the Dean of Administration
Jonathan J. Ross	RHD/Programming & Community Service Coordinator
Erin S. Rossetti	Director, Residential Life
Nathan R. Rossetti	Public Safety Officer
Victoria E. Rouleau	Staff Assistant, Institutional Advancement
Stephen P. Roy	Custodian
Jason R. Ryan	Assistant Chief Technology Officer
Angela Ryan-Williams	Special Services Counselor
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Graham A. Sherriff	Librarian
Deborah M. Sherwood	Custodian
Takuya Shimamura	Webmaster
Elizabeth A. Simpson	Teacher Leader, ECVLC
Kirsten A. Simpson	Staff Accountant
Charles I. Sjolander	Senior Mechanical Systems Tech
Robert E. Stowell	Public Safety Officer, pt
Jamie A. Struck	Adventure Program Coordinator
Rhonda M. Trucott	Mailroom Supervisor
Mark H. Tucker	Assistant LAN/System Administrator
Christopher T. Ummer	Director of Athletics
C. Richard Williams	Director of Upward Bound
David H. Wood	Custodial Supervisor
Mary K. Yackley	Staff Assistant, ECVLC

Aaron E. Young

Director of Technical Services/Video Broadcast Technician

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* Ms. Rita L. Bole	(1927-1955)
* Ms. Florence E. Drew	(1935-1936, Acting)
* Mr. Arthur B. Elliott	(1955-1959)
* Ms. Susan C. Gallagher	(1958-1959, Acting)
* Dr. Robert E. Long	(1959-1970)
* Dr. A. John Holden, Jr.	(1970-1971, Acting)
* Dr. H. Franklin Irwin, Jr.	(1971-1975)
Dr. Edward I. Stevens	(1975-1977)
* Dr. Janet G. Murphy	(1977-1983)
Dr. Clive C. Veri	(1983-1989)
Dr. Margaret R. Williams	(1989-1997)
* Dr. Robert A. Burnham	(1997-1998, Interim)
Dr. Carol A. Moore	(1998-2011)
Mr. Steven M. Gold	(2011-2012, Interim)

*Deceased

Academic Calendar

Academic Calendar 2014-2015

Monday, August 25, 2014	First Day of Classes
Monday, September 1, 2014	Labor Day - No Classes
Friday September 12, 2014	Major Activities Day
Friday September 26, 2014	Homecoming (9/26- 9/28)
Friday September 26, 2014	Family Weekend (9/26 - 9/28)
Monday, October 6, 2014	Fall Break (10/6 - 10/10)
Monday, November 24, 2014	Thanksgiving Break (11/24 - 11/28)
Friday, December 12, 2014	Last Day of Classes
Monday, December 15, 2014	Final Examinations (12/15 - 12/18)
Tuesday, January 20, 2015	First Day of Classes
Monday, February 23, 2015	Winter Break (2/23 - 2/27)

Monday, March 2, 2015 No Classes - College-Wide Retreat

Tuesday, March 3, 2015 No Classes - Town Meeting Day

Monday, April 6, 2015 Spring Break (4/6 - 4/10)

Friday, May 8, 2015 Last Day of Classes

Monday, May 11, 2015 Final Examinations (5/11 - 5/14)

Sunday, May 17, 2015 Commencement

General Education Unit

General Education

Taught by faculty from across the college

Program Mission Statement

General education at Lyndon 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. Lyndon's general education responds to this challenge in two ways. First, the general education program provides focused practice in the foundational skills required for all career paths: critical thinking, writing, reading, communication, information literacy, and quantitative reasoning. Second, general education provides a framework of content, thought, and inquiry designed to help every student succeed personally and professionally in today's global society.

Program Goals

Students completing the General Education program at Lyndon will demonstrate

- An enhanced ability to engage in the foundational skills of critical thinking, reading, and writing, communication, and quantitative reasoning.
- Knowledge and skills that will prepare students for work and citizenship in a rapidly changing global society.

Program Learning Outcomes

- Students will demonstrate an awareness of fundamental factors influencing human individual and social behaviors.
- Students will practice critical interpretation and analysis of past and present human written expression.
- Students will demonstrate aesthetic appreciation for, understanding of, and/or the creation or performance of original works of art.
- Students will demonstrate basic attitudes and skills that enable them to work productively, profitably, and with sensitivity across a wide range of cultural boundaries.
- Students will identify and analyze change across time, either within their own discipline or across broad human endeavors.
- Students will demonstrate a fundamental awareness of the complexities and interconnectedness of the economic and political realms in which citizens function at both the local and global level.
- Students will apply the concept of sustainability in critically examining social, ethical, environmental, and/or scientific issues related to the use of earth's natural resources.
- Students will practice scientific and empirical reasoning and relate scientific concepts, facts, and theories to problems of wide concern.

Program Assessment

The general education program is assessed systematically through procedures that align with individual graduation standards assessment at the College (see the section on Graduation Standards for more information) and ensure continuous program improvement. Foundational skills are assessed in lower-level courses using the College's graduation standards rubrics as well as a rubric for critical thinking; general education learning outcomes are assessed with rubrics developed for each of the outcome-defined categories of knowledge and skills defined by the program goals. Analysis of assessment data from rubrics creates an ongoing cycle of program and course refinement that will lead Lyndon students to success.

Program Guidelines

Students who transfer into Lyndon State College with 60 or more college credits may choose to waive the course INT 2040.

When a student is completing the General Education requirements:

- They may count no more than 2 courses in their home department in the 8 categories in the General Education.
- They may count no more than 2 courses in the same course designator in the 8 categories.

The list of courses in the eight categories may change each year, and the most recent list is the one to which students should adhere, regardless of their catalog year.

General Education Distribution (25 - 27 credits; one course from each outcome-based category):

Category: SELF AND SOCIAL INTERACTIONS (designated by LGSS1 in the course descriptions and course schedule)
BUS 2230 Principles of Marketing
BUS 2235 Service Marketing
BUS 3350 Innovation, Creativity, & Entrepreneurship
CRJ 1010 Introduction to Criminal Justice
EJA 1010 Introduction to Media Communications

MRM 1080 Leadership and Small Group Dynamics
PHI 1050 Ethical Practice
PSY 1010 Introduction to Psychology
PSY 1050 Human Growth & Development
PSY 2120 Human Sexuality
PSY 3210 Perspectives on Death and Dying
SOC 1010 Introduction to Sociology
SOC 2220 Family in Society
SOC 3050 Gender and Society
SOC 3320 Culture of Deviance
SSC 1030 Exploring the Social Sciences

Category: THE HUMAN EXPERIENCE: WRITTEN LANGUAGE (designated by LGWL2 in the course descriptions and course schedule)

ENG 1310 Intro to Literature
ENG 2410 Mystery and Detective Fiction
ENG 2250 Critical Approaches
ENG 2290 Survey of British Literature and Culture
ENG 2325 Survey of American Literature and Culture
ENG 2480 Survey of Literary Non-Fiction
ENG 3255 Folklore, Fairytales, and Children's Literature
ENG 3420 Issues in British Literature and Culture, 750-1750
ENG 3450 Issues in British Literature and Culture, 1750-Present
ENG 4240 Major Author Seminar
ENG 4750 Senior Seminar
FLM 2020 Semiotics and Cinema
FLM 4010 Theory of Cinema
PHI 1020 Critical Thinking
PHI 2030 Approaches to Philosophy
PHI 2090 Popular Culture and Philosophy
PHI 3065 Philosophy of Film & Television
THA 1040 Interpreting Contemporary Dramatic Literature
THA 2080 Theatre Arts in the Dramatic Format
THA 3070 Voices of the American Theatre
THA 3080 Founders of Modern Drama

Category: THE HUMAN EXPERIENCE: ART AND DESIGN (designated by LGAD3 in the course descriptions and course schedule)

ART 1010 Experiencing the Arts
ART 1011 Drawing I
ART 1015 Art Foundations
ART 1410 Digital Photography
ART 2030 Decorative Arts
ART 2115 Digital Arts
ART 2121 Calligraphy
ART 2241 Painting I
ART 2251 Sculpture I
ART 2301 Photography I
ART 3060 Book Arts
ENG 2130 Intro to Writing Poetry
ENG 2140 Intro to Writing Fiction
ENG 2155 Multimedia Storytelling
ENG 3110 Creative Writing Workshop
ENG 3135 Writing Lyric: Form and Theory

ENG 3145 Writing Narrative: Form and Theory
FLM 1055 Film Analysis and Appreciation
FLM 2010 History of Cinema
FLM 3010 Auteur Filmmakers Seminar
FLM 3610 Film Studies Seminar
MUS 1010 Music Appreciation
MUS 1030 Music Fundamentals
MUS 1041 Class Piano I
MUS 1042 Class Piano II
MUS 1231 Music Theory I
MUS 2070 Basic Songwriting
MUS 2340 Class Instruction in Voice
MUS 2341 Class Guitar I
PHI 3140 Philosophies of Art
THA 1041 Introduction to Theatre
THA 2121 Acting I
THA 2122 Acting II
THA 3211 Directing I

Category: CROSS CULTURAL AWARENESS (designated by LGCC4 in the course descriptions and course schedule)

ANT 1030 Introduction to Anthropology
ANT 3010 Native Societies of America
ANT 3030 Comparative Cultures
ANT 3050 Culture, Ecology, and Health
ANT 3310 Myth, Magic, and Religion
ENG 2240 Greek and Roman Classics
ENG 2390 World Literature
ENG 2540 Global English:Forms, Roles, and Issues
ENG 3240 Bible as Literature
ENG 3250 Myths and Mythologies
FRE 1111 French I
FRE 1112 Intermediate French
HIS 1020 Comparative Civilizations
HIS 2330 Traditional Asia
HIS 3530 Modern East and South-East Asia
HIS 3540 Modern South Asia
HIS 3550 The Islamic World
HUM 1030 Representing the World
PSY 3090 Lifespan Across Cultures
MUS 3330 Worlds of Music
MUS 3350 Music of the Americas
RUS 1011 Russian I
RUS 1012 Russian II
SPA 1011 Spanish I
SPA 1012 Spanish II

Category: PERSPECTIVES ON THE PAST (designated by LGPP5 in the course descriptions and course schedule)

ARH 2011 Survey of Western Art I
ARH 2012 Survey of Western Art II
EJA 2160 History of Journalism
HIS 1011 Western Civilization I
HIS 1211 American History I
HIS 1212 American History II
HIS 2240 Survey of Eurasia

HIS 3056 Race in America
HIS 3110 Antebellum America
HIS 3155 Sports in American History
HIS 3165 Vermont History
HIS 3310 18th-19th centuries Europe
HIS 3330 Europe since 1914
HIS 3440 Modern Russia
MAT 3010 History of Mathematics
PSY 4120 History of Psychology
SCI-4010 History of Science

Category: GOVERNMENT AND ECONOMICS (designated by LGGE6 in the course descriptions and course schedule)

BUS 2060 Money and Capital Markets
BUS 2140 Personal Finance
BUS 3240 International Business
CRJ 2010 Law Enforcement in America
CRJ 2020 American Judicial Process
CRJ 2510 Criminal Law
CRJ 3210 Punishment and Corrections
ECO 2060 Survey of Economics
MBI 3210 Music Publishing
MRM 1010 Leisure and Society
PHI 3010 Political Philosophy
PHI 3075 Law, Language, and Ethics
POS 1010 Introduction to Political Science
POS 1020 American Politics and Government
POS 1030 Comparative Governments
POS 2040 International Relations
POS 3020 Problems in International Relations
POS 3060 Vermont Politics
POS 3170 U.S. Constitutional Law
POS 3210 Canadian Politics
POS 3260 Middle East Politics and Government
POS 3310 Latin American Politics
POS 3410 African Politics

Category: NATURAL RESOURCES AND SUSTAINABILITY (designated by LGNR7 in the course descriptions and course schedule)

ATM 2210 Geophysical and Human Interactions
BIO 4320 Sustainable Food Systems I
CHE 2020 Introduction to Environmental Chemistry
GEO 1010 Introduction to Geography
GEY 1111 Geology I
ENV-1080 Introduction to Environmental Science
ENV 2040 Introduction to Environmental Restoration
ENV 2060 Energy, Environment, and Society
ENV 2090 Sustainable Living
MRM 2130 Wilderness Mind
PHI 2050 Nature, Science, & Technology
SCI 1030 The Life, Earth, and Physical Sciences
SCI 1070 Food for Thought

Category: SCIENTIFIC AND EMPIRICAL REASONING (designated by LGSE8 in the course descriptions and course schedule)

ATM 1010 Elementary Meteorology
ATM 1030 Elementary Oceanography
ATM 1020 Elementary Climatology
ATM 1211+1211L Survey of Meteorology and Lab I
ATM 1212+1212L Survey of Meteorology and Lab II
BIO 1210 Introduction to Biology
BIO 1211 Introduction to Biology: Ecology and Evolution
BIO 1212 Introduction to Biology: Cells and Genetic Basis
BIO 2011 Human Anatomy and Physiology I
BIO 2012 Human Anatomy and Physiology II
CHE 1023 Outline of General Chemistry
CHE 1031 General Chemistry I
CHE 1032 General Chemistry II
GEY 2112 Introduction to Geology II
PHY-2010 Introduction to Electricity and Electronics
PHY-2031 Fundamentals of Physics I
PHY-2061 Classical Physics I
XSC-2050 Human Gross Anatomy

Associate of Applied Science

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 Lyndon's ability "to prepare every student." Specifically, this associate's program responds to Lyndon's Strategic Plan to serve the workforce education needs of the NEK. This program also responds to the VSC 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, 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 Lyndon.

General Education: (28 credits)

These requirements may also be satisfied by LSC placement exams, CLEPS, Advanced Placements exams, suitable transfer credit, or departmental waivers. Departmental waivers given as a result of exam or for prior knowledge do not grant credit toward graduation.

English: (6 Credits)

- ENG 1051 - Introduction to College Writing Credits: 3
Advised Term 1st Year
- ENG 1052 - Exposition and Analysis Credits: 3
Advised Term 1st Year

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 1020 - Intermediate Algebra Credits: 3
Advised Term 1st/2nd Year
- MAT 1060 - Problem Solving with Mathematics Credits: 3
Advised Term 1st/2nd Year
- MAT 1221 - Finite Mathematics Credits: 3
Advised Term 1st/2nd Year
- MAT 1410 - Pre-Calculus Credits: 5
Advised Term 1st/2nd Year
- MAT 2010 - Number Systems Credits: 3
Advised Term 1st/2nd Year
- MAT 2021 - Statistics Credits: 3
Advised Term 1st/2nd Year
- CIS 1090 - Problem Solving with Computers Credits: 3
Advised Term 1st/2nd Year
- CIS 2060 - Programming with FORTRAN Credits: 3
Advised Term 1st/2nd Year
- CIS 2271 - Java Programming Credits: 3
Advised Term 1st/2nd Year
3 Credits for Mathematics May Be Chosen From:
- CIS 1050 - Computer Operation Systems and Spreadsheets Credits: 1
Advised Term 1st/2nd Year
- CIS 1060 - Introduction to Databases Credits: 1
Advised Term 1st/2nd Year
- CIS 1065 - Introduction to Programming Logic Credits: 1
Advised Term 1st/2nd Year

Social Science: (6 Credits)

- PSY 1010 - Introduction to Psychology Credits: 3
Advised Term 1st/2nd Year
- SOC 1010 - Introduction to Sociology Credits: 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 Credits: 3
Advised Term 1st/2nd Year
- BUS 1210 - Introduction to Business Software and Information Systems Credits: 3
Advised Term 1st/2nd Year
- ENG 2060 - Technical Writing Credits: 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 Education Unit

Minimum 43 credits, required of all baccalaureate programs and all Associate of Arts programs.

General Education Foundation (18 credits)

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

- INT 1020 - Entering an Academic Community Credits: 3
Advised Term 1st semester
- INT 2040 - Critical Thinking, Reading, and Writing Credits: 3
Advised Term 2nd Year

English (6 credits)

- ENG 1051 - Introduction to College Writing Credits: 3

Advised Term 1st Year

- ENG 1052 - Exposition and Analysis Credits: 3
Advised Term 1st Year

Mathematics (At Least 6 Credits)

Choose courses from the following list totaling 6 credits. At least one of these courses must have an MAT designation, unless MAT-1020, Intermediate Algebra, is waived by placement test score. Students waiving MAT-1410 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.

- CIS 1090 - Problem Solving with Computers Credits: 3
Advised Term 1st/2nd year
- CIS 2060 - Programming with FORTRAN Credits: 3
Advised Term 1st/2nd year
- CIS 2271 - Java Programming Credits: 3
Advised Term 1st/2nd year
- MAT 1020 - Intermediate Algebra Credits: 3
Advised Term 1st/2nd year
- MAT 1060 - Problem Solving with Mathematics Credits: 3
Advised Term 1st/2nd year
- MAT 1221 - Finite Mathematics Credits: 3
Advised Term 1st/2nd year
- MAT 1410 - Pre-Calculus Credits: 5
Advised Term 1st/2nd year
- MAT 2010 - Number Systems Credits: 3
Advised Term 1st/2nd year
- MAT 2021 - Statistics Credits: 3
Advised Term 1st/2nd year

3 Credits for Mathematics May Be Chosen From

- CIS 1050 - Computer Operation Systems and Spreadsheets Credits: 1
Advised Term 1st/2nd year
- CIS 1060 - Introduction to Databases Credits: 1
Advised Term 1st/2nd year
- CIS 1065 - Introduction to Programming Logic Credits: 1
Advised Term 1st/2nd Year

General Education Distribution (25 - 27 credits)

One course from each outcome-based category:

Self and Social Interactions: One 3 credit course [LGSS1] Credits: 3

The Human Experience: Written Language: One 3 credit course [LGWL2] Credits: 3

The Human Experience: Arts and Design: One 3 credit course [LGAD3] Credits: 3

Cross Cultural Awareness: One 3 credit course [LGCC4] Credits: 3

Perspectives on the Past: One 3 credit course [LGPP5] Credits: 3

Government and Economics: One 3 credit course [LGGE6] Credits: 3

Natural Resources and Sustainability: One 3 - 4 credit course [LGNR7] Credits: 3 - 4

Scientific and Empirical Reasoning: One 3 - 4 credit course [LGSE8] Credits: 3 - 4

Note: the General Education requirements for an Associate of Science degree includes the General Education Foundation courses, program specific courses, and one from each of the following four categories:

One course from either the Self and Social Interaction (LGSS1) or the Cross Cultural Awareness (LGCC4) General Education distribution categories

One from either the Human Experience: Written Language (LGWL2) or the Human Experience: Art and Design (LGAD3) General Education distribution categories

One from either the Perspectives on the Past (LGPP5) or the Government and Economics (LGGE6) General Education distribution categories

One from either the Natural Resources and Sustainability (LGNR7) or the Scientific and Empirical Reasoning (LGSE8) General Education distribution categories

Unrestricted Electives

Credits that are not required in major programs or the GEU.