

# Lyndon State College

## 2010-2011 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 (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.

### **Brief History of Lyndon State College**

Lyndon State College takes pride in a history rich in educational tradition. Founded as a one-year normal school housed in rented space in nearby Lyndon Institute, Lyndon has evolved continuously since its establishment in 1911. Consistent with educational tradition 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, and the first four-year degrees were granted to 18 students in 1944. It was during these years that the Northeast Kingdom began to depend on Lyndon to address the educational needs of its residents.

Miss Bole, who led the school until 1955, was a driving force in the development of Lyndon State College. 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 move to the 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 final day of the school's lease at Lyndon Institute.

In 1961, the State Legislature established the Vermont State Colleges system, and Lyndon Teachers College became Lyndon State College. This marked 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. These additions began meeting the needs of a growing student population that also brought a rapid expansion of the Lyndon curriculum. In the 1970s, new majors were developed in business administration, special education, recreation, meteorology, communications, human services, and physical education. It was also during this decade that the original Vail Manor was deemed unsafe and was replaced with the Theodore N. Vail Center that now houses the Vail Museum and preserves the name that has become an integral part of the Lyndon State tradition.

In the late 1970s, Lyndon State 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.

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

By the beginning of the 21st century, other changes were taking place. Shifting demographics suggested the need for classes and services to be offered at a wider choice of times - including evenings and weekends - and in different formats. Today a commitment to providing students with a strong foundation in the liberal arts, which had taken hold in the 1960s, continues to lay the foundation for Lyndon's long tradition of readying students for the workplace. Degree programs designed to prepare students for a wide variety of professions are enhanced by an increasing emphasis on hands-on learning, career counseling, and the acquisition of skills needed for the workplace. 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 due to increasing enrollment, a new building was constructed. The Academic and Student Activity Center houses three academic departments and boasts a student event center as well as additional computer labs.

Serving a record enrollment of 1,500 students, Lyndon now focuses not only on the academic dimension of student experiences, but on the entire learning process, which includes activities that take place outside of - as well as in - 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/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 the Northeast Kingdom of Vermont.

## **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:**

President Carol A. Moore

### **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
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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**

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The LSC Library, located in the heart of the campus, is a hub of learning for the College and the local community. The Library is where students gather to study together, have a cup of coffee, view a video, do research or play a game of chess. The Library provides access to numerous resources such as online databases, print and electronic books, print and electronic periodicals, DVD and VHS videos and music CDs. The Library also has a very service-minded staff who help students find the information they need regardless of location.

Most of the Library's online resources are available to our campus community from off-campus as well. The web address for the Library is : [www.lyndonstate.edu/library](http://www.lyndonstate.edu/library). There also are several special collections in the Library including the Vermont Room, housing materials relating to the Northeast Kingdom and Vermont, the College archives and the Instructional Materials Center.

The relaxed and informal atmosphere of the Library is partly the result of the award-winning design of the building. The Library Academic Center (LAC) opened its doors in 1995 with an Award for Excellence from the American Institute of Architects and American Library Association.

The Library was named for the Concord, Vermont schoolmaster, Samuel Read Hall, who pioneered teacher education and published the first textbook on the principles of teaching.

The Samuel Read Hall Library's mission is to provide a haven for inquiry and reflection. We support students and the broader community by providing resources, staff, and services that encourage research, engage curiosity, and cultivate lifelong learning.”

## **Information Technology Services**

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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 200 Windows and Macintosh computers) are available for student use 24 hours a day, seven days a week. Every computer connected to our network is connected to the Internet, and on-campus computers can take advantage of library databases. All students, faculty, and staff are provided with e-mail services, and network storage space. A Help Desk provides software and hardware support. Wireless access is available in the Library, Student Center, Conference Rooms, and other areas on campus. The Blackboard Learning System, Portal, and Content Management System are used for class management, college communications and discussions, and data sharing and storage.

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](http://www.lyndonstate.edu/infotech).

## **Academic Services**

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### **Academic Support Center**

Academic success is central to your life at Lyndon. The Academic Support Center can assist you with 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 two programs, Project Excel and Student Academic Development.

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 and support in many other school-related issues).

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.

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.

## **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. The career resource center and computerized career information systems offer 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 four Student Services Consultants available to serve the student population on the "frontline" as well as Financial Aid 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 currently has formal student exchange agreements with the New England/Nova Scotia Exchange Program (11 colleges), and the New England/Quebec Exchange Program (18 colleges). Students are eligible to apply for study abroad if they have a cumulative G.P.A. of no less than 3.00 and are in their fourth, fifth, sixth, or seventh semester of study at Lyndon. The Director of Student Academic Development coordinates this program and also maintains a file of information on institutions in a number of other countries.

## **Student Affairs**

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## **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, extension 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 extension 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.

There are 24 members of the live-in residence staff, 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.

## 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 Vails Student Center, the library, and the lounge 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.

## 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 (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 the switchboard at (802) 626-6200. They will attempt to deliver a message.

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.

## Student Organizations and Activities

In addition to your studies and course work, Lyndon provides a variety of opportunities for you to get to know other people, to find meaningful activities or simply to be entertained.

We offer over 20 student clubs and organizations to provide meaningful ventures away from your studies. 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.

Just as Lyndon's courses are reviewed and adapted to future professional and educational needs, campus activities are subject to the changing concerns, values and interests of students. To find information about campus activities, read the student newspaper, the *Critic*; check the college's website ([www.lyndonstate.edu/events](http://www.lyndonstate.edu/events)); read the student newsletter, the *BUZZ*, which is available weekly in the Student Center and at other locations throughout campus. You can also check the portal, on-campus kiosks, and your LSC e-mail. Bulletin boards also contain information about activities, for-sale items, and other items of student interest.

## **Student Government**

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. All students are members of the Student Association which is governed by the Student Senate and the House of Representatives. Through participation in student government, students help shape policies and practices that impact student life. The Senate is empowered to address any policy, procedure or action that affects students. Elections to the Senate are held every spring, with incoming freshman senators elected in the fall. Meetings are held weekly and are open to all. The House of Representatives is comprised of a member from every recognized club or organization at Lyndon. Its major responsibility is to distribute the student activities fee and develop the annual budget.

## **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.

## **Student 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 Radio**

The college's 3,000-watt FM radio station, WWLR (91.5), is another student-run communications medium at Lyndon. The station's format and play lists are entirely student-designed and the signal can be picked up throughout the region. If you are interested in working for radio, you can join WWLR and participate either on-air or behind-the-scenes.

## **Twilight Players**

If your interests are in the performing arts, the Twilight Players present a full season of live theater for both the campus community and the surrounding area. At center stage are their spring and fall performances, which have the tradition of combining popular theater with thought-provoking and intense drama. Tryouts and backstage positions are open to all students.

## **Other Clubs and Organizations**



Among the many other clubs are those such as A Society of Students in Service Together (A.S.S.I.S.T.), the American Meteorological Society/Natural Weather Association, Alliance for Women in Media, the Spirit Squad, the Hockey Club, the Literary Society, Outside the Box (the Graphic Design Club), the Outing Club, Physical Education Teacher Education (P.E.T.E), the Rugby Club, Sigma Zeta (National Mathematics/Science Honor Society), Alpha Lambda Delta, Lyndon Emergency Responders, the Society of Professional Journalists, and more.

## 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.

## 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](http://www.lsc.bkstr.com).

## The LSC Alumni Association

When you graduate from Lyndon State College, you will become a part of the Lyndon State College Alumni Association. There are currently over 7,000 alumni of Lyndon State College, representing all 50 states and a number of foreign countries! Lyndon's 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 State.

The Lyndon State College 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](mailto:hannah.manley@lyndonstate.edu).

# 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.

LSC 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.

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# Admissions

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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 \$40 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](http://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

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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; an essay; and SAT or ACT scores (optional). 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.

A non-refundable fee of \$40 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

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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; the 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.

Students transferring into Lyndon to earn a Lyndon Associate's or Bachelor's Degree who have earned a previous Associate in Science Degree from a regionally accredited U.S. institution of higher education are waived from the College Skills and Core sections of the General Education Units (GEU) (they still need to complete the Choice section of the GEU).

## Readmission After Withdrawal or Dismissal

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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, and when applicable, the academic department, as well as records of social, financial and judicial actions in considering requests for re-admission.

## Part-Time Students

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Applicants for degree programs may enroll as part-time students in the regular session for 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

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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)

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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)

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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

[^ TOP](#)

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

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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 2010-2011)

Major Program	Degree	CT	MA	ME	NH	RI
Animation and Illustration	B.F.A.			X	X	X
Atmospheric Sciences	B.S.	X	X	X		X
Computer Information System/Atmospheric Sciences	B.S.	X		X	X	X
E-Journalism Arts	A.S.	X	X	X	X	X
E.Journalism Arts	B.S.	X	X	X	X	X
Graphic Design	A.S.			X	X	X
Graphic Design	B.A.			X	X	X
Mountain Recreation Management	B.S.	X	X	X	X	X
Music Business and Industry	B.S.	X	X	X	X	X
New Media Studies	A.S.	X	X	X	X	X
New Media Studies	B.A.	X			X	X
Sustainability Studies	B.S.	X	X		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](http://www.lyndonstate.edu).

### Good Neighbor Policy

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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](http://www.lyndonstate.edu).

### International Admissions

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International applicants use the same application as all undergraduate applicants. The fee for applying online is \$25; the fee for applying via paper is \$40. 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; proof of English proficiency (TOEFL or other approved test – see web site); application fee.

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 80+ 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 and test scores, and all financial

documents required for an I-20 by the 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.

I-20s will not be issued after December 15 for spring semester or after July 1 for fall semester for students living overseas. I-20s for students transferring from U.S. high schools, colleges, or universities will be issued after the arrival of their SEVIS release date.

Detailed information and forms for international applicants may be found on at [www.LyndonState.edu/international](http://www.LyndonState.edu/international).

## **AFROTC**

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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](http://www.norwich.edu/cadets/airforcerotc.html).

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# **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**

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Complete a Free Application For Federal Student Aid (FAFSA) on-line between January 1 and February 15 to ensure delivery to Lyndon State College by March 15. Use FAFSA code #003689 to ensure that Lyndon receives your FAFSA application.

Promptly answer or act on requests for additional forms or information, and, if requested, submit signed copies of the applicant's and parents' current Federal Income Tax Form (e.g. 1040, with W-2s) as soon as possible after filing.

Aid applications received at Lyndon State College after March 15 will be reviewed in order of the date received. Aid is awarded subject to the availability of funds.

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**

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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 Pell Grant or a Supplemental Educational Opportunity Grant.

### **Satisfactory Academic Progress for Financial Aid Recipients**

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Federal financial aid regulations require that financial aid recipients maintain a satisfactory rate of progress toward their degree completion requirements in order to continue receiving financial aid.

Students must meet a time progression and a cumulative Grade Point Average (GPA) requirement. Students with disabilities may be allotted additional time for completion of courses if this is an appropriate accommodation. To meet the time progression requirement students must successfully complete 67% of the courses they attempt beginning in the student's first year of attendance at Lyndon. To meet the cumulative GPA requirement students must maintain a 1.75 cumulative GPA for up to 30 earned credit hours and maintain a 2.0 GPA thereafter to continue to qualify for financial aid.

Students who do not meet these standards will be placed on Financial Aid Probationary status for one year during which time financial aid eligibility will be retained. Students who do not meet the required standards by the end of the probationary year will lose eligibility for financial aid the following year. Students may appeal the loss of their financial aid eligibility to the Financial Aid Office.

### **Federal Aid Programs Administered by the College**

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*Federal Supplemental Educational Opportunity Grants (FSEOG)*, ranging from \$100 to \$1,600, 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. Loans usually range between \$500 and \$1500 per year. A total of \$27,500 may be borrowed by undergraduates and up to \$60,000 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**

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*Federal Pell Grants* for the current academic year range from \$400 to \$5,350, depending upon eligibility as determined by a national standard formula.

*Academic Competitiveness Grant (ACG)*: An ACG grant will provide up to \$750 for the first year (first 24 credits) of undergraduate study and up to \$1,300 for the second year (second 24 credits) of undergraduate study to full-time students who are U.S. citizens, eligible for a Federal Pell Grant, and who had successfully completed a "rigorous high school program", as determined by the state or local education agency and recognized by the U.S. Secretary of Education. Second year students must also have maintained a cumulative grade point average (GPA) of at least 3.0. The program is available for the first time for the

2006-2007 school year for first year students who graduated from high school after January 1, 2006 and for second year students who graduated from high school after January 1, 2005.

*National Science and Mathematics Access to Retain Talent Grant or National SMART Grant:* A National SMART Grant will provide up to \$4,000 for each of the third and fourth years of undergraduate study to full-time students who are U.S. citizens, eligible for a Federal Pell Grant, and majoring in physical, life, or computer sciences, mathematics, technology, or engineering, or in a foreign language determined critical to national security. The student must also have maintained a cumulative grade point average (GPA) of at least 3.0 in coursework required for the major.

*Federal Stafford Loans* (subsidized and unsubsidized) enable students to borrow federal loan funds. These funds are guaranteed by the federal government, are applied for through Lyndon State College, and are based on need. The interest rate is favorable and no interest is charged until repayment begins, usually six months after the recipient ceases to be enrolled.

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.

*Federal Parent Loan for Undergraduate Students (PLUS)* loans allow credit worthy parent borrowers of undergraduate, dependent students to borrow federal funds up to the cost of attendance minus financial aid. The variable interest rate changes each July 1. Repayment begins within 60 days after the loan has been fully disbursed.

*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 Office provides information and assistance for those seeking education benefits.

### **Lyndon State College Grants and Scholarships**

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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](http://www.lyndonstate.edu) by clicking on the Prospective Students tab, then Scholarships & Grants.

### **State Grants and Non-Institutional Scholarships**

[^ TOP](#)

*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 application separate from the FAFSA is also required.

*Out-of-State Incentive Grants* are available to qualified students from Connecticut, Maine, Massachusetts, New Hampshire, 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.

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# 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
- Academic Honesty
- Basic Skills Competencies
- Academic Standing and Grading
- Graduation
- Registration
- Leave and Withdrawal
- Honors
- Academic Appeals

## Student Responsibilities

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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

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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

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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. *Waivers* - Waivers 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. Waiver forms are available at the Student Services Office. Although specific courses may be waived, the number of credits associated with those waived 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 will be treated as transfer credits. Course challenge forms are available at the Student Services Office. A payment of a fee is required.
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**

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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 course offerings 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**

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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**

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Lyndon's catalog of course offerings over the current academic year appears in this publication. While the college will attempt to follow this 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.

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 make changes regarding the announced instructors for courses or to cancel courses for lack of sufficient enrollment.

### **Internships and Cooperative Education**

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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**

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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 halftime in-residence course work.

### **Independent Study**

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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**

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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**

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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.

### **Academic Honesty**

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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**

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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

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# 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 16 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.

- 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 gradepoint 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**

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## 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 four academic years).

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 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 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 are available to review the academic records of seniors.

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 "Request to Graduate" form and a computer generated Degree Audit or a "Plan of Study" Form (for graduate students) **a full year prior to anticipated graduation**. However, the final deadline for filing the appropriate paperwork is:

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

For May and August graduates — at the end of the fall registration period for spring classes (this is normally in November).

If a student files past these deadlines, the late request must be approved by the Academic Dean (or designee). Degree Audit and Request to Graduate forms will not be accepted for processing for the May graduation after March 15th; that is, the student will not be allowed to participate at that May's graduation, and their official date of completion of graduation requirements will be listed in August.

Satisfaction of graduation requirements, including coursework and graduation standards, will be monitored by the Registrar's Office and the Dean of Academic and Student Affairs. If it appears that graduation requirements will not be met, the student and the appropriate department chair will be notified. Any rectifying response, including 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

Commencement and conferral of degrees occurs only once each year in the ceremony that takes place at the end of the spring semester. At the end of the summer session students who have requested a degree will have their academic records reviewed for graduation by the Records Specialist - Graduation, the sponsoring department and Academic Standards Committee, for forwarding to the faculty governing body, known as Faculty Assembly, for approval at its monthly meetings. Students awarded degrees in August are considered members of the graduating class of the following May but will receive a Registrar's letter certifying that they have earned the degree. Students who complete their degree requirements at the end of fall are designated as having graduated in that December. December graduates participate in a December Graduates celebration and are welcome to participate in Commencement the following May. Only students who have been approved for graduation, and fully satisfied all graduation requirements, or are within 4 credits, or one course of completing all requirements, will be allowed to participate in the May commencement ceremony. Diplomas bear the date of the actual completion of degree requirements.

**Registration**

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## **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 at [blackboard.vsc.edu](http://blackboard.vsc.edu) (click on 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 official copy, except for transcripts used at Lyndon for advising, you must submit a written request and payment of fee (if applicable).

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 Records Specialist (Graduation) 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 Courses**

Students are considered to be registered in their courses:

- A. If they have filed all necessary forms for establishing and changing their schedules with the Student Services Office within stated deadlines and/or if they have registered for courses in conjunction with meeting with their academic

- advisor. The Student Services Office requires additional registration forms for courses undertaken through Cooperative Education 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 filling out the appropriate forms with the Student Services Office and submitting them within 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 validated by the Student Services Office. Instructors are not able to change registrations on class lists or on grade sheets. The Add/Drop period is the first two weeks of a semester.

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 Dean of Academic and Student Affairs (or designee), 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 Courses**

Students may audit a course 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 grade-point 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 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**

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## 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. For details on these please see the Registrar's Office.

## 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 will not be evaluated until all appropriate courses have been graded.

**Academic Appeals**

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## 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 Assistant 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](#)

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## 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 2011-2012 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 Semester	Spring Semester	Total	Fall Semester	Spring Semester	Total	Fall Semester	Spring Semester	Total
Tuition	\$4,116	\$4,116	\$8,232	\$8,880	\$8,880	\$17,760	\$6,168	\$6,168	\$12,336
Student Activity Fee	108	108	216	108	108	216	108	108	216
Capital Development Fee	324	324	648	324	324	648	324	324	648
Health Insurance*	1,407		1,407	1,407		1,407	1,407		1,407
Sub-Total (Commuter)	\$5,955	\$4,548	\$10,503	\$10,719	\$9,312	\$20,031	\$8,007	\$6,600	\$14,607
Room (Double)	2,418	2,418	4,836	2,418	2,418	4,836	2,418	2,418	4,836
Board (Gold Plan**)	1,642	1,642	3,284	1,642	1,642	3,284	1,642	1,642	3,284
Total (On Campus)	\$10,015	\$8,608	\$18,623	\$14,779	\$13,372	\$28,151	\$12,067	\$10,660	\$22,727

## Other Estimated Fees

Application Fee (due when applying for admission)	\$40	Overload Fee (per credit hour in excess of 18 per semester):	
Degree Audit Fee (for Graduation)	\$76	In-State	\$343
Late Registration Fee	\$50	Out-of-State	\$740
Late Financial Clearance Fee	\$100	NEBHE	\$514
Matriculation Fee	\$280	Annual Additional Charges for Single Room (if available)	\$1,288
Change of Course (after normal add/drop period)	\$18	Annual Single Room Suite Rate (Rita Bole)	\$6,740

\*Required of all full-time students if not covered by another medical plan.

\*\*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:

<b>Tuition</b>		<b>Fees</b>	
In-State	\$343	Student Activity Fee	\$9
Out-of-State	\$740		
NEHBE	\$514		

## Vermont State Colleges In-State Residency Requirement Policy

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**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

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# 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.

## **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 seniors are charged a degree audit fee prior to graduation to ensure that graduation requirements are met.

## **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 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.

## **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 at LSC. To be eligible, senior citizens must be non-matriculated and may not take the place of a paying student in courses with enrollment limits. Senior citizens must pay relevant registration and course fees.

## **Friendly Border Program**

Lyndon State College offers a "Friendly Border" tuition program for our Canadian neighbors. Under this program, the college offers full-time matriculated students who are residents of Canada tuition at the non-Vermont rate, but payable in Canadian funds. Eligible students pay their bills on a semester-by-semester basis which is the same payment schedule that applies to all other students. The "Friendly Border" program applies only to tuition [and related fees]. Room and board payments would be payable in full in U.S. funds or their equivalent. The net tuition may not be less than 150% of the Vermont tuition rate.

## Payment Policy

As a condition of enrollment, all semester charges are due and payable in full on or before 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 of \$100 will be charged if financial clearance from the Student Services/Business Office is not received by the due date on our website or in the packet 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 uncleared accounts after the add/drop period. 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. deferred for payment covering any unpaid portion of the bill,
4. covered by confirmation of participation in the monthly payment plan for tuition and fees sufficient to cover both fall and spring semester charges, or
5. covered by any combination of the above.

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## Degree Programs List

### Degree Programs

The following list represents Lyndon's undergraduate degree programs for the 2010-2011 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
- Broadcasting
- Climate Change
- Computer Science

Environmental Sciences  
National Weather Service/Military  
Private Industry

**Business Administration**

Business Administration (A.S.)  
Accounting (B.S.)  
    Financial Accounting and Reporting  
    Management Accounting  
Business Administration (B.S.)  
    Business Administration  
    e-Business  
    Finance and Accounting  
Small Business Management and Entrepreneurship (B.S.)

**Education**

Special Education (A.S.)  
Elementary Education (B.S.)  
    Early Childhood Education1  
    Elementary Education1,2  
Special Education - Special Educator (K-8)

**Electronic Journalism Arts**

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

**English, Philosophy and Film Studies**

English (B.A.)  
    Literature and Cultural Studies  
    Journalism and Creative Writing  
Secondary Education (Licensure Program)  
Media Communications (B.A.)  
Philosophy (B.A.)

**Exercise Science**

Exercise Science (B.S.)  
Secondary Areas:  
    Strength and Conditioning - Health and Fitness  
    Sports Management  
    Sports Medicine: Pre-professional physical therapy 3+3  
        Pre-professional athletic training 4+2  
    Self-Designed Program  
Physical Education (B.S.)

**General Studies**

General Studies (A.A.)

**Liberal Studies**

Liberal Studies (B.A.)

**Mathematics & Computer Science**

Computing (A.S.)  
Computing (B.S.)  
Business

New Media  
Atmospheric Sciences  
Mathematics (B.A.)  
Pure Mathematics  
Applied Mathematics  
Secondary Education (Licensure Program)2

**Mountain Recreation Management**

Mountain Recreation Management (B.S.)  
Adventure Leadership  
Natural Resource GIS Mapping and Planning  
Ski Resort and Snowsport Management

**Music and Performing Arts**

Music Business and Industry (B.S.)  
Music  
Business  
New Media  
Production  
Arts Management (B.S.)  
Artist Management  
Venue Management  
Theatre Operations Management

**Natural Sciences**

Environmental Science (B.S.)  
Natural Science (B.S.)  
Sustainability Studies (B.S.)  
Secondary Education (Licensure Program)

**Psychology**

Human Services (A.S.)  
Psychology (B.A.)  
Human Services (B.S.)

**Social Sciences**

Social Sciences (B.A.)  
Global Studies (B.A.)  
Secondary Education (Licensure Program)

**Visual Arts**

Animation/Illustration (B.F.A.)  
Graphic Design (A.S.)  
Graphic Design (B.A.)  
Print  
Illustration  
New Media (A.S.)  
New Media (B.A.)  
Visual Arts (A.S.)

**Master of Education**

**Graduate Certificate in Leadership**

### **Minor Programs**

Anthropology/Sociology  
Athletic Coaching Education  
Atmospheric Sciences  
Biology  
Business  
Chemistry  
Criminal Justice  
English  
Film Studies  
Gender Studies  
Geology  
Graphic Design  
History  
Human Services  
International Studies  
Marketing  
Mathematics  
Music  
New Media  
Philosophy  
Photography  
Physics  
Political Science  
Psychology  
Theater  
Visual Arts

### **Degree Programs & General Education**

Lyndon offers nine Associate Degree programs, which may be completed in two years; twenty-eight Bachelors programs, which may be completed in four years; and two Masters programs, which may be completed in one to five years. Further information on the Lyndon Masters programs is available online at [www.lyndonstate.edu](http://www.lyndonstate.edu).

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:**

<b>Associate in Science</b>	<b>Associate in Arts</b>	<b>Bachelor of Arts or Science</b>
General Education, College Skills, and Divisional Core: 26	General Education Unit: Credits 42 Credits	General Education Unit: 42 Credits

**Total Credits: 62**

**Total Credits: 62**

**Total Credits: 122**

### **Acceptance to Degree and Licensure Candidacy in Major Programs**

During the second semester of the sophomore year some Lyndon Bachelor degree candidates are expected to apply for formal acceptance into a major program. Some departments require acceptance to the major; 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 and the other as a Bachelor of Science, the student will have the choice as to the designation that will appear on the diploma.

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
GER	German
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
GDS	Graphic Design
HIS	History
HUM	Humanities
INT	Interdisciplinary Seminar
LIB	Liberal Studies
MAT	Mathematics
MRM	Mountain Recreation Management
MUS	Music
MBI	Music Business Industry
NMS	New Media Studies
PHI	Philosophy
PED	Physical Education
PHY	Physics
PLE	Placement: English
PLM	Placement: Math
POS	Political Science
PSY	Psychology
RUS	Russian
SCI	Science
SED	Science Education
SOC	Sociology
SPA	Spanish
SSC	Social Science
THA	Theater
TVS	Television Studies
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 Dean of Academic and Student Affairs.

## General Education Unit

### General Education

Taught by faculty from across the college

## Program Mission Statement

An undergraduate education can transform lives. Taught by faculty from multiple departments, General Education serves as the basic integrating component in that process by fostering the acquisition of cultural and scientific literacy and the exercise of critical thinking in personal and global problem solving. At Lyndon State, general education is provided through the General Education Unit (GEU). This cohesive program was created by the faculty to provide a core of knowledge, skills, and values for all students. It serves as a background for majors and careers, a framework from which to assimilate new experiences, and a springboard for lifelong learning.

## Program Goals

In addition to two semesters of English composition and two semesters of mathematical reasoning, the GEU introduces the student to “the life of the mind”, provides breadth and some depth in each of the fundamental areas of human knowledge (the arts, humanities, social sciences, and natural sciences), and includes elective credits to ensure that students have the opportunity to explore disciplines of interest to them. It provides the liberal arts and sciences foundation for Lyndon State’s degree programs. All matriculated students, and transfer students with fewer than 12 credits, must be enrolled in INT 1020 (Entering an Academic Community) in their first semester and until the course is successfully completed and will not be awarded sophomore standing until that time. **Successful completion of the appropriate GEU is required of all matriculated undergraduate students.**

Innovative parts of this program include “Entering an Academic Community” (INT 1020) and the four Divisional Core courses (ART 1010, HUM 1030, SCI 1030, and SSC 1030). INT 1020 introduces students to the culture and expectations of collegiate

life. It provides students with an exciting, early, experiential component to their education. The four Divisional Core courses introduce students to the history, philosophy, and methodology of the arts, humanities, social sciences, and natural sciences. These interdisciplinary courses present students with an overview of the people, events, and “ways of knowing” which typify each division. They provide stimulating insights into the interconnectedness of human knowledge.

The Divisional Choice Courses provide greater detail and deeper understanding in each division of the arts, humanities, social sciences, and natural sciences. Students choose five courses that best suit their interests and needs from over sixty-five possibilities.

## Program Core Competencies and Learning Outcomes

1. Critical Thinking – Critical thinking is a rational process that culminates in an original argumentative, creative or expository product. Students should be able to

- Identify issues or problems that need to be scrutinized and questioned
- Demonstrate the ability to gather information from diverse perspectives
- Systematically evaluate this information and its contexts
- Draw reasonable inferences from it
- Analyze and synthesize the inferences and evidence methodically into a well-reasoned argument.

2. Oral Communication – Conveying ideas in speech that demonstrates attention to purpose, audience, and proper form. In speaking, students will demonstrate

- Clarity of purpose
- Good organization
- Use of supporting evidence
- Appropriate language and syntax
- Smooth delivery
- Audience engagement.

3. Written Communication - Conveying ideas in written form that demonstrates clarity, correct grammar, logical essay structure, and appropriate vocabulary. In writing, students will demonstrate

- Awareness of the relationship among writer, audience, subject and purpose
- An explicit or implied central thesis
- Systematic development of the central thesis
- Appropriate sentence and paragraph structure
- Correct grammar, syntax, punctuation, and spelling.

## Program Assessment

General Education assesses its learning outcomes in both individual courses and on a program-wide level. Assessment instruments are employed in each of the four core courses and in INT 1020 to measure their success in their stated educational goals. Each core course has a standing committee composed of its faculty who meet frequently to review the course, analyze assessment data, and make revisions to the course. The program’s effectiveness as a whole is assessed by the GEU-OAU with a variety of tools, including the College’s graduation standards rubrics and results from course-level assessment instruments.

**Arts Choice Courses [Choice:AR]**

ARH-2011 Survey of Western Art I  
ARH-2012 Survey of Western Art II  
ART-1011 Drawing I  
ART-2060 Applied Art  
ART-2121 Calligraphy I  
ART-2241 Painting I  
ART-2251 Sculpture I  
ART-2301 Photography I  
ENG-1080 Speech - Expository Speaking  
ENG-2130 Introduction to Writing Poetry  
ENG-2140 Introduction to Writing Fiction  
ENG-2155 Introduction to Writing for Publication  
FLM-1055 Film Analysis and Appreciation  
MUS-1010 Music Appreciation  
MUS-1030 Music Fundamentals  
MUS-1041 Class Piano I  
MUS-2340 Class Instruction in Voice  
MUS-2341 Guitar I  
THA-1041 Introduction to Theater Arts  
THA-2121 Acting I

**Humanities Choice Courses [Choice:HU]**

EJA-2160 History of Journalism  
ENG-1310 Introduction to Literature  
ENG-2240 Greek and Roman Classics  
ENG-2250 Approaches to Literature  
ENG-2290 Survey of British Literature and Culture  
ENG-2325 Survey of American Literature & Culture  
ENG-2390 Survey of World Literature: Explorations  
ENG-2410 Mystery and Detective Fiction  
ENG-2480 Survey of Literary Non-Fiction  
ENG-3010 Advanced Composition  
HIS-1011 Western Civ I  
HIS-1020 Comparative Civilizations  
HIS-1211 American History I  
HIS-1212 American History II  
HIS-2240 Survey of Eurasia  
HIS-2330 Traditional Asia  
PHI-1010 Introduction to Philosophy  
PHI-1020 Critical Thinking

**Natural Sciences Choice Courses [Choice:NS]**

XSC-2050 Human Gross Anatomy  
ATM-1010 Elementary Meteorology  
ATM-1030 Elementary Oceanography  
ATM-1211 Survey of Meteorology I  
ATM-1211L Survey of Meteorology I Lab  
BIO-1210 Introduction to Biology  
BIO-2011 Human Anatomy and Physiology I  
CHE-1020 Introduction to Chemistry  
CHE-1031 General Chemistry I  
ENV-2040 Introduction to Environmental Restoration  
ENV-2060 Energy, Environment and Society

GEY-1111 Introduction to Geology I  
PHY-1120 Introduction to Astronomy  
PHY-2010 Intro to Electricity & Electronics  
PHY-2020 Energy, Environment, and Society  
PHY-2030 The Universe  
PHY-2031 Fundamental Physics I

**Social Sciences Choice Courses [Choice:SS]**

ANT-1030 Introduction to Anthropology  
BUS-2020 Principles of Management  
BUS-2230 Principles of Marketing  
ECO-2020 Macroeconomics  
ECO-2030 Microeconomics  
GEO-1010 Introduction to Geography  
MRM-1010 Leisure and Society  
MRM-1080 Leadership Theory and Practice  
POS-1010 Introduction to Political Science  
POS-1030 Comparative Government  
POS-2040 International Relations  
PSY-1010 Introduction to Psychology  
PSY-1050 Human Growth and Development  
PSY-1130 Intro to Substance Abuse  
PSY-2120 Human Sexuality  
SOC-1010 Introduction to Sociology  
SOC-2220 The Family in Society  
EJA-1010 Introduction to Media Communication

**Other Choice Courses [Choice:OC]**

FRE-1111 French I  
GER-1111 German I  
MRM-2130 Wilderness Mind  
RUS-1011 Russian I  
SPA-1011 Spanish I

## **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 Year 1st Year
- ENG 1052 - Exposition and Analysis Credits: 3  
Advised Year 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 Year 1st/2nd Year
- MAT 1060 - Problem Solving with Mathematics Credits: 3  
Advised Year 1st/2nd Year
- MAT 1221 - Finite Mathematics Credits: 3  
Advised Year 1st/2nd Year
- MAT 1410 - Pre-Calculus Credits: 5  
Advised Year 1st/2nd Year
- MAT 2010 - Number Systems Credits: 3  
Advised Year 1st/2nd Year
- MAT 2021 - Statistics Credits: 3  
Advised Year 1st/2nd Year
- CIS 2011 - Visual Basic Programming Credits: 3  
Advised Year 1st/2nd Year
- CIS 2060 - Programming with FORTRAN Credits: 3  
Advised Year 1st/2nd Year  
3 Credits for Mathematics May Be Chosen From:
- CIS 1050 - Computer Operation Systems and Spreadsheets Credits: 1  
Advised Year 1st/2nd Year
- CIS 1060 - Introduction to Databases Credits: 1  
Advised Year 1st/2nd Year
- CIS 1240 - Simple Computer Graphics Credits: 1  
Advised Year 1st/2nd Year

## Social Science: (6 Credits)

- PSY 1010 - Introduction to Psychology Credits: 3  
Advised Year 1st/2nd Year
- SOC 1010 - Introduction to Sociology Credits: 3  
Advised Year 1st/2nd Year

## Lab Science: (4 Credits)

Take 1 lab science (4 credits) from the General Education list of choice courses: e.g., BIO-1210 Introduction to Biology. Courses are designated by [Choice: NS]

## Humanities: (3 Credits)

Take 3 credits from the General Education list of core and choice courses in English, History, Humanities or Philosophy; e.g., HUM-1030 or a course with a designation of [Choice: HU].

## Arts: (3 Credits)

Take 3 credits from the General Education list of core and choice courses in Art, Music, or Theater; e.g., ART-1010 or a course with a designation of [Choice: AR].

## Professional Courses: (30 - 39 Credits)

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

- BUS 1010 - Introduction to Business Credits: 3  
Advised Year 1st/2nd Year
- BUS 1210 - Introduction to Business Software Credits: 3  
Advised Year 1st/2nd Year
- ENG 2060 - Technical Writing Credits: 3  
Advised Year 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 (GEU)

Minimum 42 credits, required of all baccalaureate programs and all Associate of Arts programs.

## I. College Skills (Minimum 14 Credits)

These requirements may also be satisfied by LSC placement exams, CLEPS, 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: 2  
Advised Term 1st semester
- 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 MAT1020, 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.

- CIS 2011 - Visual Basic Programming Credits: 3  
Advised Term 1st/2nd year
- CIS 2060 - Programming with FORTRAN 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 1240 - Simple Computer Graphics Credits: 1  
Advised Term 1st/2nd year

## II. Divisional Core: (Four 3 Credit Courses, 1 Per Division, 12 Credits Total)

### Arts:

- ART 1010 - Experiencing the Arts Credits: 3  
Advised Term 1st/2nd year

### Humanities:

- HUM 1030 - Representing the World Credits: 3  
Advised Term 1st/2nd year

### Natural Sciences:

- SCI 1030 - The Life, Earth, and Physical Sciences Credits: 3  
Advised Term 1st/2nd year

### Social Sciences:

- SSC 1030 - Exploring the Social Sciences Credits: 3  
Advised Term 1st/2nd year

## III. Divisional Choice

(not required for Lyndon State College A.S. degree; required for all other Lyndon State College undergraduate degrees)

**Arts:** One 3 credit course [Choice:AR] Credits: 3  
Advised Term 1st/2nd year

**Humanities:** One 3 credit course [Choice:HU] Credits: 3  
Advised Term 1st/2nd year

**Natural Sciences:** One 4 credit lab course [Choice: NS] Credits: 4  
Advised Term 1st/2nd year

**Social Sciences:** One 3 credit course [Choice:SS] Credits: 3  
Advised Term 1st/2nd year

**Other Divisional Choice:** One 3-4 credit course [Choice: AR, HU, NS, SS, or OC] Credits: 3 to 4  
Advised Term 1st/2nd year

## IV. Unrestricted Electives

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

## Degree Programs

# Northern Vermont University

## General Education

Taught by faculty from across the college



# Program Mission Statement

An undergraduate education can transform lives. Taught by faculty from multiple departments, General Education serves as the basic integrating component in that process by fostering the acquisition of cultural and scientific literacy and the exercise of critical thinking in personal and global problem solving. At Lyndon State, general education is provided through the General Education Unit (GEU). This cohesive program was created by the faculty to provide a core of knowledge, skills, and values for all students. It serves as a background for majors and careers, a framework from which to assimilate new experiences, and a springboard for lifelong learning.

## Program Goals

In addition to two semesters of English composition and two semesters of mathematical reasoning, the GEU introduces the student to “the life of the mind”, provides breadth and some depth in each of the fundamental areas of human knowledge (the arts, humanities, social sciences, and natural sciences), and includes elective credits to ensure that students have the opportunity to explore disciplines of interest to them. It provides the liberal arts and sciences foundation for Lyndon State’s degree programs. All matriculated students, and transfer students with fewer than 12 credits, must be enrolled in INT 1020 (Entering an Academic Community) in their first semester and until the course is successfully completed and will not be awarded sophomore standing until that time. **Successful completion of the appropriate GEU is required of all matriculated undergraduate students.**

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## Program Core Competencies and Learning Outcomes

1. Critical Thinking – Critical thinking is a rational process that culminates in an original argumentative, creative or expository product. Students should be able to

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- Draw reasonable inferences from it
- Analyze and synthesize the inferences and evidence methodically into a well-reasoned argument.

2. Oral Communication – Conveying ideas in speech that demonstrates attention to purpose, audience, and proper form. In speaking, students will demonstrate

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- Good organization
- Use of supporting evidence
- Appropriate language and syntax

- Smooth delivery
- Audience engagement.

3. Written Communication - Conveying ideas in written form that demonstrates clarity, correct grammar, logical essay structure, and appropriate vocabulary. In writing, students will demonstrate

- Awareness of the relationship among writer, audience, subject and purpose
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## Program Assessment

General Education assesses its learning outcomes in both individual courses and on a program-wide level. Assessment instruments are employed in each of the four core courses and in INT 1020 to measure their success in their stated educational goals. Each core course has a standing committee composed of its faculty who meet frequently to review the course, analyze assessment data, and make revisions to the course. The program's effectiveness as a whole is assessed by the GEU-OAU with a variety of tools, including the College's graduation standards rubrics and results from course-level assessment instruments.

### Arts Choice Courses [Choice:AR]

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 ART-2060 Applied Art  
 ART-2121 Calligraphy I  
 ART-2241 Painting I  
 ART-2251 Sculpture I  
 ART-2301 Photography I  
 ENG-1080 Speech - Expository Speaking  
 ENG-2130 Introduction to Writing Poetry  
 ENG-2140 Introduction to Writing Fiction  
 ENG-2155 Introduction to Writing for Publication  
 FLM-1055 Film Analysis and Appreciation  
 MUS-1010 Music Appreciation  
 MUS-1030 Music Fundamentals  
 MUS-1041 Class Piano I  
 MUS-2340 Class Instruction in Voice  
 MUS-2341 Guitar I  
 THA-1041 Introduction to Theater Arts  
 THA-2121 Acting I

### Humanities Choice Courses [Choice:HU]

EJA-2160 History of Journalism  
 ENG-1310 Introduction to Literature  
 ENG-2240 Greek and Roman Classics  
 ENG-2250 Approaches to Literature  
 ENG-2290 Survey of British Literature and Culture  
 ENG-2325 Survey of American Literature & Culture

ENG-2390 Survey of World Literature: Explorations  
ENG-2410 Mystery and Detective Fiction  
ENG-2480 Survey of Literary Non-Fiction  
ENG-3010 Advanced Composition  
HIS-1011 Western Civ I  
HIS-1020 Comparative Civilizations  
HIS-1211 American History I  
HIS-1212 American History II  
HIS-2240 Survey of Eurasia  
HIS-2330 Traditional Asia  
PHI-1010 Introduction to Philosophy  
PHI-1020 Critical Thinking

**Natural Sciences Choice Courses [Choice:NS]**

XSC-2050 Human Gross Anatomy  
ATM-1010 Elementary Meteorology  
ATM-1030 Elementary Oceanography  
ATM-1211 Survey of Meteorology I  
ATM-1211L Survey of Meteorology I Lab  
BIO-1210 Introduction to Biology  
BIO-2011 Human Anatomy and Physiology I  
CHE-1020 Introduction to Chemistry  
CHE-1031 General Chemistry I  
ENV-2040 Introduction to Environmental Restoration  
ENV-2060 Energy, Environment and Society  
GEY-1111 Introduction to Geology I  
PHY-1120 Introduction to Astronomy  
PHY-2010 Intro to Electricity & Electronics  
PHY-2020 Energy, Environment, and Society  
PHY-2030 The Universe  
PHY-2031 Fundamental Physics I

**Social Sciences Choice Courses [Choice:SS]**

ANT-1030 Introduction to Anthropology  
BUS-2020 Principles of Management  
BUS-2230 Principles of Marketing  
ECO-2020 Macroeconomics  
ECO-2030 Microeconomics  
GEO-1010 Introduction to Geography  
MRM-1010 Leisure and Society  
MRM-1080 Leadership Theory and Practice  
POS-1010 Introduction to Political Science  
POS-1030 Comparative Government  
POS-2040 International Relations  
PSY-1010 Introduction to Psychology  
PSY-1050 Human Growth and Development  
PSY-1130 Intro to Substance Abuse  
PSY-2120 Human Sexuality  
SOC-1010 Introduction to Sociology  
SOC-2220 The Family in Society  
EJA-1010 Introduction to Media Communication

**Other Choice Courses [Choice:OC]**

FRE-1111 French I

GER-1111 German I  
MRM-2130 Wilderness Mind  
RUS-1011 Russian I  
SPA-1011 Spanish I

## **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 Year 1st Year
- ENG 1052 - Exposition and Analysis Credits: 3  
Advised Year 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 Year 1st/2nd Year
- MAT 1060 - Problem Solving with Mathematics Credits: 3  
Advised Year 1st/2nd Year
- MAT 1221 - Finite Mathematics Credits: 3  
Advised Year 1st/2nd Year
- MAT 1410 - Pre-Calculus Credits: 5  
Advised Year 1st/2nd Year
- MAT 2010 - Number Systems Credits: 3  
Advised Year 1st/2nd Year
- MAT 2021 - Statistics Credits: 3  
Advised Year 1st/2nd Year
- CIS 2011 - Visual Basic Programming Credits: 3  
Advised Year 1st/2nd Year
- CIS 2060 - Programming with FORTRAN Credits: 3  
Advised Year 1st/2nd Year  
3 Credits for Mathematics May Be Chosen From:
- CIS 1050 - Computer Operation Systems and Spreadsheets Credits: 1  
Advised Year 1st/2nd Year
- CIS 1060 - Introduction to Databases Credits: 1  
Advised Year 1st/2nd Year
- CIS 1240 - Simple Computer Graphics Credits: 1  
Advised Year 1st/2nd Year

### Social Science: (6 Credits)

- PSY 1010 - Introduction to Psychology Credits: 3  
Advised Year 1st/2nd Year
- SOC 1010 - Introduction to Sociology Credits: 3  
Advised Year 1st/2nd Year

### Lab Science: (4 Credits)

Take 1 lab science (4 credits) from the General Education list of choice courses: e.g., BIO-1210 Introduction to Biology. Courses are designated by [Choice: NS]

### Humanities: (3 Credits)

Take 3 credits from the General Education list of core and choice courses in English, History, Humanities or Philosophy; e.g., HUM-1030 or a course with a designation of [Choice: HU].

### Arts: (3 Credits)

Take 3 credits from the General Education list of core and choice courses in Art, Music, or Theater; e.g., ART-1010 or a course with a designation of [Choice: AR].

## Professional Courses: (30 - 39 Credits)

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

- BUS 1010 - Introduction to Business Credits: 3  
Advised Year 1st/2nd Year
- BUS 1210 - Introduction to Business Software Credits: 3  
Advised Year 1st/2nd Year
- ENG 2060 - Technical Writing Credits: 3  
Advised Year 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).

## Other Degrees

## General Education Unit (GEU)

Minimum 42 credits, required of all baccalaureate programs and all Associate of Arts programs.

### I. College Skills (Minimum 14 Credits)

These requirements may also be satisfied by LSC placement exams, CLEPS, 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: 2  
Advised Term 1st semester
- 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 MAT1020, 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.

- CIS 2011 - Visual Basic Programming Credits: 3  
Advised Term 1st/2nd year
- CIS 2060 - Programming with FORTRAN 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 1240 - Simple Computer Graphics Credits: 1  
Advised Term 1st/2nd year

## II. Divisional Core: (Four 3 Credit Courses, 1 Per Division, 12 Credits Total)

### Arts:

- ART 1010 - Experiencing the Arts Credits: 3  
Advised Term 1st/2nd year

### Humanities:

- HUM 1030 - Representing the World Credits: 3  
Advised Term 1st/2nd year

### Natural Sciences:

- SCI 1030 - The Life, Earth, and Physical Sciences Credits: 3  
Advised Term 1st/2nd year

### Social Sciences:

- SSC 1030 - Exploring the Social Sciences Credits: 3  
Advised Term 1st/2nd year

## III. Divisional Choice

(not required for Lyndon State College A.S. degree; required for all other Lyndon State College undergraduate degrees)

**Arts:** One 3 credit course [Choice:AR] Credits: 3  
Advised Term 1st/2nd year

**Humanities:** One 3 credit course [Choice:HU] Credits: 3  
Advised Term 1st/2nd year

**Natural Sciences:** One 4 credit lab course [Choice: NS] Credits: 4  
Advised Term 1st/2nd year

**Social Sciences:** One 3 credit course [Choice:SS] Credits: 3  
Advised Term 1st/2nd year

**Other Divisional Choice:** One 3-4 credit course [Choice: AR, HU, NS, SS, or OC] Credits: 3 to 4  
Advised Term 1st/2nd year

## IV. Unrestricted Electives

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

# Atmospheric Sciences

Nolan Atkins, Professor  
Jason Shafer, Assistant Professor  
Mark Tucker, ATM Systems Administrator  
Werner Wintels, Assistant Professor

### **B.S. Atmospheric Sciences**

- 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

Atmospheric Science Concentration in Computing (see Mathematics/Computer Science)

Atmospheric Sciences Concentration in Applied Mathematics (see Mathematics/Computer Science)

Certificate in Post-Baccalaureate Study

**Minor:** Atmospheric Sciences

**Pre-Atmospheric Sciences Program**

## Mission Statement

Atmospheric Sciences Department graduates have an understanding of the atmosphere that enables them to make a positive contribution to their profession and to society. Because students may select from different career tracks, this contribution could range from creating accurate weather forecasts, to communicating those efforts to clients or the public, to further advancing our understanding of the atmosphere through research endeavors. Regardless of their concentration, however, students are required to complete a core of study that gives them an essential foundation for understanding weather events.

## Program Goals



To this end, 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 maintain a current and rigorous curriculum.
- To provide students with a broad-based understanding of atmospheric science fundamentals.
- To provide students with several career tracks that allow them to develop specialized skills.
- To provide students with an environment that encourages experiential learning:
  1. Data analysis and interpretation in a laboratory setting
  2. Internships
  3. Field trips and participation in field programs
  4. Research experiences
- To provide students with opportunities to develop leadership skills.
- To expose students to professionals and atmospheric science events beyond the campus environment.

## Program Assessment

To ensure that the Atmospheric Sciences Department is successful in reaching the program goals, the following assessment strategies are routinely utilized:

- Frequent review of national guidelines
- Monitoring of employment trends and opportunities
- Collecting information on current trends in atmospheric science by attending professional meetings, serving of professional committees and informal discussion with colleagues
- Surveys of recent graduates, seniors, first year students, internship mentors, and employees
- Monitoring accomplishments of graduates

## 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,
- re-train for job placement or career change.

In general, the program requires twenty-four credits beyond those required for a BS degree, including an internship experience, a minimum of 18 credits taken at LSC, and grades above a C. Specifically, the twenty-four credits must:

- be 3000-6000 level courses,
- have ATM, MAT, PHY, CHE, CIS, ENV, GIS, BUS, and EJA designators,
- include 3-6 credits of ATM 4820 (Co-op),
- exclude courses explicitly required for the BS Atmospheric Sciences major,
- be approved by the student's advisor and the department faculty

## **Bachelor of Science**

### **Atmospheric Sciences**

#### **Requirements for the Bachelor of Science in Atmospheric Sciences**

Requirements include the Basic Mathematics and Science courses, a 3 year, 4 year, or 5 year plan for the Atmospheric Science courses, and at least one of the Career Concentrations.

#### **Basic 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

#### **3 Year Plan Atmospheric Sciences Courses: (39 Credits)**

(Requirement for entering 3-year plan is successful placement into MAT 2532 and PHY 2061 Fall Semester of student's 1st year.)

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

## 4 Year Plan 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

## 5 Year Plan 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 3rd Year
- ATM 2060 - Survey of Climate Science and Statistics Credits: 4  
Advised Term 2nd Year
- ATM 3110 - Remote Sensing Credits: 3  
Advised Term 5th Year
- ATM 3140 - Physical Meteorology Credits: 3  
Advised Term 5th Year
- ATM 3321 - Atmospheric Dynamics I Credits: 3  
Advised Term 4th Year
- ATM 3322 - Atmospheric Dynamics II Credits: 3  
Advised Term 4th Year
- ATM 3331 - Analysis and Forecasting I Credits: 3  
Advised Term 4th Year
- ATM 3332 - Analysis and Forecasting II Credits: 3  
Advised Term 4th Year
- ATM 4120 - Mesoscale Meteorology Credits: 3  
Advised Term 5th Year
- ATM 4712 - Thesis in Atmospheric Sciences I Credits: 2  
Advised Term 5th Year
- ATM 4713 - Thesis in Atmospheric Sciences II Credits: 2  
Advised Term 5th 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) plus:
- CHE 1033 - Accelerated General Chemistry Credits: 4
- MAT 3310 - Introduction to Differential Equations Credits: 3  
And one of the following:
- MAT 3730 - Topics in Differential Equations Credits: 3  
OR
- 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) plus;
- ATM 4030 - Synoptic Climate Science Credits: 3
- ATM 4040 - Hydrometeorology Credits: 3
- GIS 2010 - Spatial and Network Analysis Techniques in Geographic Information Systems 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  
AND
- ATM 4010 - Television Weathercasting Credits: 1  
AND
- EJA 4222 - Performance and Presentation III Credits: 2

OR

- EJA - Course (3 credits) at the 2000 level or above  
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 1010, BUS 2020, BUS 2230, BUS 3131, ECO 2020, or ECO 2030
- Three credits in computer science - choose from CIS 2060, CIS 2279, CIS 2141, CIS 2011, CIS 2272, or CIS 2290
- One 3 credit communications related course - choose from ENG 2060, ENG 1080, ENG 2020, or EJA 1221
- One GIS course - take GIS 2010
- Three credits of ATM electives - choose from ATM 3230, ATM 4020, ATM 4040, ATM 4050, ATM 4110, ATM 4030, ATM 3310, ATM 4130, or ATM 3170

## Environmental Sciences Concentration (13 - 14 Credits):

Minimum required credits for this concentration: 73 - 74

- ATM 4040 - Hydrometeorology Credits: 3
- ATM 4050 - Air Pollution Meteorology Credits: 3  
OR
- ENV 3110 - Environmental Pollution Credits: 4
- BIO 2070 - Introduction to Plant Biology Credits: 4  
OR
- BIO 2520 - Introduction to Animal Biology Credits: 4
- CHE 1033 - Accelerated General Chemistry Credits: 4

## Climate Change Concentration (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 3220 - Physical Oceanography Credits: 3
- ATM 4140 - Climate Change Dynamics Credits: 3
- GIS 2010 - Spatial and Network Analysis Techniques in Geographic Information Systems Credits: 3

## Computer Science Concentration (13 Credits):

Minimum required credits for this concentration: 73

- CIS 2060 - Programming with FORTRAN Credits: 3
- CIS 2141 - Programming Internet and Web Applications Part I Credits: 3
- CIS 2271 - Java Programming Credits: 3  
OR
- CIS 2032 - C++ Programming Credits: 3  
OR
- CIS 2011 - Visual Basic Programming Credits: 3  
OR
- CIS 2142 - Advanced Visual Basic Credits: 3
- CIS 2279 - Introduction to Perl Programming Credits: 1  
OR
- CIS 2290 - Introduction to Python Credits: 1

- CIS 2330 - Database Systems Credits: 3

## **Certificate**

### **Atmospheric Sciences Certificate**

#### **Certificate in Atmospheric Sciences**

A certificate in Atmospheric Sciences requires 24 credits beyond the 122 credits required for a BS degree. Specifically, the 24 credits must fulfill the following criteria:

- a. be 3000-6000 level courses.
- b. have ATM, MAT, PHY, CHE, CIS, ENV, GIS, BUS, and EJA designators.
- c. include 3 - 6 credits of ATM-4820 (Co-op).
- d. exclude courses explicitly required for the Atmospheric Sciences major.
- e. be approved by the student's advisor and the Atmospheric Sciences Department faculty.

## **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 4720 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 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 Science Credits: 3  
Advised Term - 2nd Semester
- INT 1020 - Entering an Academic Community Credits: 2  
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
- SCI 1030 - The Life, Earth, and Physical Sciences Credits: 3  
Advised Term - 1st Semester

## Business Administration

Mark Hilton, Associate Professor  
Rodney Jacobson, Assistant Professor  
Linda Mitchell, Professor  
Rachel Siegel, CFA, Professor

### **A.S. Business Administration**

#### **B.S. Accounting**

Financial Accounting and Reporting

Management Accounting

#### **B.S. Business Administration**

Business Administration

Finance and Accounting

#### **B.S. Small Business Management and Entrepreneurship**

**Minors:** Business, Marketing



## **Mission Statement**

In order to meet the demands of a rapidly and dramatically changing world, the central objective of the Business Administration Department is to remain current and relevant. Thus the department provides students with the requisite knowledge and abilities to pursue a successful and satisfying career in any of many possible endeavors. In order to achieve this central objective, we are continually evaluating our programs and courses, dropping and adding as we do so, to ensure that we are teaching in fields that are vibrant and growing with the promise of substantial success for those who seek it.

## **Program Goals**

In order to achieve our mission we need to assist our students to obtain the following goals:

- achieve coherence and articulation in written, oral, and graphic communication
- establish an understanding and appreciation of the interrelationships of interpersonal behavior within organizations
- demonstrate fluency with computer skills in word processing, database management, spreadsheets, and Internet resources
- 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 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. In the final analysis, it is our graduates' success in the greater world which we value most highly.

## **Associate of Science**

### **Business Administration - Associate of Science**

Minimum required credits for the program: 35

### **Requirements for the Associate of Science in Business Administration**

#### **Business Administration Core: (29 Credits)**

- ACC 2121 - Financial Accounting Credits: 4  
Advised Term 1st/2nd Year
- ACC 2122 - Managerial Accounting Credits: 4  
Advised Term 2nd Year
- BUS 1010 - Introduction to Business Credits: 3  
Advised Term 1st Year
- BUS 1210 - Introduction to Business Software Credits: 3  
Advised Term 1st Year
- BUS 2020 - Principles of Management Credits: 3  
Advised Term 2nd Year
- BUS 2230 - Principles of Marketing Credits: 3

- Advised Term 2nd Year
- BUS 2420 - Effective Management Presentations Credits: 3  
Advised Term 1st/2nd Year
- ECO 2020 - Macroeconomics Credits: 3  
Advised Term 1st/2nd Year
- ECO 2030 - Microeconomics Credits: 3  
Advised Term 1st/2nd Year

## Business Concentration: (6 Credits)

Advised Term - First or Second Year

Choose two courses (six credits) from the courses for Business Concentration at the end of this section.

## Bachelor of Science

### Accounting - Financial Accounting & Reporting

Minimum required credits for the program: 73

### Requirements for the Bachelor of Science in Accounting - Financial Accounting & Reporting

- ACC 2121 - Financial Accounting Credits: 4  
Advised Term 1st Year
- ACC 2122 - Managerial Accounting Credits: 4  
Advised Term 2nd Year
- ACC 2230 - Federal Taxes Credits: 3  
Advised Term 3rd/4th Year
- ACC 3025 - Cost Management Credits: 3  
Advised Term 2nd/3rd Year
- ACC 3111 - Advanced Intermediate Accounting I Credits: 4  
Advised Term 2nd/3rd Year
- ACC 3112 - Advanced Intermediate Accounting II Credits: 4  
Advised Term 2nd/3rd Year
- ACC 4050 - Auditing and Assurance Services Credits: 3  
Advised Term 3rd/4th Year
- BUS 1010 - Introduction to Business Credits: 3  
Advised Term 1st Year
- BUS 1210 - Introduction to Business Software Credits: 3  
Advised Term 1st Year
- BUS 2020 - Principles of Management Credits: 3  
Advised Term 2nd Year
- BUS 2230 - Principles of Marketing Credits: 3  
Advised Term 2nd Year
- BUS 2420 - Effective Management Presentations Credits: 3  
Advised Term 1st/2nd Year
- BUS 3131 - Business Law I Credits: 3

- Advised Term 1st Year
- BUS 3132 - Business Law II Credits: 3  
Advised Term 2nd/3rd Year
- BUS 3150 - Production/Operations Management Credits: 3  
Advised Term 3rd Year
- BUS 3230 - Financial Management Credits: 3  
Advised Term 3rd Year
- BUS 3240 - International Business Credits: 3  
Advised Term 3rd Year
- BUS 3250 - Organizational Behavior in Business Credits: 3  
Advised Term 3rd Year
- BUS 3810 - Business Internship Credits: 3  
Or BUS-4830 Senior Practicum  
Advised Term 4th Year
- BUS 4060 - Strategic Management Credits: 3  
Advised Term 4th Year
- ECO 2020 - Macroeconomics Credits: 3  
Advised Term 1st/2nd Year
- ECO 2030 - Microeconomics Credits: 3  
Advised Term 1st/2nd Year
- MAT 2021 - Statistics Credits: 3  
Advised Term 2nd Year

## **Accounting - Management Accounting**

Minimum required credits for the program: 69

### **Requirements for the Bachelor of Science in Accounting - Management Accounting**

- ACC 2121 - Financial Accounting Credits: 4  
Advised Term 1st Year
- ACC 2122 - Managerial Accounting Credits: 4  
Advised Term 2nd Year
- ACC 3025 - Cost Management Credits: 3  
Advised Term 2nd/3rd Year
- ACC 3040 - Auditing Process Credits: 1  
Advised Term 2nd/3rd/4th Year
- ACC 4010 - Accounting Information Systems Credits: 3  
Advised Term 3rd/4th Year
- BUS 1010 - Introduction to Business Credits: 3  
Advised Term 1st Year
- BUS 1210 - Introduction to Business Software Credits: 3  
Advised Term 1st Year
- BUS 2020 - Principles of Management Credits: 3  
Advised Term 2nd Year
- BUS 2230 - Principles of Marketing Credits: 3  
Advised Term 2nd Year
- BUS 2420 - Effective Management Presentations Credits: 3

- Advised Term 1st/2nd Year
- BUS 3131 - Business Law I Credits: 3  
Advised Term 1st Year
- BUS 3132 - Business Law II Credits: 3  
Advised Term 2nd/3rd/4th Year
- BUS 3150 - Production/Operations Management Credits: 3  
Advised Term 3rd Year
- BUS 3230 - Financial Management Credits: 3  
Advised Term 2nd/3rd Year
- BUS 3240 - International Business Credits: 3  
Advised Term 3rd Year
- BUS 3250 - Organizational Behavior in Business Credits: 3  
Advised Term 3rd Year
- BUS 3810 - Business Internship Credits: 3  
or BUS-4830 Senior Practicum  
Advised Term 4th Year
- BUS 4060 - Strategic Management Credits: 3  
Advised Term 4th Year
- BUS 4150 - Quantitative Business Decision-Making Credits: 3  
Advised Term 2nd/3rd/4th Year
- BUS 4160 - Financial Analysis Credits: 3  
Advised Term 3rd/4th Year
- ECO 2020 - Macroeconomics Credits: 3  
Advised Term 1st/2nd Year
- ECO 2030 - Microeconomics Credits: 3  
Advised Term 1st/2nd Year
- MAT 2021 - Statistics Credits: 3  
Advised Term 2nd Year

## **Business Administration**

Minimum required credits for the program - 65

### Requirements for the Bachelor of Science in Business Administration

#### Core: (53 Credits)

- ACC 2121 - Financial Accounting Credits: 4  
Advised Term 1st/2nd Year
- ACC 2122 - Managerial Accounting Credits: 4  
Advised Term 2nd Year
- BUS 1010 - Introduction to Business Credits: 3  
Advised Term 1st Year
- BUS 1210 - Introduction to Business Software Credits: 3  
Advised Term 1st Year
- BUS 2020 - Principles of Management Credits: 3  
Advised Term 2nd Year
- BUS 2230 - Principles of Marketing Credits: 3  
Advised Term 2nd Year

- BUS 2420 - Effective Management Presentations Credits: 3  
Advised Term 1st/2nd Year
- BUS 3131 - Business Law I Credits: 3  
Advised Term 1st Year
- BUS 3150 - Production/Operations Management Credits: 3  
Advised Term 3rd Year
- BUS 3230 - Financial Management Credits: 3  
Advised Term 3rd Year
- BUS 3240 - International Business Credits: 3  
Advised Term 3rd Year
- BUS 3250 - Organizational Behavior in Business Credits: 3  
Advised Term 3rd Year
- BUS 3810 - Business Internship Credits: 3  
or BUS 4830 Senior Practicum, Advised Term 4th Year
- BUS 4060 - Strategic Management Credits: 3  
Advised Term 4th Year
- ECO 2020 - Macroeconomics Credits: 3  
Advised Term 1st/2nd Year
- ECO 2030 - Microeconomics Credits: 3  
Advised Term 1st/2nd Year
- MAT 2021 - Statistics Credits: 3  
Advised Term 2nd Year

## Business Concentration: (12 credits)

Advised Term - Third and Fourth Year

Choose four courses (twelve credits) from the Business Concentration list at the end of this section.

## **Business Administration - Finance & Accounting**

Minimum required credits for the program - 65

### Requirements for the Bachelor of Science in Business Administration - Finance and Accounting

Core Requirements: 53 credits

- ACC 2121 - Financial Accounting Credits: 4  
Advised Term 1st/2nd Year
- ACC 2122 - Managerial Accounting Credits: 4  
Advised Term 2nd Year
- BUS 1010 - Introduction to Business Credits: 3  
Advised Term 1st Year
- BUS 1210 - Introduction to Business Software Credits: 3  
Advised Term 1st Year
- BUS 2020 - Principles of Management Credits: 3  
Advised Term 2nd Year
- BUS 2230 - Principles of Marketing Credits: 3

- Advised Term 2nd Year
- BUS 2420 - Effective Management Presentations Credits: 3  
Advised Term 1st/2nd Year
- BUS 3131 - Business Law I Credits: 3  
Advised Term 1st/2nd Year
- BUS 3150 - Production/Operations Management Credits: 3  
Advised Term 2nd/3rd Year
- BUS 3230 - Financial Management Credits: 3  
Advised Term 2nd/3rd Year
- BUS 3240 - International Business Credits: 3  
Advised Term 3rd Year
- BUS 3250 - Organizational Behavior in Business Credits: 3  
Advised Term 3rd Year
- BUS 3810 - Business Internship Credits: 3  
or BUS-4830 Senior Practicum  
Advised Term 4th Year
- BUS 4060 - Strategic Management Credits: 3  
Advised Term 4th Year
- ECO 2020 - Macroeconomics Credits: 3  
Advised Term 1st/2nd Year
- ECO 2030 - Microeconomics Credits: 3  
Advised Term 1st/2nd Year
- MAT 2021 - Statistics Credits: 3  
Advised Term 2nd Year

## Concentration in Finance and Accounting

Take 12 credits of the following:

- ACC 2230 - Federal Taxes Credits: 3
- BUS 2060 - Money and Capital Markets Credits: 3
- BUS 3260 - Investment and Portfolio Management Credits: 3
- BUS 4150 - Quantitative Business Decision-Making Credits: 3
- BUS 4160 - Financial Analysis Credits: 3
- BUS 4260 - Financing and Financial Management of Emerging Enterprises Credits: 3

## Small Business Management & Entrepreneurship

Minimum required credits for the program - 66

### Requirements for the Bachelor of Science in Small Business Management & Entrepreneurship

#### Core Requirements: (60 Credits)

- ACC 2121 - Financial Accounting Credits: 4  
Advised Term 1st/2nd Year
- ACC 2122 - Managerial Accounting Credits: 4

- Advised Term 2nd Year
- BUS 1010 - Introduction to Business Credits: 3  
Advised Term 1st Year
- BUS 1210 - Introduction to Business Software Credits: 3  
Advised Term 1st Year
- BUS 2020 - Principles of Management Credits: 3  
Advised Term 2nd Year
- BUS 2230 - Principles of Marketing Credits: 3  
Advised Term 2nd Year
- BUS 2250 - Business Ethics Credits: 3  
Advised Term 3rd Year
- BUS 2420 - Effective Management Presentations Credits: 3  
Advised Term 1st/2nd Year
- BUS 3131 - Business Law I Credits: 3  
Advised Term 2nd Year
- BUS 3240 - International Business Credits: 3  
Advised Term 3rd Year
- BUS 3350 - Entrepreneurship Credits: 3  
Advised Term 3rd Year
- BUS 3360 - The Small Business Plan Credits: 3  
Advised Term 3rd Year
- BUS 4020 - Small Business Problems Credits: 4  
Advised Term 4th Year
- BUS 4240 - Small Business Marketing and Sales Credits: 3  
OR BUS-3160 Sales Management and Selling  
Advised Term 3rd/4th Year
- BUS 4260 - Financing and Financial Management of Emerging Enterprises Credits: 3  
Advised Term 4th Year
- BUS 4420 - e-Commerce Sales and Marketing Credits: 3  
Advised Term 3rd Year
- BUS 4830 - Senior Practicum Credits: 3  
or BUS 3810 Business Internship  
Advised Term 4th Year
- ECO 2030 - Microeconomics Credits: 3  
Advised Term 1st/2nd Year
- MAT 2021 - Statistics Credits: 3  
Advised Term 2nd Year

## Business Concentration: (6 Credits)

Choose two courses (six credits) from the courses for Business Concentration at the end of this section.

## Minor

### Business Minor

Minimum required credits for the minor: 19

## Minor in Business:

- BUS - In addition to the following, one additional Business course (with the designation of ACC, BUS, or ECO) that meets A.S. degree requirements Credits: 3
- ACC 2121 - Financial Accounting Credits: 4
- BUS 1010 - Introduction to Business Credits: 3
- BUS 1210 - Introduction to Business Software Credits: 3
- BUS 2020 - Principles of Management Credits: 3
- BUS 2230 - Principles of Marketing Credits: 3

## Marketing Minor

Minimum required credits for the minor: 18

## Minor in Marketing

Take:

- BUS 1010 - Introduction to Business Credits: 3
- BUS 1210 - Introduction to Business Software Credits: 3
- BUS 2230 - Principles of Marketing Credits: 3
- ECO 2030 - Microeconomics Credits: 3

## Take Two Additional Courses Selected From:

- BUS 2235 - Service Marketing Credits: 3
- BUS 3030 - Customer Satisfaction and Retention Credits: 3
- BUS 3160 - Sales Management and Selling Credits: 3
- BUS 3210 - Advertising Management Credits: 3
- BUS 4030 - Marketing Research Credits: 3
- BUS 4240 - Small Business Marketing and Sales Credits: 3
- BUS 4420 - e-Commerce Sales and Marketing Credits: 3
- GDS 3150 - Package Design Credits: 3
- GDS 4020 - Branding and Corporate Identity Credits: 3
- ENG 2155 - Introduction to Multimedia Storytelling Credits: 3
- ENG 3080 - Strategic Media Communications Credits: 3
- NMS 1015 - Introduction to New Media Credits: 3
- MRM 3110 - Public Relations Credits: 3
- EJA 1010 - Introduction to Media Communication 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**	Up to Age 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 Academic Dean. 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. At Lyndon State College this includes all students taking a student teaching course. As a convenience, the college provides a fingerprinting service to its matriculated students. This service is available by appointment in the Security Office at no cost.

# Education

Ernest Broadwater, Professor

Barry Hertz, Professor

Linda Metzke, Professor

Timothy Sturm, Professor

**B.S. Elementary Education, Endorsements:** (The following concentrations allow for Vermont licensing)

Elementary Education

Early Childhood Education

Special Education - Special Educator (K-8)

**A.S. Special Education**

## Program Mission Statement

In keeping with the mission of Lyndon State College and the requirements of the Vermont Department of Education, the successful student will graduate with a major in both Education and Liberal Studies, or one of the Liberal Arts and Sciences.

## Program Goals

Our goals articulate the unifying theme of our college-wide teaching programs: "Teaching is Learning." The Education Department program goals are :

- to prepare students to meet the competencies defined by the Vermont State Board of Education
- to increase students' content competencies through the completion of a degree in the Liberal Arts and Sciences, Liberal Studies, or Interdisciplinary Liberal Studies
- to prepare students for teaching through extensive field-based experience in teaching and classroom work.

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.

## Program Assessment

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 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. 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. The core program plus 12 additional credits and student teaching allow students to be licensed as a Special Educator (K-8); or a Special Educator (K-8) and an Elementary Teacher (K-6).
3. 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**

1. Students should apply to their major during the second semester of their sophomore year.
2. Students must have completed EDU 2210 Foundations of Education: Elementary and Special Education, EDU 2840, Field Experience, and EDU 3020 Educational Psychology, or the equivalent, with grades of C- or better.
3. To be accepted to the major, the department will review reading and math competencies.
4. A cumulative grade-point average of (2.50 overall and 2.75 major) is required.
5. Students must pass the Praxis I standardized test in order to be accepted to the Education major.
6. Students will be informed the following fall semester as to whether they are accepted, provisionally accepted or denied acceptance to the major.

## **Eligibility for Student Teaching**

Student teaching, usually carried out during the senior year, requires the student to have successfully completed the Praxis I and Praxis II, 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 Academic Dean. Departmental permission is required, as well as acceptable progress towards "Satisfactory" on the Professional Attributes and Disposition Assessment. Students must pass a course in First Aid and complete the Criminal Records check before they student teach.

## **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.

## **Completion of Student Teaching**

In order to be eligible for licensing in Vermont, student teachers must receive a grade of "B" or better in student teaching, a minimum ranking of "Satisfactory" on the Professional Attributes and Disposition Assessment, and receive a positive recommendation from the college supervisor.

## **Second Major: Liberal Arts**

Elementary education majors must also select a liberal arts major. Any of the regularly offered liberal arts major programs in the college or one of the broad-based Liberal Studies majors can be selected. The student must select a major and advisor in that field as soon as possible in his/her program.

## **Associate of Science**

### **Special Education - Associate of Science**

Minimum required credits for the program: 66

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.

### **Special Education Required Courses (32 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 1010 - Supporting Students With Challenging Behaviors Credits: 2
- 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 2840 - Field Experience Credits: 3
- EDU 2855 - Practicum for Paraeducators Credits: 3
- EDU 3020 - Educational Psychology Credits: 3
- 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 (8 credits):

Unrestricted electives for 8 credits (examples: PSY 3050 Child Development; SOC 2040 Race, Ethnicity, Class and Gender; Divisional Choice courses; Education/Special Education electives)

## Bachelor of Science

### Elementary Education — Early Childhood License (Pre K-Grade 3)

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

### Requirements for Elementary Education - Early Childhood License (Pre K-Grade 3)

#### Early Childhood License Core: (49 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 2240 - Instructional Planning Credits: 2  
Advised Term 2nd 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: 2

- 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

### Concentration: (21 Credits)

- 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 Education — Elementary License

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

### Requirements for Elementary Education - Elementary License

#### Elementary License Core: (49 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 2240 - Instructional Planning Credits: 2  
Advised Term 2nd 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: 2  
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

### Concentration: (12 Credits)

- EDU 4811 - Teaching Elementary Education Credits: 12  
Advised Term 4th Year

## **Elementary Education — Special Educator (K-8) License**

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

## Requirements for Elementary Education - Special Educator (K-8) License

### Special Educator (K-8) Core: (49 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 2240 - Instructional Planning Credits: 2  
Advised Term 2nd 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: 2  
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

### Concentration: (24 Credits)

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

## Electronic Journalism Arts

Charlotte Albright, Assistant Professor

David Ballou, Professor

Darlene R. Bolduc-Ballou, Director of Broadcast Operations

Tim Lewis, Associate Professor

Meaghan Meachem, Assistant Professor

Mark Mohrmann, Video Broadcast Technician

Aaron Young, Telecommunications Technician

### A.S. Electronic Journalism Arts

### B.S. Electronic Journalism Arts

### Program Mission Statement

The 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.

The Electronic Journalism Arts program offers students skills and knowledge acquisition techniques in reporting for visual, editorial, online and print mediums. The capstone community service learning experience for students is 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.

The Vermont Center for Community Journalism encompasses the 14 Vermont towns surrounding the campus. The thirty-one thousand inhabitants are informed by the nationally-award winning live broadcasts of LSC-TV News 7 (Best College Newscast in the country – Society of Professional Journalists 1997 and NATAS Emmy 2004) that began in 1979, as well as Lyndon's nationally recognized online news outlet NewsLINC (Finalist Best Student Website - College Media Advisors 2009) that debuted in 2009. A new electronic print publication will debut in 2010. Lyndon students demonstrate competence and creativity in written, oral, and presentational communication, and critical and analytical skills. 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.

# Common Program Goals

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.

## 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 further assessment of the program.

Public feedback from viewers of LSC-TV programming provides additional 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

### Electronic Journalism Arts - A.S.

Minimum required credits for the program - 33

#### Requirements for the Associate of Science in Electronic Journalism Arts

- 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
- ENG 2155 - Introduction to Multimedia Storytelling Credits: 3  
Advised Term - 2nd Year
- EJA 2160 - History of Journalism Credits: 3  
Advised Term - 2nd Year

## **Bachelor of Science**

### **Electronic Journalism Arts - B.S.**

Minimum required credits for the program: 70

#### Requirements for the Bachelor of Science in Electronic Journalism Arts

##### Electronic Journalism Core: (33 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
- ENG 2155 - Introduction to Multimedia Storytelling Credits: 3  
Advised Term - 2nd Year
- EJA 2160 - History of Journalism Credits: 3  
Advised Term - 2nd Year

##### Electronic Journalism Capstone: (37 Credits)

- EJA 2810 - VCCJ Practicum I - Editorial Credits: 3

OR EJA 2820 VCCJ Practicum I - News & Production OR EJA 2825 Practicum I - Publication  
Advised Term - 3rd Year

- EJA 2843 - Performance and Presentation I Credits: 3  
Advised Term - 3rd Year
- EJA 3810 - VCCJ Practicum II Credits: 6  
Videojournalist, Visual (News 7 and NewsLINC), Editorial (News 7 and NewsLINC)  
Advised Term - 3rd Year
- EJA 3222 - Performance and Presentation II Credits: 3  
Advised Term - 3rd Year
- EJA 3030 - Law and Regulation 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 OR ENG 4030 Writing and Publication Workshop  
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 OR EJA 4852 NewsLINC Special Projects OR ENG 4910  
Portfolio/Thesis  
Advised Term - 4th Year
- EJA 4822 - Performance and Presentation IV Credits: 2  
Advised Term - 4th Year

## English, Philosophy, and Film Studies

David B. Beliles, Professor

Chandler R. Gilman, Associate Professor

David M. Johnston, Assistant Professor

Andrea Luna, Professor

Richard H. Moye, Professor

Elaine Razzano, Professor

Dan Williams, Assistant Professor

### **Bachelor of Arts in English**

Literature and Cultural Studies

Journalism and Writing

### **Bachelor of Arts in Media Communications**

### **Bachelor of Arts in Philosophy**

Culture and Society

Film Studies

**Licensure in Secondary Education** (see also Secondary Education)

**Liberal Studies Concentrations** (see also Liberal Studies)

**Minors:** English, Film Studies, Philosophy

## Program Mission Statement

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 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": journalism and professional writing, creative writing, literature, philosophy, film, and cultural studies. With three 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, Journalism and 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 Media 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, there are several flexible program opportunities in Literature or Cultural Studies in English or in Culture and Society or Film Studies in Philosophy.

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 and in Philosophy provide additional opportunities for students to create individual programs in philosophy, literature, writing, film or cultural studies.

In addition to the three majors, the licensure program, and the minor and liberal studies programs, one of the department's central roles is in designing and implementing the college's First-Year Writing Program.

Our effort is to prepare all of our students—majors and nonmajors—for the richness of a lifetime of reading, thinking, and writing, as well as to supply a firm and comprehensive 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, "web" 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.

## **Common Program Goals**

In providing students with the essential foundation of a liberal arts education in all its various programs, 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
- to provide students with critical reading and research skills
- to train students in the kind of analytical, interpretive, and communicative skills that are valuable not only in graduate study, but in any area of management and communications, from personnel to public relations
- to develop and enhance students' writing skills
- as with any liberal arts discipline, to teach students how to learn by developing their critical thinking skills

## **Program Assessment**

The department's comprehensive assessment procedures are available on request and on the department's web page at: [www.lyndonstate.edu/english/dept/assessment.htm](http://www.lyndonstate.edu/english/dept/assessment.htm) .

## **Bachelor of Arts**

# English — Journalism and Creative Writing

Minimum required credits for the program: 45

## Requirements for the Bachelor of Arts in English - Journalism and Creative Writing

### Journalism and Creative Writing Core: (30 Credits)

#### Writing: (9 credits)

Take:

- 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 - Approaches to Literature Credits: 3  
Advised Term 2nd Year

#### Literature: (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  
Advised Term 2nd/3rd Year
- ENG 2325 - Survey of American Literature and Culture Credits: 3  
Advised Term 2nd/3rd Year
- ENG 2390 - Survey of World Literature: Explorations Credits: 3  
Advised Term 2nd/3rd Year
- ENG 2480 - Survey of Literary Non-Fiction 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 2070 - 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

### Capstone: (3 credits)

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

### Concentration Courses: (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 - Publication Credits: 3
- ENG 3080 - Strategic Media Communications Credits: 3
- ENG 3150 - Creative Non-Fiction: From Pre-writing to Publication Credits: 3
- ENG 4020 - Law of the Media Credits: 3  
OR EJA 3030 Law and Regulation
- ENG 4030 - Writing and Publication Workshop Credits: 3 or 6
- 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 - in addition to the following, choose from any advanced Literature or Cultural Studies courses, with the approval of advisor.)

- 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 3150 - Creative Non-Fiction: From Pre-writing to Publication Credits: 3

- ENG 4030 - Writing and Publication Workshop Credits: 3 or 6

## English — Literature and Cultural Studies

Minimum required credits for the program: 45

### Requirements for the Bachelor of Arts in English - Literature and Cultural Studies

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

#### Literature and Cultural Studies Core: (30 Credits)

##### Writing: (9 credits)

Take:

- 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 - Approaches to Literature Credits: 3  
\* See note above  
Advised Term 2nd Year

##### Literature: (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  
Advised Term 2nd/3rd Year  
\* See note above
- ENG 2325 - Survey of American Literature and Culture Credits: 3  
Advised Term 2nd/3rd Year  
\* See note above
- ENG 2390 - Survey of World Literature: Explorations Credits: 3  
Advised Term 2nd/3rd Year

\* See note above

- ENG 2480 - Survey of Literary Non-Fiction 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.

- 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 2070 - 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

## Capstone: (3 credits)

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

## Concentration Courses: (15 Credits)

Five courses in either the Literature or Cultural Studies track.

### Literature Track

Required:

- In addition to the following required courses, choose from any 3000/4000-level literature courses
- ENG 3420 - Issues in British Literature and Culture 750-1750 Credits: 3
- ENG 3450 - Issues in British Literature and Culture 1750-present Credits: 3

### Cultural Studies Track:

- Choose from any 3000/4000-level philosophy courses
- Choose from any 3000/4000-level cultural-studies based literature courses

## Media Communications

Minimum required credits for the program: 48.

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

## Required Courses

### Introductory Courses (9 credits)

- ENG 1080 - Expository Speaking Credits: 3  
Advised Term 1st Year
- NMS 1015 - Introduction to New Media Credits: 3  
Advised Term 1st Year
- EJA 1010 - Introduction to Media Communication Credits: 3  
Advised Term 1st Year

### Foundation Courses (18 credits)

- BUS 2230 - Principles of Marketing Credits: 3  
Advised Term 1st/2nd Year
- BUS 2250 - Business Ethics Credits: 3  
Advised Term 2nd Year
- ENG 2040 - Journalistic Writing Credits: 3  
Advised Term 1st/2nd Year
- ENG 2155 - Introduction to Multimedia Storytelling Credits: 3  
Advised Term 1st/2nd Year
- NMS 2010 - Motion Graphics Credits: 3  
Advised Term 2nd Year
- NMS 2050 - Web Design and Digital Imaging Credits: 3  
Advised Term 2nd Year

### Specialized Courses (12 credits)

- EJA 2825 - VCCJ Practicum I - Publication Credits: 3  
Advised Term 3rd Year
- ENG 3080 - Strategic Media Communications Credits: 3  
Advised Term 2nd/3rd Year
- NMS 3050 - Non-Linear Video Editing Credits: 3  
Advised Term 3rd Year
- EJA 2050 - Digital Image Acquisition Credits: 3  
Advised Term 2nd/3rd Year

### Advanced Courses (9 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
- 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)

## Philosophy

Minimum required credits for the program: 42

### Core: (27 credits)

#### Required Courses (6 credits)

- PHI 1020 - Critical Thinking Credits: 3  
Advised Term 1st Year
- PHI 2030 - Approaches to Philosophy Credits: 3  
Advised Term 1st/2nd Year

#### Choice courses (18 credits with at least 9 credits from PHI)

- ENG 2250 - Approaches to Literature Credits: 3  
Advised Term 2nd Year
- FLM 1055 - Film Analysis and Appreciation Credits: 3  
Advised Term 1st/2nd Year
- FLM 2020 - Semiotics and Cinema Credits: 3  
Advised Term 2nd/3rd Year
- PHI 1050 - Ethical Practice Credits: 3  
Advised Term 1st/2nd Year
- PHI 2050 - Environmental Philosophy Credits: 3  
Advised Term 2nd Year
- PHI 2070 - Philosophy of Film and Television Credits: 3  
Advised Term 2nd Year
- PHI 2090 - Popular Culture and Philosophy Credits: 3  
Advised Term 2nd Year
- PHI 2710 - Special Topics in Philosophy Credits: 3  
Advised Term 2nd Year  
\*selected courses at the 1000 or 2000 level with approval of advisor

#### Capstone: choose one (3 credits)

- FLM 4610 - Senior Thesis Credits: 3  
Advised Term 4th Year
- PHI 4610 - Senior Thesis Credits: 3  
Advised Term 4th Year

## Concentrations (15 credits) - Choose from:

### Culture and Society (15 credits with at least 9 credits from PHI)

- PHI 3010 - Political Philosophy Credits: 3  
Advised Term 3rd/4th Year
- PHI 3130 - Philosophies of Gender Credits: 3  
Advised Term 3rd/4th Year
- PHI 3140 - Philosophies of Art Credits: 3  
Advised Term 3rd/4th Year
- PHI 3710 - Special Topics in Philosophy Credits: 3  
Advised Term 3rd/4th Year
- PHI 4010 - Philosophy and Society Credits: 3  
Advised Term 3rd/4th Year
- PHI 4710 - Special Topics in Philosophy Credits: 1 to 3  
Advised Term 3rd/4th Year
- PHI 4810 - Internship in Philosophy Credits: 1 to 12  
Advised Term 3rd/4th Year  
\*selected courses at the 3000 or 4000 level with approval of advisor

### Film Studies (15 credits with at least 9 credits from FLM)

#### Required courses:

- FLM 2010 - History of Cinema Credits: 3  
Advised Term 2nd/3rd Year
- FLM 4010 - Theory of Cinema Credits: 3  
Advised Term 3rd/4th Year

#### Choose three courses from:

- FLM 3010 - Auteur Filmmakers Seminar Credits: 3  
Advised Term 3rd/4th Year
- FLM 3610 - Film Studies Seminar Credits: 3  
Advised Term 3rd/4th Year
- FLM 3710 - Special Topics in Film Studies Credits: 3  
Advised Term 3rd/4th Year
- FLM 4710 - Special Topics in Film Studies Credits: 3  
Advised Term 3rd/4th Year
- FLM 4810 - Internship in Film Studies Credits: 3  
Advised Term 3rd/4th Year
- PHI 3140 - Philosophies of Art Credits: 3  
Advised Term 3rd/4th Year  
\*selected courses at the 3000 or 4000 level with approval of advisor

## Minor

# English Minor

Minimum required credits for the minor: 24

## Minor in English

### 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 - Approaches to Literature 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 2070 - 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

## Required Courses (12 Credits):

- FLM 1055 - Film Analysis and Appreciation Credits: 3
- FLM 2010 - History of Cinema Credits: 3
- FLM 4010 - Theory of Cinema Credits: 3
- PHI 2070 - Philosophy of Film and Television Credits: 3

## Choice Courses (9 credits with at least 6 FLM credits at the 3000 or 4000 level):

- FLM 2020 - Semiotics and Cinema Credits: 3
- FLM 2710 - Special Topics in Film Studies Credits: 3
- FLM 3010 - Auteur Filmmakers Seminar Credits: 3
- FLM 3610 - Film Studies Seminar Credits: 3
- FLM 3710 - Special Topics in Film Studies Credits: 3
- FLM 4710 - Special Topics in Film Studies Credits: 3
- FLM 4810 - Internship in Film Studies Credits: 3
- PHI 3140 - Philosophies of Art Credits: 3
- THA 1041 - Introduction to Theatre Credits: 3
- EJA 1010 - Introduction to Media Communication Credits: 3

## Philosophy Minor

Minimum required credits for the minor: 21

### Minor in Philosophy

Required courses (6 credits):

- PHI 1020 - Critical Thinking Credits: 3
- PHI 2030 - Approaches to Philosophy Credits: 3

### Choice Courses (15 credits)

Take 15 credits from the courses below with at least 9 credits at the 3000 or 4000 level):

- PHI 1050 - Ethical Practice Credits: 3
- PHI 2050 - Environmental Philosophy Credits: 3
- PHI 2070 - Philosophy of Film and Television Credits: 3
- PHI 2090 - Popular Culture and Philosophy Credits: 3
- PHI 2710 - Special Topics in Philosophy Credits: 3
- PHI 3010 - Political Philosophy Credits: 3
- PHI 3130 - Philosophies of Gender Credits: 3
- PHI 3140 - Philosophies of Art Credits: 3



- PHI 3710 - Special Topics in Philosophy Credits: 3
- PHI 4010 - Philosophy and Society Credits: 3
- PHI 4710 - Special Topics in Philosophy Credits: 1 to 3
- PHI 4810 - Internship in Philosophy Credits: 1 to 12  
(Only 3 credits may be counted for the program)

## Exercise Science

Katie Bouley, Assistant Professor  
 Geoffrey Davison, Assistant Professor  
 Gregory Ledoux, Assistant Professor  
 Anthony Sgherza, Associate Professor

### **B.S. Exercise Science:**

#### **Secondary Areas:**

Pre-professional Physical Therapy (PT\*, OT, PA)

\*3+3 (UVM)

Pre-professional Athletic Training\*

\*4+2 (PSU)

Self-Designed

Strength and Health Fitness Conditioning

\*CPT, CSCS (NSCA)

\*CPT, HFS (ACSM)

Sports Management

### **B.S. Physical Education**

**Minor:** 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 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.

## Common 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 (student teaching, 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.

Teacher preparation courses use standards based syllabi that include course assignments and rubrics for evaluation of each assignment. Teacher education students are required, as a capstone experience, to present their licensure portfolio to a panel of professionals after completing student teaching. All seniors are required to take XSC 4071 and 4072, a two-semester research methods sequence which integrates scholarship, professional study and, as a capstone project, a presentation of their research project. Graduate surveys are scored to provide feedback of the program. Program improvements may result from this information.

## **Program Study**

Bachelor degrees in physical education and exercise science consist of a core of primary courses which all students in the department must complete. Career tracks allow students to select an area of concentration. 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 unique self-designed secondary area requires a minimum of 25 credits of course work with a coherent theme and focus. The self-designed program must be proposed and approved by the Department of Exercise Science.

Articulation agreements with University of Vermont (physical therapy) and Plymouth State University (athletic training) offer students unique opportunities for entry level graduate and professional study in these chosen careers. Pre-professional study in physical therapy offers an option of professional application to University of Vermont following completion of the third year at LSC (\*3 + 3 UVM). Pre-professional study in athletic training offers an option for entry level graduate study in athletic training (\*4 + 2) at Plymouth State University.

Students pursuing strength and conditioning – health fitness career option are prepared with the knowledge, skills, and abilities to sit for nationally recognized certifications; namely, National Strength and Conditioning Association – Certified Personal Trainer (CPT), Certified Strength and Conditioning Specialist (CSCS) and American College of Sports Medicine – Health Fitness Specialist (HFS).

The Exercise Science Department at Lyndon is accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP) in coordination with the American College of Sports Medicine (ACSM). Lyndon is only the 24th institution to receive this distinction out of 408 Exercise Science programs nationally. Lyndon is one of only five schools in the nation to be both CAAHEP accredited and NSCA recognized.

The Teacher Licensure Program satisfies the teaching competencies and the State of Vermont Standards for licensure. Vermont recognizes the Exercise Science core of requirements that satisfies the double major requirement for licensure. 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.

To meet the competencies for the Vermont Department of Education transcript review worksheet endorsement #31 in health education, students must take:

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-4820) and internship (XSC-4810).

### **Bachelor of Science**

### **Exercise Science - Strength and Conditioning - Health Fitness**

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.

## Health Fitness Instruction: Strength and Conditioning

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

## Exercise Science — Pre-Professional Athletic Training

Minimum required credits for the program: 61

### Concentration - Pre-Professional Athletic Training

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

## **Exercise Science — Pre-Professional Physical Therapy**

Minimum required credits for the program: 59

\*This track 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).

### **Concentration - Pre-Professional Physical Therapy**

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  
Advised Term 1st Year

## **Exercise Science — Self-Designed**

Minimum required credits for the program: 52

### **Concentration - Self Designed Program**

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/2nd Year

## **Exercise Science — Sports Management/Minor in Business**

Minimum required credits for the program: 59

### **Concentration - Sports Management/Minor in Business**

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

- ACC 2121 - Financial Accounting Credits: 4  
Advised Term 2nd 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  
OR CHE-1023 Outline of General Chemistry
- BUS 1010 - Introduction to Business Credits: 3  
Advised Term 1st Year
- BUS 1210 - Introduction to Business Software Credits: 3  
Advised Term 1st Year
- BUS 2020 - Principles of Management Credits: 3  
Advised Term 3rd Year
- BUS 2230 - Principles of Marketing Credits: 3  
Advised Term 2nd Year
- PED 2330 - Design and Management of Health and Fitness Programs Credits: 3  
Advised Term 1st or 2nd Year
- PED 4010 - Legal and Ethical Issues in Sports Management Credits: 3  
Advised Term 3rd or 4th Year  
Plus one additional 3 credit Business course with the designation of ACC, BUS, or ECO that meets the Business Associate's Degree requirements.

## **Physical Education**

Minimum required credits for the program: 84

### **Requirements for the Bachelor of Science in Physical Education/Teacher Education**

- XSC 2050 - Human Gross Anatomy Credits: 4  
Advised Term 2nd Year
- XSC 2055 - Human Physiology Credits: 4  
Advised Term 2nd Year
- XSC 2111 - Care and Prevention of Injuries Credits: 4  
Advised Term 1st/2nd Year
- XSC 3060 - Physical Disabilities Credits: 4  
Advised Term 3rd 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
- BIO 1210 - Introduction to Biology Credits: 4  
OR
- CHE 1023 - Outline of General Chemistry Credits: 4  
Advised Term 1st Year
- BIO 2060 - Nutrition for Health and Fitness Credits: 3  
Advised Term 2nd Year
- PED 1020 - Physical Education Licensure Credits: 3  
Advised Term 1st Year
- PED 1030 - Rhythmic Fundamentals Credits: 3  
Advised Term 1st Year
- PED 2061 - Educational Sport I Credits: 3  
Advised Term 1st/2nd Year
- PED 2062 - Educational Sport II Credits: 3  
Advised Term 1st/2nd Year
- PED 2260 - Gymnastics Stunts and Tumbling Credits: 2  
Advised Term 1st Year
- PED 2820 - Sophomore Field Experience Credits: 2  
Advised Term 2nd Year
- PED 3070 - Methods of Teaching Elementary Physical Education Credits: 4  
Advised Term 3rd Year
- PED 3140 - Methods of Teaching Secondary Physical Education Credits: 4  
Advised Term 3rd Year
- PED 4830 - Physical Education Practicum Credits: 1 to 12  
Advised Term 4th Year
- PSY 1050 - Human Growth and Development Credits: 3  
Advised term 1st/2nd Year
- PSY 3050 - Child Development Credits: 3  
Advised Term 3rd Year
- PSY 3260 - Adolescent Development Credits: 3  
Advised Term 3rd 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

## **Core Requirements:**

- 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

## **Minor in Exercise Science**

- 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**

Co-director: Janet Bennion, Professor (Sociology and Anthropology)

Co-director: Mark Hilton, Associate Professor (Business)

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)  
Richard Moye, Professor (English)  
Daisy McCoy, Professor (Mathematics)  
David Plazek, Assistant Professor (Political Science)

## Program Mission Statement

Explorations 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.

## Common Program Goals

Students will:

- be encouraged to investigate the many options for majors
- explore the great branches of knowledge, thus tapping into some expected and unexpected interests
- be surrounded by like-minded students and faculty who care, help define and redefine interests, skills, and aspirations, and ultimately assist a student choose a major with confidence.

## Other Program Areas

### Explorations

This sample schedule for the first three semesters is designed to complete all General Education Unit requirements which are required of all students, and ensure that an Explorations student has the opportunity to sample from all 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  
ART-1010 Experiencing the Arts  
SSC-1030 Experiencing the Social Science  
Writing Course (based upon test placement)  
Mathematics course (based upon test placement)

Second Semester - 15 -16 credits

SCI-1030 The Life, Earth and Physical Sciences (one of four alternative versions)

Writing course (based upon test placement)

Mathematics/CIS course(s) (based upon test placement)

Arts choice course

Explorations choice (see list)

Third Semester - 16 credits

HUM-1030 Representing the World

Natural Sciences choice course

Humanities choice course

Social Science choice course

Explorations choice (see list)

Any student who may be planning on becoming a ATM, MAT, or NAT SCI major should take MAT-1020 (Intermediate Algebra) as it is a prerequisite for MAT-1410 (Pre-Calculus).

SCI-1030 (The Life, Earth, and Physical Sciences) has four alternative versions: Milestones in Science, Deep Impact, Science and Society, and Global Change.

Explorations Choice Courses

BUS-1010 Introduction to Business *for potential Business majors and Sports Management majors*

NMS-1015 Introduction to Digital Media *for potential Digital Media majors*

EDU-2210 Foundations of Education:Elementary and Special Education *for potential Education majors*

ENG-1310 Introduction to Literature or PHI-1010 Introduction to Philosophy *for potential English and Philosophy majors*

ENV-2060 Energy, Environment and Society or GEY-1111 Introduction to Geology or CHE-1031 General Chemistry I *for potential Environmental Science majors*

MUS-1030 Music Fundamentals or IDM-1015 Introduction to Digital Media or TVS-1010 Introduction to Media Communication *for potential Music Business and Industry majors*

PED-1020 Physical Education Licensure *for potential Physical Education majors*

XSC-2111 Care and Prevention of Injuries *for potential Pre-physical Therapy and Pre-Athletic Training majors*

ART-1140 Design *for potential Graphic Design, Visual Arts, 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-2070 Introduction to Plant Biology or BIO-2520 Introduction to Animal Biology *for potential Natural Science majors*

MRM-1080 Theory & Practice *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 or Global Studies majors*

EJA-1020 Communications Technology *for potential e-Journalism majors*

Any introductory programming course *for potential Computer Science majors.*

# Liberal Studies

Liberal Studies Coordinator: David Johnston, 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.

## 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

# **General Studies Program**

## **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**

### **General Education Core: 41-45 Credits**

Completion of General Education for Four-Year Programs: 41-45 Credits

### **Elective Courses: 17-21 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**

### **Liberal Studies**

## **Requirements for the Bachelor of Arts in Liberal Studies**

Minimum required credits for the program: 44 - 45

- 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.
- GEU Core courses may not be used for Liberal Studies.

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 (29 Credits)

- 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, MUS 4410, MUS 4810, THA 2840, THA 2845, THA 3160, THA 4210, or THA 4810).

### 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-1020 or PHI-1050).

### Mathematics and Computer Science

- 15 credits (must include at least nine credits at the 3000- or 4000-level) from CIS or MAT courses.

### Natural Science

- 12 credits (must include at least four credits at the 3000- or 4000-level) from ATM, BIO, CHE, ENV, GEY, or PHY course.
- 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).

## 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, Assistant Professor

Daisy McCoy, Professor

### Mathematics:

#### **B.A. Mathematics**

Pure Mathematics

Applied Mathematics

#### **Licensure in Secondary Education**

(See Secondary Education)

**Minor:** Mathematics

### Computing:

#### **B.S. Computing**

**Business Concentration**

**New Media Concentration**

**Atmospheric Sciences Concentration**

#### **A.S. in Computing**

# Program 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. Almost all institutions, agencies, and businesses now require analysts, auditors, computer programmers, consultants, managers, researchers, sales personnel, and statisticians with mathematical training.

Computer Science is one of the most challenging fields facing today's college students. Advanced computer technology affects all aspects of contemporary life, and there is a growing demand for competently trained, creative professionals who can offer computer expertise. Lyndon State's commitment to academic excellence focuses on the future, and the computing curriculum reflects this commitment. Students receive a thorough preparation in algorithms, logical thinking, software design and development, internet and emerging technologies, along with an understanding of computer organization, architecture, and networking.

Lyndon State students benefit from the individual attention of professors as well as the program's combination of practical and theoretical knowledge.

## **Common Program Goals**

Although a traditional discipline, the Mathematics Program has been in the forefront in responding to academic changes, particularly with regard to the use of technology. The relatively new Computing Program has also adapted as that field has changed, and changed rapidly.

Our department prepares students for numerous career opportunities. This goal is supplemented by a curriculum that ensures that each of our students graduate with both theoretical and applied knowledge of 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 ideas and as an aid in understanding the subject matter. The use of these tools also enables students to learn independently, an important asset in any future career. Finally, another mission of the department is to provide quality service to the other academic units of the College.

## **Program Assessment**

The department uses numerous techniques in order to assess that these program goals have been achieved. As the pool of graduates is manageable, we utilize a case study approach through surveys of graduates and subsequent follow up phone interviews with graduates and their employers.

In addition, for the Mathematics program, the department keeps track of graduate school acceptance rates and success rates of graduates on professional exams. Portfolios of secondary teaching candidates and their success rates in achieving licensure are used to ensure that the required outcomes have been met. For the Computing program, other professionals, besides graduates and their employers, provide added feedback in regard to the appropriate direction for curricular changes.

Beginning with the 2002-2003 school year, all majors are required to complete a portfolio that reflects successful completion of student outcomes.

## **Placement**

Computerized testing, to determine an appropriate first course in mathematics, is available to the student at no cost. Inquiries should be directed to the department.

## **Computer Science**

The department offers computer science course work leading to a Bachelor's Degree in Computing with a concentration in Business, a Bachelor's Degree in Computing with a concentration in New Media, a Bachelor's Degree in Computing with a concentration in Atmospheric Sciences, 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.

The college offers a number of computer labs with a variety of platforms and a wide range of software.

## **Associate of Science**

### **Computing - Associate of Science**

Minimum required credits for the program: 28

## Requirements for the Associate of Science in Computing

### Computer Science Courses: (22 Credits)

- CIS 1090 - Object Oriented Problem Solving 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
- 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

### Mathematics Courses: (3 Credits)

- MAT 2021 - Statistics Credits: 3  
OR
- MAT 3130 - Statistical Theory and Applications Credits: 3  
Advised Term 2nd Year

### English Course: (3 Credits)

- ENG 2060 - Technical Writing Credits: 3  
Advised Term 2nd Year

## **Bachelor of Arts**

### **Mathematics — Applied Mathematics**

Minimum required credits for the program: 49

## Requirements for the Bachelor of Arts in Mathematics - Applied Mathematics

### Core Courses (35 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 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 3730 - Topics in Differential Equations Credits: 3  
Advised Term 3rd/4th Year
- MAT 4040 - Complex Analysis Credits: 3  
Advised Term 3rd/4th Year
- MAT 4120 - Numerical Analysis Credits: 3  
Advised Term 3rd/4th Year
- MAT 4990 - Portfolio Credits: 1  
Advised Term 4th Year

## Physics Track

Minimum credits required for the program: 59

- PHY 2010 - Introduction to Electricity and Electronics Credits: 4  
Advised Term 1st Year
- PHY 2061 - Classic Physics I Credits: 4  
Advised Term 1st Year
- PHY 2062 - Classic Physics II Credits: 4  
Advised Term 2nd Year
- PHY 2063 - Classic Physics III Credits: 4  
Advised Term 2nd Year
- PHY 3120 - Modern Physics Credits: 4  
Advised Term 3rd Year
- PHY 4110 - Physics Modules Credits: 1 to 4  
Advised Term 3rd Year
- PHY 4530 - Research in Physics Credits: 3 to 6  
Advised Term 4th Year

## Atmospheric Sciences Track

Minimum credits required for the program: 49

- ATM 2020 - Atmospheric Thermodynamics Credits: 3  
Advised Term 2nd Year
- ATM 3140 - Physical Meteorology Credits: 3  
Advised Term 2nd Year

- ATM 3321 - Atmospheric Dynamics I Credits: 3  
Advised Term 3rd Year
- ATM 3322 - Atmospheric Dynamics II Credits: 3  
Advised Term 3rd Year
- ATM 4610 - Mathematical Studies in Meteorology I Credits: 1  
Advised Term 4th Year
- ATM 4620 - Mathematical Studies in Meteorology II Credits: 1  
Advised Term 4th Year

## Mathematics — Pure Mathematics

Minimum required credits for the program: 44

### Requirements for the Bachelor of Arts in Mathematics - Pure Mathematics

#### Core Courses (35 Credits):

- CIS Programming Language - Credits: 3  
Advised Term 1st Year
- MAT 1531 - Calculus I Credits: 4  
Advised Term 1st Year
- MAT 2210 - Sets, Logic, and Proof Credits: 3  
Advised Term 2nd Year
- MAT 2532 - Calculus II Credits: 4  
Advised Term 1st 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 4060 - Real Analysis Credits: 3  
Advised Term 3rd/4th Year
- MAT 4130 - Abstract Algebra 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

- Physics (Calculus based)
- Computer Science (CIS 3050 or above)
- MAT 3010 - History of Mathematics Credits: 3  
This elective is required for Licensure in Secondary Education

- MAT 3730 - Topics in Differential Equations Credits: 3
- MAT 3740 - Topics in Number Theory Credits: 3
- MAT 4040 - Complex Analysis Credits: 3
- MAT 4120 - Numerical Analysis Credits: 3
- MAT 4140 - Geometry Credits: 3  
This elective is required for Licensure in Secondary Education
- MAT 4710 - Special Studies in Math Credits: 1 to 3

## Note:

Majors will 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.

## Bachelor of Science

### Computing

Minimum credits required for the program: 51 to 53

## Requirements for the Bachelor of Science in Computing

### Computing/Mathematics Core (34 Credits):

- CIS 1090 - Object Oriented Problem Solving Credits: 3  
Advised Term 1st Year
- CIS 2271 - Java Programming Credits: 3  
Advised Term 1st Year
- CIS 2330 - Database Systems Credits: 3  
Advised Term 1st or 2nd Year
- CIS 2032 - C++ Programming Credits: 3  
OR
- CIS 2142 - Advanced Visual Basic Credits: 3  
Advised Term 2nd Year
- CIS 3050 - Algorithms and Data Structures Credits: 3  
Advised Term 2nd Year
- CIS 2141 - Programming Internet and Web Applications Part I Credits: 3  
Advised Term 2nd/3rd Year
- MAT 2021 - Statistics Credits: 3  
Advised Term 2nd/3rd Year
- CIS 3110 - Networking Credits: 3  
Advised Term 3rd Year
- CIS 4810 - Internship in Computer Science Credits: 3  
Advised Term 3rd/4th Year
- CIS 4120 - Systems Analysis and Design Credits: 3  
Advised Term 4th Year
- CIS 4040 - Computer Security Credits: 3

Advised Term 4th Year

- CIS 4990 - Portfolio Credits: 1  
Advised Term 4th Year

## Business Concentration: (20 Credits)

- ACC 2121 - Financial Accounting Credits: 4  
Advised Term 1st/2nd Year
- BUS 2020 - Principles of Management Credits: 3  
Advised Term 1st/2nd Year
- ACC 2122 - Managerial Accounting Credits: 4  
Advised Term 2nd Year
- BUS 2230 - Principles of Marketing Credits: 3  
OR BUS-2235 Service Marketing  
Advised Term 1st/2nd Year
- BUS 3150 - Production/Operations Management Credits: 3  
Advised Term 3rd Year
- BUS 3450 - Information Technology Credits: 3  
Advised Term 3rd Year

## New Media Concentration: (18 Credits)

- NMS 1015 - Introduction to New Media Credits: 3  
Advised Term 1st Year
- NMS 2050 - Web Design and Digital Imaging Credits: 3  
Advised Term 1st/2nd Year
- NMS 2010 - Motion Graphics Credits: 3  
Advised Term 2nd Year
- CIS 3120 - Programming Internet and Web Applications Part II Credits: 3  
Advised Term 3rd Year
- NMS 3155 - Advanced Web Design Credits: 3  
Advised Term 3rd/4th Year
- NMS 3030 - e-Commerce Fundamentals Credits: 3  
OR
- CIS 4060 - Advanced Web Tools Credits: 3  
Advised Term 3rd/4th Year

## Atmospheric Sciences Concentration: (19 Credits)

- MAT 1531 - Calculus I Credits: 4  
Advised Term 1st/2nd Year
- MAT 2532 - Calculus II Credits: 4  
Advised Term 1st/2nd 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 2nd Year

- ATM 1212L - Survey of Meteorology II Lab Credits: 1  
Advised Term 2nd Year
- ATM 2060 - Survey of Climate Science and Statistics Credits: 4  
Advised Term 3rd Year

## Minor

### Mathematics Minor

Minimum required credits for the minor: 21

#### Requirements for the Minor in Mathematics

- 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, Assistant Professor  
John DeLeo, Professor  
Catherine DeLeo, Professor  
Jonathan Norling, Assistant Professor

#### **B.S. Mountain Recreation Management:**

Ski Resort and Snowsport Management  
Natural Resource GIS Mapping and Planning  
Adventure Leadership

## Core Values

The Recreation program was created in 1972 by a group of public and private sector executives to prepare professionals for careers in park management and resort planning and development. Core values of preparing students with great attitudes and strong work ethics to steward socially and environmentally-responsible endeavors, remain true today.

## Program Mission Statement

To prepare leaders competent in recreation resource and user management in the private and public sectors, who are:

- responsible and confident
- independent and logical thinkers

- socially and environmentally sensitive

## Program Goals

The program goals of the Mountain Recreation Management Department bond the three concentrations of Adventure Leadership, Natural Resource GIS Mapping and Planning, and Ski Resort and Snowsport Management across a core curriculum. Students who graduate from the program will have:

- strong written and verbal communication skills
- an understanding of leisure needs and behaviors of diverse populations
- an environmental awareness and appreciation
- sound resource management skills
- an ability to think logically and critically
- knowledge through applied experiences and problem solving
- individual, group, and organizational leadership skills
- the ability to design, conduct, and analyze research
- a commitment to community service
- an appreciation for the importance of a sound work ethic

## Course Requirements

The Department offers three concentrations in the baccalaureate program: Ski Resort and Snowsport Management, Natural Resource GIS Mapping and Planning, and Adventure Leadership. All three concentrations require 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 Geographic Information System (G.I.S.) and Global Positioning System (G.P.S.) mapping skills. As a part of the core, students participate in a common outdoor education practicum, as well as sophomore field practicum, upperclass research projects, and senior internship experiences specific to their concentration. In addition to core requirements, each concentration includes a sequence of specialized courses.

## Concentration Requirements and Career Opportunities

Ski Resort and Snowsport Management students engage in more than 360 hours of sophomore field experiences at various resorts throughout Vermont and New Hampshire. They may choose to specialize in Mountain Operations, obtaining a Vermont Lift Attendant Level I qualification, or in Mountain Services, focusing on Service Marketing and events. An additional minimum of 450 hours is spent in a senior internship at a resort matching the student's career interests. Introductory courses orient students to resort operations and functions. Ski resort seminars focus on industry trends and issues. Students may choose to graduate with an additional Associate of Science degree in applied GIS/GPS or Business Administration. Graduates find careers in marketing and sales, administration, and a variety of mountain operations.

The Natural Resource GIS Mapping and Planning 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 and law, recreation-related environmental issues, the impact and management of human activity on recreation resource areas, and the use of G.I.S. and G.P.S. Graduates of the natural resource GIS Mapping concentration obtain positions as recreation planners and managers in natural resource agencies and organizations. A Minor in Natural Science is strongly recommended.

The Adventure Leadership concentration prepares students for career opportunities as outdoor instructors, ski and climbing guides, expedition leaders, or program directors and administrators in wilderness therapy, adventure-based counseling, 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 have gone to Newfoundland (backcountry skiing), Baja (sea kayaking), Utah (canyoneering, mountain biking, backcountry skiing), Ecuador, Africa, Mexico (mountaineering). The Green Mountains of Vermont and White Mountains of New Hampshire serve as natural learning laboratories.

## Student Outcomes for the Major

Upon graduation, recreation majors will be able to:

1. plan, implement, and evaluate a program to meet diverse leisure needs served by the public and private sectors of the recreation industry;
2. apply appropriate use of current technology for recreation field related problems;
3. conduct research consistent with the scientific methods to objectively solve problems within the recreation profession; and
4. identify strategies which lead to sustainable environmental practices.

## Minor Programs

The Department offers minor programs in Applied Group Leadership, and Foundations of Social Research. The minor programs draw students from a range of academic departments including Psychology, Education, and Business. We also offer certificates of completion for ski lift functions and maintenance.

Recreation students have numerous opportunities to add-value to their degrees and job opportunities through specialized course choices, including those in such areas as:

Minors/Associates: 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), Mountain Operations (LSC), Mountain Services (LSC), Geographic Information Systems (ESRI)

Experiential and service-learning embedded in course offerings

Expeditionary learning opportunities to improve hard skills, enhance cultural understandings, explore career options, and serve local/indigenous/natural communities

Succession Planning/Outreach for practicing professionals:

Summer Resort Industry Leadership Institute for mid-senior level managers

[www.lyndonstate.edu/RiLi](http://www.lyndonstate.edu/RiLi)

## Bachelor of Science

### Mountain Recreation Management - Ski Resort and Snowsport Management

Minimum required credits for the program: 57

Mountain Recreation majors may not use MRM-1010 or MRM-1080 to satisfy their GEU Divisional Choice requirement of 3 credits in the Social Sciences. MAT 2021, Statistics, is strongly recommended for all Mountain Recreation majors to complete the GEU Mathematics requirement.

# Requirements for the Ski Resort and Snowsport Management Concentration

## Core Requirements: (43 - 49 Credits)

- MRM 1010 - Leisure and Society Credits: 3  
Advised Term - Spring 1st Year
- MRM 1020 - Problem Solving Techniques Credits: 3  
Advised Term - Spring 1st Year
- MRM 1080 - Leadership Theory and Practice Credits: 3  
Advised Term - Fall/Spring 1st Year
- MRM 1810 - Outdoor Education/Recreation Practicum Credits: 3  
Advised Term - Spring 1st Year
- MRM 2120 - Recreation Resource Impacts Credits: 4  
Advised Term - Fall 2nd Year
- MRM 3020 - Program Planning and Delivery Credits: 3  
Advised Term - Fall 3rd Year
- MRM 3110 - Public Relations Credits: 3  
Advised Term - Spring 3rd Year
- MRM 3820 - Innovation and Design Credits: 3  
Advised Term - 3rd Year
- MRM 4020 - Recreation Management Credits: 4  
Advised Term - Spring 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 Year
- MRM 4820 - Management Internship Credits: 9 to 15  
Advised Term - 4th Year

## Ski Resort Management Concentration: (14 Credits)

- MRM 1140 - Introduction to Ski Resort Management Credits: 3  
Advised Term - Fall 1st Year
- MRM 2841 - Field Practicum in Ski Resort Management Credits: 4  
Advised Term - Fall 2nd Year
- MRM 2842 - Field Practicum in Ski Resort Management Credits: 4  
Advised Term - Spring 2nd Year
- MRM 3050 - Risk Management in the Resort Industry Credits: 3  
Advised Term - Spring 3rd Year

## **Mountain Recreation Management — Adventure Leadership**

Minimum required credits for the program: 68

Mountain Recreation majors may not use MRM-1010 or MRM-1080 to satisfy their GEU Divisional Choice requirement of 3 credits in the Social Sciences. MAT 2021, Statistics, is strongly recommended for all Mountain Recreation majors to complete the GEU Mathematics requirement.



# Requirements for the Adventure Leadership Concentration

## Core Requirements: (43 - 49 Credits)

- MRM 1010 - Leisure and Society Credits: 3  
Advised Term - Spring 1st Year
- MRM 1020 - Problem Solving Techniques Credits: 3  
Advised Term - Spring 1st Year
- MRM 1080 - Leadership Theory and Practice Credits: 3  
Advised Term - Fall/Spring 1st Year
- MRM 1810 - Outdoor Education/Recreation Practicum Credits: 3  
Advised Term - Spring 1st Year
- MRM 2120 - Recreation Resource Impacts Credits: 4  
Advised Term - Fall 2nd Year
- MRM 3020 - Program Planning and Delivery Credits: 3  
Advised Term - Fall 3rd Year
- MRM 3110 - Public Relations Credits: 3  
Advised Term - Spring 3rd Year
- MRM 3820 - Innovation and Design Credits: 3  
Advised Term - 3rd Year
- MRM 4020 - Recreation Management Credits: 4  
Advised Term - Spring 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 Year
- MRM 4820 - Management Internship Credits: 9 to 15  
Advised Term - 4th Year

## Adventure Leadership: (25 Credits)

Adventure Leadership students are required to take the below 25 credits, but can elect to take additional skills classes as electives as part of their adventure leadership education. One Expedition is required = 4 credits, although a student can elect to take more than one. Expeditions are scheduled in advance so that the student can choose either multi-sport, backcountry ski/ride, mountaineering, and water-based on a rotating cycle).

- MRM 1110 - Introduction to Adventure Programming Credits: 3  
Advised Term - Fall 1st Year
- MRM 1120 - Outdoor Adventure Skills Credits: 1  
Take with OER 1132 for a total for 8 Credits  
Advised Term - 1st and 2nd Year
- MRM 1132 - Outdoor Adventure Skills Credits: 1 to 2  
Take with OER 1120 for a total of 8 credits - Advised Term - 1st through 2nd Year
- MRM 2060 - Wilderness First Responder Procedures Credits: 3  
Advised Term - Fall 2nd Year
- MRM 2850 - Adventure Programming Leadership Skills Credits: 4  
Advised Term - Fall 2nd Year
- MRM 3060 - Risk Management in Adventure Programming Credits: 3  
Advised Term - Spring 3rd Year
- MRM 3140 - Outdoor Expedition Credits: 1 to 4

(Students must participate in an outdoor expedition for a total of 4 credits).  
Advised Term - 3rd or 4th Year

## **Mountain Recreation Management — Natural Resource GIS Mapping and Planning**

Minimum required credits for the program: 56

Mountain Recreation majors may not use MRM-1010 or MRM-1080 to satisfy their GEU Divisional Choice requirement of 3 credits in the Social Sciences. MAT 2021, Statistics, is strongly recommended for all Mountain Recreation majors to complete the GEU Mathematics requirement.

### **Requirements for the Natural Resource GIS Mapping and Planning Concentration**

#### **Core Requirements: (43 - 49 Credits)**

- MRM 1010 - Leisure and Society Credits: 3  
Advised Term - Spring 1st Year
- MRM 1020 - Problem Solving Techniques Credits: 3  
Advised Term - Spring 1st Year
- MRM 1080 - Leadership Theory and Practice Credits: 3  
Advised Term - Fall/Spring 1st Year
- MRM 1810 - Outdoor Education/Recreation Practicum Credits: 3  
Advised Term - Spring 1st Year
- MRM 2120 - Recreation Resource Impacts Credits: 4  
Advised Term - Fall 2nd Year
- MRM 3020 - Program Planning and Delivery Credits: 3  
Advised Term - Fall 3rd Year
- MRM 3110 - Public Relations Credits: 3  
Advised Term - Spring 3rd Year
- MRM 3820 - Innovation and Design Credits: 3  
Advised Term - 3rd Year
- MRM 4020 - Recreation Management Credits: 4  
Advised Term - Spring 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 Year
- MRM 4820 - Management Internship Credits: 9 to 15  
Advised Term - 4th Year

#### **Requirements for the Natural Resource GIS Mapping and Planning Concentration: (13 Credits)**

- GIS 1050 - Introduction to Fundamentals of Geographic Information Systems (GIS) and Global Positioning Systems (GPS) Credits: 3

OR

- MRM 1410 - Introduction to Natural Resource GIS Mapping and Planning Credits: 3  
Advised Term - Fall 1st Year
- MRM 2830 - Field Practicum in Natural Resource GIS Mapping and Planning Credits: 4  
Advised Term - Fall 2nd Year
- MRM 3080 - Environmental Policy, Politics and the Law Credits: 3  
Advised Term - 3rd Year
- MRM 4710 - Special Topics in Recreation Industry Credits: 3  
Advised Term - 4th Year

## Music and Performing Arts

Joseph Gittleman, Instructor

Britt Moore, Instructor

Elizabeth Norris, Associate Professor (Music)

### **B.S. Music Business and Industry**

**Minors:** Music, Theater

## Program Mission Statement

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

## Common 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 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. This philosophy has helped develop our student learning outcomes.

## Program Assessment

Program Assessment will occur through a variety of observable elements imbedded in each degree program. As the learning outcomes are assessed, the composite data will be in a central assessment file which will be backed up by an electronic format. The student will present an overview of his/her works in a jury setting near the end of the spring semester of both their sophomore and senior years. The jury of faculty will evaluate each student's success and will track the aggregate data for use in assessing and revising the major.

Through completion of the Performing Arts Management Degree Program, students will:

- Demonstrate an understanding of the leadership and collaborative demands inherent in the managerial world by designing and completing a shared project with other students in the major. The project will be housed in the core course, "Event Management & Promotion."

- Create a business plan for an actual or proposed music company, booking agency, live performance venue, or theatrical company depending upon the concentration pursued. The plan will synthesize the principles presented in the core courses and will be housed in one of the following courses: Artist Management & Development, Music Venue Management, or Theatre Operations Management.
- Gain career-related experience through the successful completion of the required internship.
- Build a knowledge base in business management by successfully completing all required courses in both the core and the selected concentration.

Through completion of the Music Business & Industry Program, students will:

- Demonstrate an understanding of the collaborative demands of the Music Industry by working on cooperative projects with other students in the major.
- Gain career-related experience through the successful completion of the required internship.
- Build a knowledge base in the major divisions of music, business, production and graphic arts by successfully completing all of the required courses in the core and the selected concentration.

## Acceptance into the Music & Performing Arts Bachelors Degree Programs

At the beginning of the sophomore year, students planning to major in Music Business Industry (MBI) and/or Arts Management (ARM) must formally request acceptance into the program. Requirements for acceptance include successful completion of the first year of academic courses with an academic standing of “Good” or better, as defined by college policy, completion of MBI 2360 Introduction to the Music Industry with a grade of C- or higher, and an endorsement from at least one full-time faculty in the department.

### Bachelor of Science

### Arts Management

Minimum required credits for the program (core plus one concentration): 54 Credits

### Requirements for the Bachelor of Science in Arts Management

#### Arts Management Core (31 Credits):

- ACC 2121 - Financial Accounting Credits: 4
- BUS 1010 - Introduction to Business Credits: 3
- BUS 1210 - Introduction to Business Software Credits: 3
- BUS 2020 - Principles of Management Credits: 3
- BUS 2230 - Principles of Marketing Credits: 3
- BUS 2250 - Business Ethics Credits: 3
- BUS 2265 - Fiscal Management Credits: 3
- MBI 3310 - Event Management and Promotion Credits: 3
- ENG 3080 - Strategic Media Communications Credits: 3
- EJA 1010 - Introduction to Media Communication Credits: 3

## Artist Management Concentration (24 Credits):

- MBI 2360 - Introduction to the Music Industry Credits: 3
- MUS 3055 - Rock and Roll: Form and Style Credits: 4
- MBI 2420 - Artist Management and Development Credits: 3
- MBI 3810 - Music Industry Production Co-Op Credits: 3
- MBI 3210 - Music Publishing Credits: 3
- MBI 4220 - Entrepreneurship in the Music Industry Credits: 3
- MUS 4410 - Collaborative Creativity in Music Credits: .5  
Take a total of 2 credits
- MBI 4810 - Music and Performing Arts Internship Credits: 3-6  
3 credits required

## Venue Management Concentration (23 Credits):

- BUS 3131 - Business Law I Credits: 3
- BUS 3250 - Organizational Behavior in Business Credits: 3
- MBI 2360 - Introduction to the Music Industry Credits: 3
- MBI 3330 - Music Venue Management Credits: 3
- MBI 3810 - Music Industry Production Co-Op Credits: 3
- MBI 4220 - Entrepreneurship in the Music Industry Credits: 3
- MUS 4410 - Collaborative Creativity in Music Credits: .5  
Take a total of 2 credits
- MBI 4810 - Music and Performing Arts Internship Credits: 3-6  
3 credits required

## Theatre Operations Management Concentration (23 Credits):

- BUS 3131 - Business Law I Credits: 3
- THA 1041 - Introduction to Theatre Credits: 3
- THA 2080 - Theatre Arts in The Dramatic Format Credits: 3
- THA 2840 - Theatre Performance Practicum Credits: 1-3  
2 credits may count for the program
- THA 2845 - Theatre Production: Technical Crew Credits: 1-3
- THA 3160 - House and Box Office Management Credits: 3
- THA 4210 - Theatre Operations Management Techniques Credits: 3
- THA 4810 - Theatre Arts Internship Credits: 3-6  
3 credits required

## Music Business and Industry

Minimum required credits for the program (core plus one concentration): 45 Credits

## Music Business and Industry Core (29 Credits):

- BUS 1010 - Introduction to Business Credits: 3

- BUS 3131 - Business Law I Credits: 3  
OR
- ENG 4020 - Law of the Media Credits: 3
- NMS 1015 - Introduction to New Media Credits: 3
- MUS 1030 - Music Fundamentals Credits: 3
- MBI 2360 - Introduction to the Music Industry Credits: 3
- MUS 3350 - Music of the Americas Credits: 3
- MUS 4410 - Collaborative Creativity in Music Credits: .5  
(4 Semesters)
- MUS 4810 - Music Industry Internship Credits: 1 to 6
- EJA 1010 - Introduction to Media Communication Credits: 3

### Music Concentration (16 Credits):

- MUS 1041 - Class Piano I Credits: 3  
OR
- MUS 1042 - Class Piano II Credits: 3  
OR MUS-4710 Independent Study: Piano
- MUS 1231 - Music Theory I Credits: 3
- MUS 2220 - Music Ensembles Credits: 1  
(3 Semesters)
- MUS 3055 - Rock and Roll: Form and Style Credits: 4
- MUS 3330 - Worlds of Music Credits: 3

### Business Concentration (16 Credits):

- ACC 2121 - Financial Accounting Credits: 4
- BUS 1210 - Introduction to Business Software Credits: 3
- BUS 2020 - Principles of Management Credits: 3
- BUS 2230 - Principles of Marketing Credits: 3
- BUS 3030 - Customer Satisfaction and Retention Credits: 3  
OR
- BUS 3240 - International Business Credits: 3

### New Media Concentration (16 Credits):

- ART 1140 - Design Credits: 3
- ART 2020 - Color Theory Credits: 3
- CIS 1060 - Introduction to Databases Credits: 1
- GDS 1025 - Typography for Design Credits: 3
- GDS 2025 - Photographic Manipulation Software for Design Credits: 3
- NMS 2050 - Web Design and Digital Imaging Credits: 3

### Production Concentration (16 Credits):

PHY 2010 Introduction to Electricity and Electronics is recommended as the GEU Natural Science choice to prepare for this concentration

- MBI 1110 - Radio Live Credits: 1
- MBI 2170 - Introduction to Audio Engineering Credits: 3
- MBI 2180 - Studio Production and Maintenance Credits: 3
- MBI 3170 - Recording and Post-Production Techniques Credits: 3
- MBI 3810 - Music Industry Production Co-Op Credits: 3
- MBI 4040 - Auditory Perception and Psychoacoustics Credits: 3

## Minor

### Music Minor

Minimum required credits for the minor: 18 credits

#### Requirements for the Minor in Music

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

#### Core Courses (12 credits)

- THA 1040 - Interpreting Contemporary Dramatic Literature Credits: 3
- THA 1041 - Introduction to Theatre Credits: 3
- THA 2121 - Acting I Credits: 3
- THA 2845 - Theatre Production: Technical Crew Credits: 1-3

#### Elective Credits (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 Practicum Credits: 1-3
- 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

Theresa Conant, Laboratory Technician

Alan Giese, Assistant Professor (Biology)

Alison S. Lathrop, Associate Professor (Geology)

Benjamin Luce, Assistant Professor (Physics)

**B.S. Environmental Science**

**B.S. Natural Sciences**

**B.S. Sustainability Studies**

**Licensure in Secondary Education (See Secondary Education)**

**Minors:** Biology, Chemistry, Geology, Physics

**Pre-Health Professional Curricula**

**Pre-Nursing Curricula**

## Program Mission Statement

The Department of Natural Sciences serves the college community by offering general courses that introduce non-science majors to the various areas of scientific knowledge and endeavors, and by providing majors with the foundation of knowledge and experience they need to pursue careers or further education in the natural sciences.

## Program Goals

The Department of Natural Sciences offers programs which lead to a B.S. with majors in Environmental Science, Natural Sciences or Natural Sciences-Secondary Education, and a Master of Science for Teachers (MST). The goals of the department are to:

- prepare students for careers in both the physical and the biological aspects of environmental science. In particular this means our graduates must be competent in all aspects of laboratory work and safety and that they have a broad-based education in the sciences.
- provide training for secondary school science teachers. In particular this means that students who choose this path must be provided a curriculum that allows them to meet the state requirements for licensure.
- prepare students for careers in the earth, physical or life sciences by offering a broad spectrum of courses that will give them the basic background for further graduate study. In particular this means that we must provide specialized upper-division course work in addition to a broad-based education in the sciences.
- prepare students for careers demanding both scientific and cultural literacy such as consultants to government agencies and non-governmental organizations involved in the generation and implementation of sustainability initiatives. In particular, this means that we must provide a capstone experience wherein our graduates will have demonstrated their ability to complete multidisciplinary, applied projects.



# Program Assessment

As is evident from our goals, preparation of our majors for careers in the environmental sciences, natural sciences, science education, and graduate school is our objective. In order to evaluate the success we have in meeting these objectives, continued contact with our graduates is essential. This is accomplished both informally and formally. A formal survey of graduates is taken on a regular basis, and informal feedback is collected on an on-going basis.

## Requirements for the Science Majors

The requirements set forth in each of the majors are minimal criteria. In general, majors should pursue as academically rigorous a program as their capabilities dictate. Priority in scheduling should be given to required courses in a major.

Students in the Secondary Science Education major must achieve eligibility for practice teaching (see requirements).

All science majors are strongly recommended to take a computer science course.

## Residency Requirement for Science Education Students

Students must ordinarily fulfill a residency requirement of one year of full-time study within the Natural Sciences department, under the advisorship of the Science Education Coordinator, before enrolling in Student Teaching, EDU-4040. Candidates demonstrating acceptable preparation in science may request that the requirement be waived.

## 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

### Environmental Science

Minimum required credits for the program: 67

### Requirements for the Bachelor of Science in Environmental Science

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 Requirements: 47 Credits

- SCI 1000 - First-Year Seminar in Science and Sustainability Credits: 1  
Advised Term - 1st Year
- BIO 2070 - Introduction to Plant Biology Credits: 4

- Advised Term - 1st Year
- BIO 2520 - Introduction to Animal Biology Credits: 4  
Advised Term - 1st Year
  - BIO 4040 - Ecology Credits: 4  
Advised Term - 2nd Year
  - CHE 1031 - General Chemistry I Credits: 4  
Advised Term - 1st Year
  - CHE 1032 - General Chemistry II Credits: 4  
Advised Term - 1st Year
  - ENV 2060 - Energy, Environment, and Society Credits: 4  
Advised Term - 2nd Year
  - ENV 3140 - OSHA Safety Course Credits: 2
  - GEY 1111 - Introduction to Geology I Credits: 4  
Advised Term - 2nd Year
  - GEY 2112 - Introduction to Geology II Credits: 4  
Advised Term - 2nd Year
  - GIS 1050 - Introduction to Fundamentals of Geographic Information Systems (GIS) and Global Positioning Systems (GPS) Credits: 3
  - PHY 2031 - Fundamental Physics I Credits: 4  
Advised Term - 2nd Year
  - PHY 2032 - Fundamental Physics II Credits: 4  
Advised Term - 2nd Year
  - SCI 4610 - Senior Seminar Credits: 1  
Advised Term - 4th Year

## Additional Courses: 20 Credits

Sixteen credits from the following course lists plus four credits from any 3000 - 4000 level science course. Sixteen credits of the total twenty must be from lab courses:

## 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 4310 - Sustainable Food Systems 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 3110 - Environmental Pollution Credits: 4
- GEY 3035 - Aqueous Geochemistry Credits: 4
- GEY 3040 - Mineral Resources Credits: 4

- GEY 3110 - Hydrogeology Credits: 4
- GEY 3113 - Geology III 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
- SCI 4810 - Internship in Environmental Science Credits: 3 to 4
- 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.

## 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 4310 - Sustainable Food Systems Credits: 4
- BIO 4720 - Seminar in Conservation Biology Credits: 4
- CHE 3010 - Biochemistry Credits: 4
- ENV 2040 - Introduction to Environmental Restoration Credits: 4
- GEY 3040 - Mineral Resources Credits: 4
- GEY 3110 - Hydrogeology Credits: 4
- GEY 3113 - Geology III 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
- MRM 3080 - Environmental Policy, Politics and the Law Credits: 3  
\*Does not count as an upper level course; may be taken in place of a 1000-2000 level course.
- SCI 4810 - Internship in Environmental Science Credits: 3 to 4
- 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.

## Natural Science

Minimum required credits for the program: 66

## Requirements for the Bachelor of Science in Natural Science

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

**Core Requirements: 38 Credits**

- SCI 1000 - First-Year Seminar in Science and Sustainability Credits: 1
  - BIO 2070 - Introduction to Plant Biology Credits: 4
  - BIO 2520 - Introduction to Animal Biology 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.

## Sustainability Studies

Minimum required credits for the program: 74 - 75

## Requirements for the Bachelor of Science in Sustainability Studies

All students are required to take SCI-1030 - Global Change as part of their GEU program. Also, 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.

Highly recommended electives for this program as BIO 4040 (Ecology) for 4 credits, and MRM 1080 (Leadership theory and Practice) for 3 credits.

## Core Science Requirements: (42 Credits)

- SCI 1000 - First-Year Seminar in Science and Sustainability Credits: 1
- BIO 2070 - Introduction to Plant Biology Credits: 4
- BIO 2520 - Introduction to Animal Biology Credits: 4
- BIO 4050 - Watershed Ecology Credits: 4
- BIO 4310 - Sustainable Food Systems Credits: 4
- CHE 2020 - Introduction to Environmental Chemistry Credits: 4
- 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 3110 - Hydrogeology Credits: 4
- PHY 2025 - Physics for the Environment Credits: 4
- SCI 4610 - Senior Seminar Credits: 1

## A Minimum of One Course From the Following: (4 Credits)

- BIO 3020 - Field Zoology Credits: 4
- BIO 3330 - Field Botany and Dendrology Credits: 4
- BIO 4720 - Seminar in Conservation Biology Credits: 4

### A Minimum of One Course From the Following: (3 Credits)

- SCI 4810 - Internship in Environmental Science Credits: 3 to 4
- SCI 4900 - Research in Science Credits: 1 to 3

### Interdisciplinary Requirements: (12 credits)

#### Take:

- ECO 2020 - Macroeconomics Credits: 3
- ECO 2030 - Microeconomics Credits: 3
- GIS 1050 - Introduction to Fundamentals of Geographic Information Systems (GIS) and Global Positioning Systems (GPS) Credits: 3
- PHI 2050 - Environmental Philosophy Credits: 3

### Social Science (choose one):

- ANT 3050 - Culture, Ecology, and Health Credits: 3
- HIS 1020 - Comparative Civilization Credits: 3
- HIS 2330 - Traditional Asia Credits: 3

### Political Science (choose one):

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

### Communication (choose one):

- ENG 1080 - Expository Speaking Credits: 3
- ENG 2020 - Understanding the Writing Process Credits: 3
- ENG 2480 - Survey of Literary Non-Fiction Credits: 3
- ENG 3010 - Advanced Composition and Rhetoric Credits: 3

## Minor

### Biology Minor

Minimum required credits for the minor: 20

## Requirements for the Minor in Biology

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

## Chemistry Minor

Minimum required credits for the minor: 20

## Requirements for the Minor in Chemistry

- CHE 1031 - General Chemistry I Credits: 4
- CHE 1032 - General Chemistry II Credits: 4
- CHE 3050 - Environmental Chemistry Credits: 4
- CHE 3111 - Organic Chemistry I Credits: 4
- CHE 3112 - Organic Chemistry II Credits: 4
- CHE 4710 - Chemistry Modules Credits: 1 to 4  
(may be substituted for one of the above courses)

## Geology Minor

Minimum required credits for the minor: 20

## Requirements for the Minor in Geology

- 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 in Physics - Calculus-Based Track

- 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 Physics Minor - Non-Calculus Track**

- 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 2070 - Introduction to Plant Biology Credits: 4
- BIO 2520 - Introduction to Animal Biology 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  
Ronald Rossi, Professor  
Margaret Sherrer, Assistant Professor  
Patricia Shine, Associate Professor  
Meri Stiles, Assistant Professor  
Lori Werdenschlag, Professor

**A.S. Human Services**

**B.A. Psychology**

**B.S. Human Services**

**Minor:** Psychology

**Minor:** Human Services

## Program 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/or continued study at the graduate level.

## Program Goals

The Psychology and Human Services programs share similar goals – with slightly different emphases. Both programs provide students with a solid foundation in psychological and developmental theory. Students in both programs also complete a field work experience and a senior capstone paper.

**B.A. in Psychology:** Prepares students for entrance into graduate psychology programs. Specific emphases are placed on providing grounding in current theory as well as the development of competency in research. Students complete a year-long research project.

**B.S. in Human Services:** Prepares students for entry-level human service positions and entrance into social work and counseling graduate programs. Specific emphasis is placed on experience. Students complete a minimum 300-hour internship.

## Unique Program Features

The Lyndon Psychology Department differs from many other psychology programs in that we offer two degrees which are integrated and share a common curriculum. Both programs emphasize the following:

☐ *Strong foundation in theory.* Students become well versed in the variety of psychological theories that help to explain human behavior in the social environment.

● ☐☐☐☐☐☐ *Development of analytic skills.* Students are taught to analyze and interpret what they learn and to apply these skills to all areas of practice.

● ☐☐☐☐☐☐ *Development of problem-solving skills.* Students “practice” what they’ve learned and apply this knowledge to “real life” problems that arise in the field.

● ☐☐☐☐☐☐ *Strong foundation in ethics.* Students learn about the ethical and legal constructs that drive the fields of psychology and human services.

● ☐☐☐☐☐☐ *Professional competence.* Students learn what it means to be a “professional.”



- *Personal growth and self-care.* Students learn about themselves, their strengths and their areas for continued growth. They also learn about the critical need to engage in self-care in fields as personally challenging as psychology and human services.
- *A systems perspective.* Students learn how the larger society impacts their work in these fields. 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.

## Program Assessment

The Psychology Department assesses its program goals 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. Psychology faculty participate annually at national conferences for human services, social work, and the teaching of psychology. Participation at such conferences allows faculty to stay informed about national standards and changes in respective fields. Our faculty are also involved in fieldwork, research, private practice, and community service, all of which provide insights into the relation between community needs and our program.

## Special Requirements for 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 2.5 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.

## The Programs

Students choose one of the following areas:

- I. The Psychology program is the recommended preparation for graduate study in psychology;
- II. The Human Services program is directed toward entry into the human services field, or graduate work in counseling or social work.

## Double Major

Students may obtain a double major in Psychology and Human Services by completing the core requirements (21 credits), and the concentration requirements for Psychology (15 credits), the concentration requirements for Human Services (18 credits), and an additional 9 - 12 credits from the list of approved courses at the 3000-4000 level. A total of 68 credits is required to complete the double major. Courses required in a concentration cannot be used as elective credits for the double major.

## Associate of Science

### Requirements for the 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 - Adulthood and Aging Credits: 3
- PSY 3210 - Perspectives on Death and Dying Credits: 3
- PSY 3260 - Adolescent Development Credits: 3

## Bachelor of Arts

### Psychology

Minimum required credits for the program: 48

## Requirements for the Bachelor of Arts in Psychology

### Core Courses: (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 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 4720 - Senior Seminar Credits: 3  
Advised Term - 4th Year

## Requirements for Psychology Program: (27 Credits)

- MAT 2021 - Statistics Credits: 3  
Advised Term - 2nd Year
- PSY 4010 - Biological Psychology Credits: 3  
Advised Term - 3rd Year
- PSY 4020 - Psychological Testing Credits: 3  
Advised Term - 3rd Year
- PSY 4921 - Senior Research I Credits: 3  
Advised Term - 4th Year
- PSY 4922 - Senior Research II Credits: 3  
Advised Term - 4th Year

## At Least 12 Credits Must Be Selected

At least four courses (12 credits) must be selected from 3000/4000 level Psychology courses or from the following list of approved courses. With assistance from their advisor, students are encouraged to select a program of approved courses that reflect their personal interests and career goals. At least six of these credits must be in Psychology.

Psychology majors may not use Psychology courses to satisfy the Social Science choice section of the General Education Unit; however, they may use PSY 2120 or 1130 to satisfy the 5th choice (elective) course. Upper level psychology elective credits used to satisfy major program requirements may not be used to satisfy any minor program requirements.

## Approved Courses:

In addition to the courses listed below, any 3000/4000 level Psychology course not required in the major.

- BIO 2011 - Human Anatomy and Physiology I Credits: 4
- BIO 2012 - Human Anatomy and Physiology II Credits: 4
- BIO 3220 - Genetics Credits: 4
- BUS 2410 - Human Resources Management Credits: 3
- BUS 3250 - Organizational Behavior in Business Credits: 3
- PHI 3130 - Philosophies of Gender Credits: 3
- SOC 3050 - Gender and Society Credits: 3

## Focus Options for Human Services and Psychology Majors:

All Human Service and Psychology majors are required to complete 9 to 12 upper level courses in addition to the core courses required for the major. Students can choose to focus in one of the following four options to complete this requirement.

**Family & Children**

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

**Elder Populations**

PSY 3210 Perspectives on Death and Dying  
PSY 3090 Lifespan Across Cultures  
PSY 3110 Adulthood & Aging  
PSY 4210 Psychopharmacology

**Nonprofit Administration**

BUS 2025 Nonprofit Management  
BUS 2265 Fiscal Management  
BUS 2410 Human Resources Management OR BUS 2235 Service Marketing

**Generalist**

9 to 12 credits selected from the above list of approved courses. Six credits must be in Psychology.

## Bachelor of Science

### Human Services

Minimum required credits for the program: 48

### Requirements for the Bachelor of Science in Human Services

#### Core Courses: (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 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 4720 - Senior Seminar Credits: 3  
Advised Term - 4th Year

#### Requirements for the Human Services Program: (27 Credits)

- PSY 2270 - Introduction to Human Services Credits: 3

- Advised Term - 2nd Year
- PSY 3070 - Abnormal Psychology Credits: 3  
Advised Term - 3rd Year
- PSY 3080 - Macro Perspectives in Human Services Credits: 3  
Advised Term - 3rd Year
- PSY 4151 - Counseling Credits: 3  
Advised Term - 4th Year
- PSY 4820 - Human Services Internship Credits: 6 to 9  
Six credits, taken in the same semester, are required for graduation.  
Advised Term - 4th Year

## At Least 9 Credits Must Be Selected

At least 9 credits (3 courses) must be selected from 3000/4000 level Psychology courses or from the following list of approved courses. Six credits must be in Psychology. With assistance from their advisor, students are encouraged to select a program of approved courses that reflect their personal interests and career goals.

Human Services majors may not use Psychology courses to satisfy the Social Science choice section of the General Education Unit; however, they may use PSY 2120 or 1130 to satisfy the 5th choice (elective) course. Upper level psychology elective credits used to satisfy major program requirements may not be used to satisfy any minor program requirements.

## Approved Courses:

In addition to the courses listed below, any 3000/4000 level Psychology course not required in the major.

- BIO 2011 - Human Anatomy and Physiology I Credits: 4
- BIO 2012 - Human Anatomy and Physiology II Credits: 4
- BUS 2025 - Nonprofit Management Credits: 3
- BUS 2235 - Service Marketing Credits: 3
- BUS 2265 - Fiscal Management Credits: 3
- BUS 2410 - Human Resources Management Credits: 3
- BUS 3250 - Organizational Behavior in Business Credits: 3
- EDU 3020 - Educational Psychology Credits: 3
- MAT 2021 - Statistics Credits: 3  
Also fulfills a GEU mathematics requirement
- MRM 3020 - Program Planning and Delivery Credits: 3
- PHI 3130 - Philosophies of Gender Credits: 3
- POS 3060 - Vermont Politics Credits: 3
- SOC 2220 - The Family in Society Credits: 3
- SOC 3050 - Gender and Society Credits: 3

## Focus Options for Human Services and Psychology Majors:

All Human Service and Psychology majors are required to complete 9 to 12 upper level courses in addition to the core courses required for the major. Students can choose to focus in one of the following four options to complete this requirement.

### **Family & Children**

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

**Elder Populations**

PSY 3210 Perspectives on Death and Dying

PSY 3090 Lifespan Across Cultures

PSY 3110 Adulthood & Aging

PSY 4210 Psychopharmacology

**Nonprofit Administration**

BUS 2025 Nonprofit Management

BUS 2265 Fiscal Management

BUS 2410 Human Resources Management OR BUS 2235 Service Marketing

**Generalist**

9 to 12 credits selected from the above list of approved courses. Six credits must be in Psychology.

**Minor****Human Services Minor**

Minimum required credits for the minor: 18

**Requirements for the Minor in Human Services**

- 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**

Minimum required credits for the minor: 18

### **Requirements for the Minor in Psychology**

- 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 Geise, Assistant Professor (Natural Science)  
 Daisy McCoy, Professor (Mathematics)  
 Linda Metzke, Professor, (Education)  
 David Plazek, Assitant professor (Social Sciences)  
 Elaine Razzano, Professor (English)

## **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

## Acceptance to the Secondary Education Program

Students should apply to the program during the second semester of their sophomore year. Applications are available from the Education administrative assistant and should be returned to that office. To be eligible, a student needs to have:

1. taken EDU-2025, Introduction to Secondary Education;
2. earned a GPA of 2.63 overall and in the major by the end of the second semester of the sophomore year;
3. passed the Praxis I standardized test.

Prior to beginning of their junior year, students will be informed as to whether they are accepted, provisionally accepted, or denied admission to the program.

## 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 Professional's* 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 - Methods of Teaching Writing Credits: 3

### Mathematics:

Pure Mathematics concentration, including:

- MAT 3010 - History of Mathematics 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 (Sociology and Anthropology)

David Plazek, Assistant Professor (Political Science)

Paul Searls, Assistant Professor (History)

Alexandre Strokanov, Professor (History)

**B.A. Social Science**

**B.A. Global Studies**

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

**Minors:** History, Political Science, Anthropology/Sociology, Global Studies, International Studies, and Gender Studies

## Program Mission Statement

The Social Science program is designed to give students an interdisciplinary understanding of human nature. It seeks to educate students to be knowledgeable about their society and the world and to be able to think critically about the human condition. The department offers courses in anthropology, geography, history, political science, and sociology. 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 Bachelor of Arts degrees in Social Science and Global Studies. Students may also elect anthropology/sociology, history, political science, gender studies, international studies, or interdisciplinary social sciences 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 further study and to continue their interest in the field.

## Social Science Program Goals/Learning Outcomes

Graduates of the major of Social Science will be able to:

1. analyze social phenomena to demonstrate familiarity with cultural diversity;
2. 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;
3. conduct original research using critical thinking and social science research methodologies, develop a thesis, and, using appropriate computer and analytical skills, interpret the results of one's research into a written monograph that conforms to the standards of the discipline(s);
4. present their research findings clearly and accurately in the form of an oral presentation;
5. demonstrate the ability to work collaboratively (with at least two individuals) on a service project.

Graduation Requirements for all Social Science majors:

- a. a three-page cultural diversity paper, scored by department faculty advisors on or before May 1st of the student's senior year, using a grading rubric and stored in the student's portfolio by the Chair.
- b. a senior thesis research project (approximately 25 to 40 pages), initiated in SSC3020 and SSC4740 and finalized in SSC4720, scored by two department faculty thesis mentors on May 1st of the student's senior year (or Dec. 1st for December grads) using a grading rubric and stored in the student's portfolio by the Chair.
- c. a 12-to-15 minute oral defense of thesis, scored by four department faculty mentors on May 1st of the student's senior year (or Dec. 1st for December grads) using a grading rubric and stored in the student's portfolio by the Chair.
- d. a one page collaborative service statement, signed by supervisor, scored by department faculty advisors using a grading rubric and stored in the student's portfolio by the Chair.
- e. an outgoing senior survey, filled out by the senior after the thesis presentation on May 1st of the student's senior year (or Dec. 1st for December grads), scored by department Chair and stored in the student's portfolio.

## Global Studies Program Goals/Learning Outcomes:

Graduates of the majors of Global Studies will be able to:

1. utilize disciplinary concepts, knowledge, and tools of the social sciences to analyze socio-cultural phenomena of the past or present that reflect an understanding of the factors that influence human social behavior;
2. conduct original research using critical thinking and social science research methodologies, develop a thesis, and, using appropriate computer and analytical skills, interpret the results of one's research into a written monograph that conforms to the standards of the discipline(s);
3. present their research findings clearly and accurately in the form of an oral presentation;
4. develop an understanding of the history and culture of various regions around the world in finding solutions to current global problems
5. demonstrate ability to enhance their global awareness by gaining knowledge in a foreign language, observing a culture different from their native culture, or exhibiting completed works on issues related to globalization;

Graduation Requirements for all Global Studies majors:

- a. a 25-to-40 page senior thesis research project, initiated in SSC3020 and SSC4740 and finalized in SSC4720, scored by two department faculty thesis mentors on May 1st of the student's senior year using a grading rubric and stored in the student's portfolio by the Chair.
  - b. a 12-to-15 minute oral defense of thesis, scored by two department faculty mentors on May 1st of the student's senior year using a grading rubric and stored in the student's portfolio by the Chair.
  - c. a three-page cultural diversity paper, scored by department faculty advisors using a grading rubric and stored in the student's portfolio by the Chair.
  - d. an outgoing senior survey, filled out by the senior after the thesis presentation on May 1st of the student's senior year, scored by department Chair and stored in the student's portfolio.
  - e. one of the following assessments:
    - i. demonstrate experience in a foreign land either through Study Abroad, work/internship, educational tour, or fieldwork;
    - ii. provide evidence of an understanding of global interconnectedness in the form of a professional paper, published article, or capstone essay; OR
    - iii. demonstrate knowledge in a foreign language.
- analyze a social phenomena from the perspective of a particular group or culture within the local, national, or international context that documents familiarity with the diversity of human cultures and world views;

## **Program Assessment**

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 capstone, an oral presentation of the senior thesis in front of peers, and a senior survey. 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 the program.

**Bachelor of Arts**

**Global Studies**

Minimum required credits for the program: 43

## Requirements for the Bachelor of Arts in Global Studies

### Foundations of Global Studies: (15 Credits)

Five from the following:

- ANT 1030 - Introduction to Anthropology Credits: 3  
Advised Term - 1st or 2nd Year
- ECO 2020 - Macroeconomics Credits: 3  
Advised Term - 1st or 2nd Year
- GEO 1010 - Introduction to Geography Credits: 3  
Advised Term - 1st or 2nd Year
- HIS 1011 - Western Civilization I Credits: 3  
Advised Term - 1st or 2nd Year  
OR
- HIS 1020 - Comparative Civilization Credits: 3  
Advised Term - 1st or 2nd Year
- POS 2040 - International Relations Credits: 3  
Advised Term - 1st or 2nd Year
- SOC 1010 - Introduction to Sociology Credits: 3  
Advised Term - 1st or 2nd Year

### Advanced Core: (10 Credits)

- SSC 3020 - Research Design and Analysis Credits: 4  
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

### Advanced Area Studies:

At least 12 credits of the following, at least nine credits at the 3000 level. No more than six credits of field work courses (ANT 3820 and SSC 3820) may be counted toward the degree. The courses must be distinct from the Social Science Advanced Electives, i.e., no overlap.

- ANT 3010 - Native Societies of America Credits: 3  
Advised Term - 3rd or 4th Year
- ANT 3030 - Comparative Cultures Credits: 3  
Advised Term - 3rd or 4th Year
- ANT 3050 - Culture, Ecology, and Health Credits: 3  
Advised Term - 3rd or 4th Year
- ANT 3310 - Myth, Magic & Religion Credits: 3  
Advised Term - 3rd or 4th Year
- ANT 3410 - African Ethnography Credits: 3  
Advised Term - 3rd or 4th Year
- ANT 3820 - Anthropology Fieldwork Credits: 1 to 6

- Advised Term - 3rd or 4th Year
- HIS 2240 - Survey of Eurasia Credits: 3  
Advised Term - 3rd or 4th Year
  - HIS 2330 - Traditional Asia Credits: 3  
Advised Term 3rd or 4th Year
  - HIS 3056 - Race in America Credits: 3  
Advised Term - 3rd or 4th Year
  - HIS 3310 - 18th and 19th Centuries Europe Credits: 3  
Advised Term 3rd or 4th Year
  - HIS 3330 - Europe since 1914 Credits: 3  
Advised Term - 3rd or 4th Year
  - HIS 3440 - Modern Russia Credits: 3  
Advised Term - 3rd or 4th Year
  - HIS 3530 - Modern East and Southeast Asia Credits: 3  
Advised Term - 3rd or 4th Year
  - HIS 3540 - Modern South Asia Credits: 3  
Advised Term - 3rd or 4th Year
  - HIS 3550 - The Islamic World Credits: 3  
Advised Term - 3rd or 4th Year
  - POS 3020 - Problems in International Relations Credits: 3  
Advised Term - 3rd or 4th Year
  - POS 3210 - Canadian Politics Credits: 3  
Advised Term - 3rd or 4th Year
  - POS 3260 - Middle East Politics and Government Credits: 3  
Advised Term - 3rd or 4th Year
  - POS 3310 - Latin American Politics Credits: 3  
Advised Term - 3rd or 4th Year
  - POS 3410 - African Politics Credits: 3  
Advised Term - 3rd or 4th Year
  - PSY 3090 - Lifespan Across Cultures Credits: 3  
Advised Term - 3rd or 4th Year
  - SSC 2020 - Experience the World Credits: 1  
Advised Term - 3rd or 4th Year
  - SSC 3820 - Global Studies Fieldwork Credits: 1 to 6  
Advised Term - 3rd or 4th Year
  - BUS 3240 - International Business Credits: 3  
Advised Term - 3rd or 4th Year

## Advanced Electives: (6 credits)

Six additional credits at the 3000-4000 level approved by the Social Science Department.

Advised Term - 3rd or 4th Year

## Academic and Fieldwork Opportunities

Social Science and Global Studies 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.

## Social Science

Minimum required credits for the program: 46

### Requirements for the Bachelor of Arts in Social Science

#### Foundations of Social Science: (18 Credits)

\* For Licensure in Social Studies Secondary Education, take asterisked courses plus two courses at the 3000 or 4000 level in American History or American Government.

- GEO 1010 - Introduction to Geography Credits: 3  
(see footnote \*) Advised Term - 1st or 2nd Year
- HIS 1011 - Western Civilization I Credits: 3  
(see footnote \*) Advised Term - 1st or 2nd Year
- HIS 1211 - American History I Credits: 3  
(see footnote \*) Advised Term - 1st or 2nd Year
- HIS 1212 - American History II Credits: 3  
(see footnote \*) Advised Term - 1st or 2nd Year
- POS 1010 - Introduction to Political Science Credits: 3  
(see footnote\*) Advised Term - 1st or 2nd Year
- SOC 1010 - Introduction to Sociology Credits: 3  
OR
- ANT 1030 - Introduction to Anthropology Credits: 3  
Advised Term - 1st or 2nd Year

#### Advanced Core: (10 Credits)

- SSC 3020 - Research Design and Analysis Credits: 4  
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

#### Advanced Electives

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

Advised Term - 3rd/4th Year

#### Academic and Fieldwork Opportunities

Social Science and Global Studies 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.

## **Minor**

### **Anthropology/Sociology Minor**

Minimum required for the minor: 18

#### **Requirements for the Minor in Anthropology/Sociology**

##### **Take: (6 Credits)**

- 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

##### **Core Courses: 9 credits**

- 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 4210 - Psychopharmacology Credits: 3
- PSY 3070 - Abnormal Psychology Credits: 3
- SOC 3320 - Culture of Deviance Credits: 3

## **Gender Studies Minor**

Minimum required credits for the program: 18

### Requirements for the Minor in Gender Studies

#### Choose Six Courses With the Following Requirements:

At least one from three of the following four areas and at least three at the 3000-4000 level.

##### Philosophy:

- PHI 3130 - Philosophies of Gender Credits: 3
- PHI 3399 - Gender Issues in Philosophy Credits: 3

##### Psychology:

- PSY 2120 - Human Sexuality Credits: 3
- PSY 3230 - Psychology of Gender Credits: 3
- PSY 4140 - Women in Psychology Credits: 3

##### Sociology/Anthropology:

- ANT 3030 - Comparative Cultures Credits: 3
- SOC 2220 - The Family in Society Credits: 3
- SOC 3050 - Gender and Society Credits: 3
- SSC 3399 - Gender Issues in Social Sciences Credits: 3

##### Literature/Cultural Studies:

- ENG 2240 - Greek and Roman Classics Credits: 3
- ENG 3250 - Myths and Mythologies Credits: 3
- ENG 3399 - Gender Issues in Literature and Culture Credits: 3

## **History Minor**

Minimum required credits for the minor: 18

### Requirements for the Minor in History

## 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

## International Studies Minor

Minimum required credits for the minor: 19

### I. Study of Foreign Language (First-Year Level): 6 Credits

Students have the option to test out. If this option is chosen, they have to take 6 credit hours of foreign language at a more advanced level or take all 18 credit hours from the second block of courses. Foreign students with a primary language other than English may take a different foreign language or take all 18 credit hours from the second block.

### II. Courses with Explicit International Content: 12 Credits

\* Courses that have a prerequisite other than ENG 1052.

Twelve credit hours from the following, with at least six credit hours at the 3000-4000 levels.

- ANT 3030 - Comparative Cultures Credits: 3
- ANT 3050 - Culture, Ecology, and Health Credits: 3
- ANT 3310 - Myth, Magic & Religion Credits: 3
- ANT 3410 - African Ethnography Credits: 3
- ANT 3820 - Anthropology Fieldwork Credits: 1 to 6
- BUS 3240 - International Business Credits: 3
- ENG 2240 - Greek and Roman Classics Credits: 3
- ENG 2390 - Survey of World Literature: Explorations Credits: 3
- FLL 2710 - Topics in Foreign Language Credits: 3
- GEO 1010 - Introduction to Geography Credits: 3
- HIS 1011 - Western Civilization I Credits: 3
- HIS 1020 - Comparative Civilization Credits: 3
- HIS 2240 - Survey of Eurasia Credits: 3
- HIS 2330 - Traditional Asia 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

- MRM 1010 - Leisure and Society Credits: 3
- POS 1030 - Comparative Government Credits: 3
- POS 2040 - International Relations Credits: 3
- POS 3020 - Problems in International Relations Credits: 3
- POS 3210 - Canadian Politics Credits: 3
- POS 3260 - Middle East Politics and Government Credits: 3
- POS 3310 - Latin American Politics Credits: 3
- POS 3410 - African Politics Credits: 3
- PSY 3090 - Lifespan Across Cultures Credits: 3
- SSC 3820 - Global Studies Fieldwork Credits: 1 to 6

### III. International Travel: 1 Credit

One credit hour from the following, or other international travel experience approved by the department.

- SSC 2020 - Experience the World Credits: 1
- SSC 3820 - Global Studies Fieldwork Credits: 1 to 6
- ANT 3820 - Anthropology Fieldwork Credits: 1 to 6

## Political Science Minor

Minimum required credits for the program: 18

### Requirements for the Minor in Political Science

- 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.

## Visual Arts

Kelly Glentz Brush, Associate Professor

Harry Mueller, Assistant Professor

Philip Parisi, Assistant Professor

Barclay Tucker, Associate Professor

### **B.F.A. Animation/Illustration**

#### **B.A New Media**

Animation

eCommerce

Video

Web Design

**B.A. Graphic Design**

Illustration

Print

**A.S New Media**

**A.S. Graphic Design**

**A.S. Visual Arts**

**Minors:** New Media, Graphic Design, Visual Arts

## Mission Statement

In a spirited and engaging environment, the Visual Arts program is a venue for dynamic self-expression. Students are challenged to become adept problem-solvers and expand the breadth of their artistic technique and personal aesthetic. Awareness of art history and contemporary visual culture provides context for innovative practice. Visual literacy is fostered through hands-on coursework that demands original thought, stimulates critical thinking, and instills passion for the visual arts.

## Common Program Goals

Upon completion of the BA and BFA programs students will have:

- An entry-level portfolio specific to the major or emphasis
- An ability to use basic 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

## Acceptance into the Visual Arts Bachelors Degree Programs

Prior to completion of the sophomore year, students majoring in Animation/Illustration, Graphic Design and New Media must request for formal acceptance into the major. Requirements for being accepted into the majors are completion of the first year and a half of required major courses, submission of a portfolio of work completed over the first year and a half of Graphic Design, New Media and/or Animation/Illustration related courses and the recommendation of the full time faculty in the department based on the review of the portfolio.

## Program Assessment

There are four primary ways in which the Visual Arts Department assesses its BA and BFA program goals:

- Design studio client evaluations
- Internship supervisor evaluations
- Sophomore portfolio reviews
- Senior portfolio presentations
- Gallery exhibition and presentations (BFA only)

## Associate of Science

## **Graphic Design - A.S.**

Minimum required credits for the program: 27

### Requirements for the Associate of Science in Graphic Design

#### Foundations (9 credits):

- ART 1011 - Drawing I Credits: 3  
Advised Term - 1st Year
- ART 1140 - Design Credits: 3  
Advised Term - 1st Year
- ART 2020 - Color Theory Credits: 3  
Advised Term - 1st Year

#### Studio Core (15 credits):

- GDS 1025 - Typography for Design Credits: 3  
Advised Term - 1st Year
- GDS 2015 - Illustration Software for Design Credits: 3  
Advised Term - 2nd Year
- GDS 2025 - Photographic Manipulation Software for Design Credits: 3  
Advised Term - 2nd Year
- GDS 2035 - Page Layout Software for Design Credits: 3  
Advised Term - 2nd Year
- NMS 1015 - Introduction to New Media Credits: 3  
Advised Term - 2nd Year

#### Art History (3 credits):

- ARH 2011 - Survey of Western Art I Credits: 3  
OR
- ARH 2012 - Survey of Western Art II Credits: 3  
Advised Term - 2nd Year

## **New Media - A.S.**

Minimum required credits for the program: 27

### Requirements for the Associate of Science in New Media

#### Foundations Courses: (9 Credits)

- ART 1140 - Design Credits: 3  
Advised Term 1st Year

- ART 2020 - Color Theory Credits: 3  
Advised Term 1st Year
- NMS 1015 - Introduction to New Media Credits: 3  
Advised Term 1st Year

## New Media Core: (18 credits)

- CIS 2141 - Programming Internet and Web Applications Part I Credits: 3  
Advised Term 2nd Year
- GDS 2025 - Photographic Manipulation Software for Design Credits: 3  
Advised Term 2nd Year
- NMS 2010 - Motion Graphics Credits: 3  
Advised Term 1st or 2nd Year
- NMS 2050 - Web Design and Digital Imaging Credits: 3  
Advised Term 1st Year
- NMS 3050 - Non-Linear Video Editing Credits: 3  
Advised Term 2nd Year
- NMS 3060 - Basic 3D Modeling Credits: 3  
Advised Term 2nd Year

## Visual Arts - Associate of Science

Minimum required credits for the program: 27

### Requirements for the Associate of Science in Visual Arts

#### Foundations:

- ART 1011 - Drawing I Credits: 3  
Advised Term - 1st Year
- ART 1140 - Design Credits: 3  
Advised Term - 1st Year
- ART 2020 - Color Theory Credits: 3  
Advised Term - 1st Year

#### Studio Core:

- ART 2241 - Painting I Credits: 3  
Advised Term - 2nd Year
- ART 2251 - Sculpture I Credits: 3  
Advised Term - 2nd Year

#### Art History:

- ARH 2011 - Survey of Western Art I Credits: 3  
Advised Term - 2nd Year
- ARH 2012 - Survey of Western Art II Credits: 3

Advised Term - 2nd Year

## Visual Arts Electives

Choose two classes (six credits) from the following:

- ART 1310 - Digital Photography Credits: 3
- ART 2012 - Drawing II Credits: 3
- ART 2060 - Applied Art Credits: 3
- ART 2121 - Calligraphy I Credits: 3
- ART 2301 - Photography I Credits: 3
- ART 2302 - Photography II Credits: 3
- ART 3031 - Life Drawing Credits: 3
- ART 3050 - Painting II Credits: 3
- GDS 2015 - Illustration Software for Design Credits: 3
- GDS 2025 - Photographic Manipulation Software for Design Credits: 3
- NMS 1015 - Introduction to New Media Credits: 3

## Bachelor of Arts

### Graphic Design — Illustration Concentration

Minimum required credits for program - 53

### Requirements for the Bachelor of Arts in Graphic Design - Illustration Concentration

#### Foundations (9 credits):

- ART 1011 - Drawing I Credits: 3  
Advised Term - 1st Year
- ART 1140 - Design Credits: 3  
Advised Term - 1st Year
- ART 2020 - Color Theory Credits: 3  
Advised Term - 1st Year

#### Studio Core (26 credits):

- GDS 1025 - Typography for Design Credits: 3  
Advised Term - 1st Year
- GDS 2015 - Illustration Software for Design Credits: 3  
Advised Term - 2nd Year
- GDS 2025 - Photographic Manipulation Software for Design Credits: 3  
Advised Term - 2nd Year
- GDS 2035 - Page Layout Software for Design Credits: 3  
Advised Term - 2nd Year

- GDS 3111 - Design for Print Credits: 3  
Advised Term - 3rd Year
- GDS 4010 - Designing a Portfolio Credits: 2  
Advised Term - 4th Year
- GDS 4811 - Graphic Design Internship Credits: 1 to 6  
OR
- GDS 4812 - Graphic Design Studio Credits: 3 to 6  
Advised Term - 4th Year
- ENG 2020 - Understanding the Writing Process Credits: 3  
Advised Term - 2nd Year
- NMS 1015 - Introduction to New Media Credits: 3  
Advised Term - 3rd Year

## Formal Acceptance into the Major Portfolio Review: 2nd Year

### Art History (6 credits):

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

### Illustration Concentration (9 credits):

- ART 3031 - Life Drawing Credits: 3  
Advised Term - 3rd Year
- GDS 2050 - Illustration Credits: 3  
Advised Term - 2nd Year
- GDS 3050 - Advanced Illustration Credits: 3  
OR
- GDS 4050 - Visual Narrative Credits: 3  
Advised Term - 4th Year

### Illustration Distribution (3 credits):

Take one of the following:

- ART 2012 - Drawing II Credits: 3
- ART 2241 - Painting I Credits: 3
- ART 2251 - Sculpture I Credits: 3
- ART 3020 - Digital Techniques Credits: 3
- ART 3050 - Painting II Credits: 3
- GDS 2055 - Onsite Illustration Credits: 3

## Graphic Design — Print Concentration



# Requirements for the Bachelor of Arts in Graphic Design - Print Concentration

## Foundations (9 credits):

- ART 1011 - Drawing I Credits: 3  
Advised Term - 1st Year
- ART 1140 - Design Credits: 3  
Advised Term - 1st Year
- ART 2020 - Color Theory Credits: 3  
Advised Term - 1st Year

## Studio Core (26 credits):

- GDS 1025 - Typography for Design Credits: 3  
Advised Term - 1st Year
- GDS 2015 - Illustration Software for Design Credits: 3  
Advised Term - 2nd Year
- GDS 2025 - Photographic Manipulation Software for Design Credits: 3  
Advised Term - 2nd Year
- GDS 2035 - Page Layout Software for Design Credits: 3  
Advised Term - 2nd Year
- GDS 3111 - Design for Print Credits: 3  
Advised Term - 3rd Year
- GDS 4010 - Designing a Portfolio Credits: 2  
Advised Term - 4th Year
- GDS 4811 - Graphic Design Internship Credits: 1 to 6  
OR
- GDS 4812 - Graphic Design Studio Credits: 3 to 6  
Advised Term - 4th Year
- ENG 2020 - Understanding the Writing Process Credits: 3  
Advised Term - 2nd Year
- NMS 1015 - Introduction to New Media Credits: 3  
Advised Term - 3rd Year

## Formal Acceptance into the Major Portfolio Review: 2nd Year

## Art History (6 credits):

- ARH 2011 - Survey of Western Art I Credits: 3  
Advised Term - 2nd Year
- ARH 2012 - Survey of Western Art II Credits: 3  
Advised Term - 3rd Year

## Print Concentration (12 credits):

- ART 2301 - Photography I Credits: 3  
OR
- GDS 2050 - Illustration Credits: 3  
Advised Term - 2nd Year
- GDS 3035 - Advanced Typography/Layout Credits: 3  
Advised Term - 3rd Year
- GDS 3120 - Book Design and Publishing Credits: 3  
OR
- GDS 3150 - Package Design Credits: 3  
Advised Term - 4th Year
- GDS 4020 - Branding and Corporate Identity Credits: 3  
Advised Term - 4th Year

## New Media

Minimum required credits for the program: 50

### Requirements for the Bachelor of Arts in New Media

#### Foundations (9 Credits):

In addition to the required courses listed below, additional recommended (not required) courses for the New Media core are: ENG 1080 Expository Speaking, ARH 2010 Survey of Western Art II, and NMS 3810 Special Interests on the Web

- ART 1011 - Drawing I Credits: 3  
Advised Term 1st or 2nd Year
- ART 1140 - Design Credits: 3  
Advised Term 1st or 2nd Year
- ART 2020 - Color Theory Credits: 3  
Advised Term 2nd Year

#### Studio Core (29 credits):

- CIS 2141 - Programming Internet and Web Applications Part I Credits: 3  
Advised Term 2nd Year
- GDS 2025 - Photographic Manipulation Software for Design Credits: 3  
Advised Term 3rd Year
- ENG 2020 - Understanding the Writing Process Credits: 3  
Advised Term 3rd Year
- NMS 1015 - Introduction to New Media Credits: 3  
Advised Term 1st Year
- NMS 2010 - Motion Graphics Credits: 3  
Advised Term 2nd or 3rd Year
- NMS 2050 - Web Design and Digital Imaging Credits: 3  
Advised Term 1st Year
- NMS 3050 - Non-Linear Video Editing Credits: 3  
Advised Term 3rd Year

- NMS 4030 - New Media Studio Credits: 5  
Advised Term 4th Year
- NMS 4990 - Portfolio Credits: 3  
Advised Term 4th Year

## Formal Acceptance into the Major Portfolio Review: 2nd Year

### Web Design Concentration (12 Credits):

In addition to the required courses listed below, an additional recommended (not required) course for the Web Design concentration is:

NMS 4810 Internship

- BUS 2230 - Principles of Marketing Credits: 3  
Advised Term 3rd Year
- CIS 2271 - Java Programming Credits: 3  
Advised Term 3rd Year
- CIS 3120 - Programming Internet and Web Applications Part II Credits: 3  
Advised Term 3rd Year
- NMS 3155 - Advanced Web Design Credits: 3  
OR CIS 4060 Advanced Web Tools  
Advised Term 3rd or 4th Year

### Animation Concentration (12 credits):

In addition to the required courses listed below, additional recommended (not required) courses for the Animation concentration core are:

ART 2251 Sculpture

ART 2301 Photography I

ARH 3080 History of Animation and American Illustration

ART 4611 Senior Thesis I

ART 4612 Senior Thesis II

- ART 2012 - Drawing II Credits: 3  
Advised Term 2nd or 3rd Year
- NMS 3060 - Basic 3D Modeling Credits: 3  
Advised Term 3rd Year
- NMS 3070 - Basic 3D Animation Credits: 3  
Advised Term 3rd Year
- NMS 3080 - Advanced Motion Graphics Credits: 3  
OR
- NMS 4045 - Advanced Motion Graphics Tools Credits: 3  
Advised Term 3rd or 4th Year

### Video Concentration (12 Credits):

In addition to the required courses listed below, an additional recommended (not required) course for the Video concentration is:  
FLM 4010 Theory of Cinema

- FLM 1055 - Film Analysis and Appreciation Credits: 3  
Advised Term 2nd Year
- FLM 2010 - History of Cinema Credits: 3  
Advised Term 3rd or 4th Year
- FLM 3010 - Auteur Filmmakers Seminar Credits: 3  
OR
- FLM 3610 - Film Studies Seminar Credits: 3  
Advised Term 3rd or 4th Year
- NMS 3080 - Advanced Motion Graphics Credits: 3  
OR
- NMS 4055 - Advanced Non-Linear Video Editing Credits: 3  
Advised Term 3rd Year

## e-Commerce Concentration (12 Credits):

In addition to the required courses listed below, additional recommended (not required) courses for the e-Commerce concentration are:

BUS 1210 Business Software

CIS 4060 Advanced Web Tools

BUS 4420 e-Commerce Sales and Marketing

- BUS 1010 - Introduction to Business Credits: 3  
OR
- BUS 2230 - Principles of Marketing Credits: 3  
Advised Term 3rd Year
- CIS 2271 - Java Programming Credits: 3  
Advised Term 3rd Year
- CIS 3120 - Programming Internet and Web Applications Part II Credits: 3  
Advised Term 3rd or 4th Year
- NMS 3030 - e-Commerce Fundamentals Credits: 3  
Advised Term 3rd or 4th Year

## Bachelor of Fine Arts

### Animation/Illustration - B.F.A.

Minimum required credits for the program: 68-69 credits

## Requirements for the Bachelor of Fine Arts - Animation and Illustration

### Visual Arts Foundation (15 credits):

- ARH 2011 - Survey of Western Art I Credits: 3  
Advised Term - 2nd Year
- ARH 2012 - Survey of Western Art II Credits: 3  
Advised Term - 2nd Year
- ART 1011 - Drawing I Credits: 3  
Advised Term - 1st Year

- ART 1140 - Design Credits: 3  
Advised Term - 1st Year
- ART 2020 - Color Theory Credits: 3  
Advised Term - 1st Year

## Visual Arts Beginning Courses (18 credits):

- ARH 3080 - History of Animation and American Illustration Credits: 3  
Advised Term - 3rd Year
- ART 2070 - Introduction to Animation Credits: 3  
Advised Term - 2nd Year
- GDS 2015 - Illustration Software for Design Credits: 3  
Advised Term - 2nd Year
- GDS 2025 - Photographic Manipulation Software for Design Credits: 3  
Advised Term - 2nd Year
- GDS 2050 - Illustration Credits: 3  
Advised Term - 2nd Year
- ENG 2020 - Understanding the Writing Process Credits: 3  
Advised Term - 2nd Year

## Formal Acceptance into the Major Portfolio Review: 2nd Year

## Visual Arts Intermediate Courses (18 credits):

- ART 2012 - Drawing II Credits: 3  
Advised Term - 2nd Year
- ART 2251 - Sculpture I Credits: 3  
Advised Term - 3rd/4th Year
- ART 3031 - Life Drawing Credits: 3  
Must be taken twice  
Advised Term - 3rd/4th Year
- GDS 3050 - Advanced Illustration Credits: 3  
Advised Term - 3rd/4th Year
- GDS 4050 - Visual Narrative Credits: 3  
Advised Term - 3rd/4th Year

## Visual Arts Choice Courses (9 credits):

Choose three courses from either the Illustration or Animation track:

### Illustration Track:

- ART 2241 - Painting I Credits: 3
- ART 3020 - Digital Techniques Credits: 3
- ART 3050 - Painting II Credits: 3
- GDS 2055 - Onsite Illustration Credits: 3

## Animation Track:

- NMS 2010 - Motion Graphics Credits: 3
- NMS 3060 - Basic 3D Modeling Credits: 3
- NMS 3070 - Basic 3D Animation Credits: 3
- NMS 3080 - Advanced Motion Graphics Credits: 3
- NMS 4040 - Advanced 3D Animation Credits: 3

## Visual Arts Advanced Courses (8-9 credits):

- ART 4611 - Senior Thesis I Credits: 3  
Advised Term - 4th Year
- ART 4612 - Senior Thesis II Credits: 3  
Advised Term - 4th Year
- GDS 4010 - Designing a Portfolio Credits: 2  
for the Illustration track  
OR
- NMS 4990 - Portfolio Credits: 3  
for the Animation Track

## Minor

### Graphic Design Minor

Minimum required credits for the minor: 18

#### Foundations (9 credits):

- ART 1011 - Drawing I Credits: 3
- ART 1140 - Design Credits: 3
- ART 2020 - Color Theory Credits: 3

#### Studio Core (6 credits):

- GDS 1025 - Typography for Design Credits: 3
- GDS 2035 - Page Layout Software for Design Credits: 3

#### Design Distribution (3 credits):

Take one of the following:

- GDS 2015 - Illustration Software for Design Credits: 3  
OR
- GDS 2025 - Photographic Manipulation Software for Design Credits: 3

## **New Media Minor**

Minimum required credits for the minor: 18

### **Requirements for Minor in New Media**

- ART 1140 - Design Credits: 3
- ART 2020 - Color Theory Credits: 3
- CIS 2141 - Programming Internet and Web Applications Part I Credits: 3
- NMS 1015 - Introduction to New Media Credits: 3
- NMS 2010 - Motion Graphics Credits: 3
- NMS 2050 - Web Design and Digital Imaging Credits: 3

## **Photography Minor**

Minimum required credits for the minor: 18

### **Foundations (3 credits):**

- ART 1140 - Design Credits: 3

### **Studio Core (12 credits):**

- ART 1310 - Digital Photography Credits: 3
- ART 2301 - Photography I Credits: 3
- ART 2302 - Photography II Credits: 3
- GDS 2025 - Photographic Manipulation Software for Design Credits: 3

### **Photography Distribution (3 credits):**

Take one of the following:

- ART 2020 - Color Theory Credits: 3
- ART 2060 - Applied Art Credits: 3
- ART 2910 - Independent Study in Art Credits: 1 to 3

## **Visual Arts Minor**

Minimum required credits required for the minor: 18

### **Foundations:**

- ART 1011 - Drawing I Credits: 3
- ART 1140 - Design Credits: 3

- ART 2020 - Color Theory Credits: 3

## Art History

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

## Visual Arts Electives

Choose two classes from the following:

- ART 1310 - Digital Photography Credits: 3
- ART 2012 - Drawing II Credits: 3
- ART 2060 - Applied Art Credits: 3
- ART 2121 - Calligraphy I Credits: 3
- ART 2241 - Painting I Credits: 3
- ART 2251 - Sculpture I Credits: 3
- ART 2301 - Photography I Credits: 3
- ART 2302 - Photography II Credits: 3
- ART 3031 - Life Drawing Credits: 3
- ART 3050 - Painting II Credits: 3
- GDS 2015 - Illustration Software for Design Credits: 3
- GDS 2025 - Photographic Manipulation Software for Design Credits: 3
- NMS 1015 - Introduction to New Media Credits: 3

## 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 math competency 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 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 3025 - Cost Management**

Cost management is the process of identifying opportunities and means of improving costs and performance to realize the goals of the organization. Progressing from the collection and transmittal of cost information, the cost accountant today is a highly respected financial analyst and consultant striving to manage and control all costs in order to meet corporate goals and anticipating and managing the drivers of costs. The goal of this course is to prepare the next generation of financial managers and consultants.

**Prerequisites & Notes**

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

Credits: 3

**ACC 3040 - Auditing Process**

This course is an overview of the auditing process and covers such topics as internal auditing standards, ethics, concepts, audit techniques, and reporting practices.

**Prerequisites & Notes**

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

Credits: 1

**ACC 3111 - Advanced Intermediate Accounting I**

This course provides an extensive study of generally accepted accounting principles relating to preparation and use of financial statements. The instruction places a particular emphasis on problem solving and the application of Accounting Principles Board opinions and Financial Accounting Standards Board statements.

**Prerequisites & Notes**

The prerequisite is ACC 2121. This course is offered every odd-numbered fall.

Credits: 4

## **ACC 3112 - Advanced Intermediate Accounting II**

This course is a continuation of Advanced Intermediate Accounting I. The instruction includes such topics as accounting for plant and equipment, intangible assets, long-term liabilities and corporations. Special emphasis is on the preparation of the statement of cash flows.

### **Prerequisites & Notes**

The prerequisite is ACC 3111. This course is offered every even-numbered spring.

Credits: 4

## **ACC 4010 - Accounting Information Systems**

This course covers the design, control, and use of accounting information systems in typical business processes such as order entry, sales, billing, accounts receivable, cash receipts, purchasing, accounts payable, and cash disbursements. Attention is given to the process and control implications.

### **Prerequisites & Notes**

The prerequisite is ACC 3025. This course is offered every odd-numbered fall.

Credits: 3

## **ACC 4030 - Government and Nonprofit Accounting**

This course provides a study of accounting for state and local governmental units, including the eight funds (general, special revenue, capital-projects, debt-service, special-assessment, internal- service, enterprise, and fiduciary), and the general fixed assets and general long-term accounting groups. The instruction also provides a study of accounting for not-for-profit organizations such as colleges, arts organizations, school districts, and voluntary health and welfare organizations.

### **Prerequisites & Notes**

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

Credits: 3

## **ACC 4050 - Auditing and Assurance Services**

Auditing introduces principles and procedures of investigating financial statements and underlying records. The instruction studies topics such as types of audits, responsibilities and duties of the auditor, audit standards, audit programs, internal control, auditor's report and ethics.

### **Prerequisites & Notes**

The prerequisite is ACC 3112 or permission. This course is offered every odd-numbered spring.

Credits: 3

## **Anthropology**

### **ANT 1030 - Introduction to Anthropology**

[Choice:SS] 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**

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**

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**

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 spring.

Credits: 3

## **ANT 3310 - Myth, Magic & Religion**

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 3410 - African Ethnography**

This course is designed to provide a historical, cultural, and geographic survey of sub-Saharan Africa, examining such topics as political systems, religion, marriage and family, and the crises of disease, war, and malnutrition. The course is taught from an anthropological perspective.

### **Prerequisites & Notes**

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

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**

[Choice:AR] 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 1140 - 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**

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

Credits: 3

**ART 1310 - Digital Photography**

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**

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

Credits: 3

**ART 2060 - Applied Art**

[Choice:AR] This course introduces the fundamentals of art while exploring a wide variety of art mediums in relationship to careers in the arts. Instruction emphasizes color and composition.

**Prerequisites & Notes**

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

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 2121 - Calligraphy I**

[Choice:AR] This course covers the study and practice of historical scripts such as Quadrata, Bookhand, Rustica, Chancery, and Gothic.

**Prerequisites & Notes**

This course is offered every fall.

Credits: 3

## **ART 2241 - Painting I**

[Choice:AR] 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**

[Choice:AR] 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 2301 - Photography I**

[Choice:AR] 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 2302 - Photography II**

This course is designed for the advanced student and focuses on two areas of black-and-white photography: technical controls and artistic expression. Students refine their skill and understanding of exposure, density/contrast, and print-making and concentrate on developing a more perceptive and sophisticated visual ability and awareness of photographic possibilities. Landscape, portrait, street shooting, studio, and still life are included in the curriculum. A 35 mm camera with adjustable aperture and shutter speed is required.

### **Prerequisites & Notes**

The prerequisite is ART 2301. 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 2910 - Independent Study in Art**

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.

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 DGC 2025. 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 3210 - Little Theatre Arts-Puppets and Masks**

This course uses creative approaches to puppetry and mask making. The instruction allows students to be involved in actual construction of puppets and their uses in various forms for performance.

### **Prerequisites & Notes**

This course may be repeated.

Credits: 3

## **ART 4410 - Collaborative Creativity in the Arts**

This course is a required culminating study for an interdisciplinary program of two or more areas in the Fine & Performing Arts curriculum. Students will explore the collaborative and creative influences one art form has upon the other, especially in integrating the individual art forms for aesthetic expression.

### **Prerequisites & Notes**

There is a lab fee.

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 4612 - Senior Thesis II**

This is the second in a two-course sequence that constitutes the capstone for the BFA degree in Animation/Illustration. Students will be required to complete their "dream project" in illustration and/or animation and execute their plan developed in Senior Thesis I. Students will end the course with an exhibition and a presentation of their senior thesis.

**Prerequisites & Notes**

The prerequisites are ART 4611 and permission. There is a lab fee. This course is offered every spring.

Credits: 3

**ART 4710 - 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 instructor. There may be a lab fee.

Credits: 1 to 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.

**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

**Art History**

**ARH 2011 - Survey of Western Art I**

[Choice:AR] 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**

[Choice:AR] 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

**Atmospheric Sciences**

**ATM 1010 - Elementary Meteorology**

[Choice:NS] 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. Lab work includes an introduction to weather map analysis and interpretation, thermodynamic diagram exercises, and climate-data manipulation. 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 semester.

Credits: 4

**ATM 1030 - Elementary Oceanography**

[Choice:NS]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 semester.

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.

Credits: .5 to 3

## **ATM 1050 - Problem Solving in Atmospheric Science**

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**

[Choice:NS] 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**

[Choice:NS] 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**

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**

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**

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 on the college radio station, the “Weather-phone”, and the LSC Met Web page. The instruction consists of occasional class meetings and one-on-one critiquing/coaching which develops and improves each student’s descriptive science writing and forecasting ability. The course may be repeated for a total of 4 credits.

**Prerequisites & Notes**

The prerequisites are ATM-2110 and TVS 2110. There is a lab fee. This course is offered every semester.

Credits: 1 to 4

## **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 surfaces, 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 in their preparation of forecasts and presentations in the co-requisite TV performance course. This course may be repeated three times.

#### **Prerequisites & Notes**

The prerequisites are ATM 2110, TVS 2110, ATM 3020, and TVS 2221. The co-requisite is TVS 3222 or ATM 4010. There is a lab fee. This course is offered every semester.

Credits: 1

### **ATM 3280 - Seminar in Atmospheric Science 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 meso-scale 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 (LSCTV). The course consists of weekly class meetings and 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, ATM 3332, and TVS 3222. The co-requisite is TVS 4030. 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 - Synoptic Climate Science**

This course provides a climatological and statistical study of surface and upper-air synoptic features. The planetary 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 - Hydrometeorology**

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 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 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, derechos, 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 even-numbered 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 TVS 2221.

**Prerequisites & Notes**

The prerequisites are TVS 2110, 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 Meteorology 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 meteorology degree program.

**Prerequisites & Notes**

The prerequisite is ATM 3322. This course is offered every fall.

Credits: 1

**ATM 4620 - Mathematical Studies in Meteorology 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 Meteorology**

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 Meteorology**

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 Cooperative Education Office. See also the section on Cooperative Education elsewhere in this catalog.

Credits: 1 to 15

## **ATM 4900 - Independent Study, Directed Study, and Special Projects in Meteorology**

This course allows students to select a topic or project in meteorology 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**

[Choice:NS] An introduction to the study of life, including cells, organisms, ecosystems, and evolution, and the techniques of the biologist.

Credits: 4

### **BIO 2011 - Human Anatomy and Physiology I**

[Choice:NS] 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**

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 2070 - Introduction to Plant Biology**

This course introduces students to the fundamentals of plant biology. The instruction focuses on cell structure and function; tissue types and their organization in roots, stems, and leaves; physiology; genetics; and plant diversity. This course is part of a one-year introductory sequence in biology.

### **Prerequisites & Notes**

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

Credits: 4

## **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 2520 - Introduction to Animal Biology**

This course introduces students to selected topics in biology through the study of animals. A unit on genetics covers Mendelian genetics, population genetics, and evolution. A unit on ecology covers population dynamics, nutrient cycles, food webs, and biomes. A unit on physiology includes cardiovascular, digestive, and other important systems. An appreciation of taxonomic diversity is woven through all of the topics. This course is part of a one-year introductory sequence in biology.

**Prerequisites & Notes**

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

Credits: 4

**BIO 3020 - Field Zoology**

This course investigates the local animal groups with a particular emphasis on protozoa, molluscs, arthropods, and vertebrates. The lectures include taxonomy, life history of selected types—including economically important kinds—modes of adaptation to the environment, and zoogeography. The combined laboratory/field approach includes the study of identification, preparation and collection techniques, structure, observations of behavior, and local distribution. Students make a collection or do an elementary field project. The course requires two classroom hours and one three-hour lab per week.

**Prerequisites & Notes**

The prerequisite is one semester of biological science; BIO 2240 is recommended. There is a lab fee. This course is offered by student request.

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 2240 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 2520. 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 2520, or permission. There is a lab fee. This course is offered every 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**

Genetics features a study of the fundamental principles of inheritance. The instruction includes study of such topics as molecular, Mendelian, and population genetics. Laboratory work includes breeding experiments with fruit flies and flowering plants, cytological observation of chromosomes, protein and nucleic acid electrophoresis, and bacterial mutation and transformation. The course requires three classroom hours and a two-hour lab per week.

#### **Prerequisites & Notes**

The prerequisites are one year of biological science and CHE 1031. There is a lab fee. This course is offered by student request.

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 2070 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 prerequisites are Botany and Zoology, or permission. There is a lab fee. This course is offered every odd-numbered fall.

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 2070 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 2070. 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.

Credits: 4

## **BIO 4310 - Sustainable Food Systems**

This is a field based, intensive course. During limited lecture time, the students will learn the principles of sustainable agriculture and food production. The course will also present a thorough examination and comparison of conventional, organic, and sustainable food production systems including Meat, Dairy, Vegetable and Tree Fruit. The field component of the course will include visits to local farms that practice organic and/or sustainable methods of agriculture. Students will often be doing work on these farms. The students will critically analyze the farm operations, assess their sustainability, learn to source local products and work to continue incorporating these products into the college community. This course is also recommended for practicing teachers who are working to incorporate local foods as part of their curricula and their school cultures. The prerequisites are SCI 1000 and BIO 2070. Recommended prerequisite is BIO 4XXX (Plant Pathology). The course is offered every summer.

### **Prerequisites & Notes**

The prerequisites are ENV 1000 and BIO 2070. Recommended prerequisite is BIO 44080. There is a lab fee. The course is offered every summer.

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 of the new discipline of Conservation Biology with an emphasis on endangered ecosystems and species. The course requires two two-hour meetings per week.

### **Prerequisites & Notes**

It is open to non-science majors with permission.

Credits: 4

## **Business**

## **BUS 1010 - Introduction to Business**

This course surveys various business-related topics, including organization and management, production planning and control, marketing, finance, day-to-day operations in the areas of accounting, personnel, research and development, and management information systems. This course also introduces students to the microcomputer.

### **Prerequisites & Notes**

This course is offered every semester.

Credits: 3

## **BUS 1210 - Introduction to Business Software**

This introductory computer course develops student skills for software used in courses in the business program as well as in the workplace. The course develops skills through application, linking directly with assignments in BUS 1010 (Introduction to Business). It is highly recommended that students take this course concurrently with BUS 1010.

### **Prerequisites & Notes**

The prerequisite is math competency. This course is offered every semester, including summer.

Credits: 3

## **BUS 2020 - Principles of Management**

[Choice:SS] This course introduces the principles of management and their application to organizations, both profit and nonprofit. The course study includes management theory, organizational structure, communication, motivation, planning, and decision making.

### **Prerequisites & Notes**

This course is offered every semester.

Credits: 3

## **BUS 2025 - Nonprofit Management**

This course is an introduction to the nonprofit sector. We will look at the challenges involved in running any nonprofit organization. Topics include planning, governing boards, human resource management, fundraising, and budgets. The course includes case studies of local nonprofit organizations.

### **Prerequisites & Notes**

The prerequisite is sophomore standing or permission. This course is offered every spring.

Credits: 3

## **BUS 2060 - Money and Capital Markets**

This course explores the capital markets—their structures, functions and evolution—and their effects on economic activity. Specifically, the course studies banking systems, public and private debt markets, equity markets, and derivative markets, looking both at established and emerging markets and technologies. This course is also strongly suggested as an introduction to BUS 3230.

**Prerequisites & Notes**

The prerequisite is ECO 2020. This course is offered every odd-numbered fall.

Credits: 3

**BUS 2140 - Personal Finance**

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**

[Choice:SS] 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 2235 - Service Marketing**

Marketing a service organization or business requires a different approach from marketing a manufactured product. This course provides students with the knowledge and tools to effectively market a for-profit or not-for-profit service. Students will learn and apply marketing theories, models and techniques that are appropriate for retailing, hospitality, human services, healthcare, consulting and other professional services. In addition to readings, lectures, class discussions, guest speakers, and field visits, students will use their own experiences and observations to learn how to improve service delivery, perceptions about the organization or business, and acquisition and retention of customers and/or clients.

**Prerequisites & Notes**

This course is also appropriate for non-Business majors. The course is offered odd-numbered spring semesters.

Credits: 3

**BUS 2250 - Business Ethics**

This course examines ethical dilemmas in the context of both the small business and the larger corporation, while developing written and oral skills of ethical argument.

**Prerequisites & Notes**

The prerequisite is ENG 1052 and sophomore standing, or permission. This course is offered every fall.

Credits: 3

## **BUS 2265 - Fiscal Management**

This course introduces skills for non-financial managers to be able to make informed financial decisions. Topics include reading and understanding financial statements, basic financial analysis techniques, understanding budgets, the budget process, and budget variance analysis. Organizations in the not-for-profit and public sectors will be examined.

### **Prerequisites & Notes**

The prerequisite is math competency. This course is offered every fall.

Credits: 3

## **BUS 2410 - Human Resources Management**

Human Resource Management provides a study of planning, organization direction and control in personnel management. The instruction places particular emphasis on the selection, training, job analysis, evaluation and wage plans of employees, and problems of morale and human relations.

### **Prerequisites & Notes**

The prerequisite is BUS 2020 or permission. This course is offered every odd-numbered spring.

Credits: 3

## **BUS 2420 - Effective Management Presentations**

Writing clear, concise, effective letters, memos, proposals, reports, instructions, manuals, and specifications for clients, employees, investors, and managers is the primary focus of this course. Students learn to synthesize quantitative data, to convey technical information in clear English, and to summarize and highlight key issues and points to facilitate effective management decision-making. Students also learn to use computer software to produce clear, concise, and professional charts, tables, and graphs that effectively complement what they write and present orally.

### **Prerequisites & Notes**

The prerequisites are BUS 1010, BUS 1210 and ENG 1051. This course is offered every semester.

Credits: 3

## **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 3030 - Customer Satisfaction and Retention**

This course is for people who work with clients or customers. The course is appropriate for all types of organizations: hospitality, health care, professional services, retail, manufacturing, human services, etc. You will learn what customers and clients want, how to measure customer satisfaction, and how to increase customer satisfaction and loyalty. The course includes findings of recent research, surveying techniques, operations improvement strategies, and reports from leading practitioners. The course includes case studies, in-class and on-site exercises, and current readings.

**Prerequisites & Notes**

The prerequisite is junior standing or permission.

Credits: 3

**BUS 3120 - Business and Financial Reporting Software**

Students familiar with current operating systems and office programs will learn additional business and financial reporting applications. The emphasis is on software such as QuickBooks Pro and Peachtree Accounting, the current state-of-the-art accounting software programs for small business.

**Prerequisites & Notes**

The prerequisites are BUS 1210, ACC 2121, and ACC 2122 or permission. This course is offered every even-numbered fall.

Credits: 3

**BUS 3131 - Business Law I**

Business Law I introduces the general legal aspects of business, with special emphasis on the law of contracts, real and personal property law and the agency relation.

**Prerequisites & Notes**

This course is offered every semester.

Credits: 3

**BUS 3132 - Business Law II**

A continuation of Business Law I, this course emphasizes the Uniform Commercial Code, sales and commercial paper, corporations and partnerships.

**Prerequisites & Notes**

The prerequisite is BUS 3131. This course is offered every even-numbered fall.

Credits: 3

**BUS 3150 - Production/Operations Management**

This survey course develops administrative skills needed to manage efficiently the several elements of production—materials, facilities and manpower. Quantitative models (Management Science) are used to optimize the efficient use of resources.

**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 studies tasks faced by the sales manager and provides a detailed examination of the specialized tools and techniques needed to cope with requirements used to design territories, hire, train and analyze the sales force, and develop compensation packages. The course includes a review of basic personal selling skills as they relate to training professional sales personnel.

### **Prerequisites & Notes**

The prerequisite is BUS 2230 or permission. This course is offered every even-numbered spring.

Credits: 3

## **BUS 3210 - Advertising Management**

This course provides the potential manager with a specific process to follow in developing effective advertising programs, the heart of which is the marketing plan. A background understanding of advertising management is provided. The instruction examines consumers, products and market analysis as sources of objectives for programs and reviews the budget process and control processes in that they are important aspects of advertising programs.

### **Prerequisites & Notes**

The prerequisites are BUS 2230 or permission. This course is offered every even-numbered fall.

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. The instruction covers such topics as working capital management, the capital-budgeting process and long-term financing.

### **Prerequisites & Notes**

The prerequisites are ACC 2122, ECO 2020, MAT 2021 and junior standing or permission. This course is offered every semester.

Credits: 3

## **BUS 3240 - International Business**

This course examines management and its application to international operations in the global economy. 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 constraints and cultural/social issues involved in financing, producing, and marketing in foreign countries. International Business provides the opportunity to compare and contrast national and international operations by studying a variety of countries, and to analyze the myriad of challenges and opportunities existing in the global business arena through the use of case studies.

### **Prerequisites & Notes**

The prerequisite is junior standing or permission. This course is offered every semester, including summer.

Credits: 3

## **BUS 3250 - Organizational Behavior in Business**

This course provides an analysis of business organization through the use of behavioral sciences as related to the management of enterprises. The instruction emphasizes the development of individuals and groups within the business environment. Selection, training, motivation, leadership and organization theory are among the topics covered.

**Prerequisites & Notes**

The prerequisite is BUS 2020. This course is offered every spring.

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 - Entrepreneurship**

This course gives an opportunity for students to learn how to identify attractive business opportunities and how to secure key resources and customers in the start-up phase. The course focuses on the elements necessary to succeed in small businesses.

**Prerequisites & Notes**

The prerequisites are junior standing and ACC 2122, BUS 1010, BUS 2020 and BUS 2230. This course is offered every fall.

Credits: 3

## **BUS 3360 - The Small Business Plan**

This course provides a first experience in converting business decisions and assumptions into cash flows and other important schedules. The course focuses on the process of drafting a business plan by translating a concept into actual steps and projections. Software such as PowerPoint and Excel is used to build an attractive presentation creatively and effectively.

**Prerequisites & Notes**

The prerequisite is BUS 3350 or permission. This course is offered every spring.

Credits: 3

## **BUS 3450 - Information Technology**

This course surveys the essential elements of modern information technology while emphasizing the critical role business management plays in the effective deployment and management of information technology. Instruction provides an overview of current technology requirements and trends, information technology infrastructure, management information systems, and other key functional enterprise business applications in use today covering the world of e-business. Topics will be presented from the perspective of identifying the emerging business opportunities and management challenges technology change provides, emphasizing the critical role of defining requirements, establishing priorities, providing funding, and approving systems for deployment in support of the organizations strategic and operational goals and objectives.

**Prerequisites & Notes**

The prerequisite is junior standing or permission. The course is offered every even-numbered fall.



Credits: 3

### **BUS 3810 - Business Internship**

The Business Internship provides 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. One to six credits may be counted for Business concentrations only with the approval of the Business Department. Credits for Business Concentration above six credits are reserved for students with broad business experience and must have approval of the Business Department.

#### **Prerequisites & Notes**

This course is offered every semester.

Credits: 3

### **BUS 4020 - Small Business Problems**

This course provides students an opportunity to work with area businesses in order to learn about non-confidential problems and strategy. This course allows students to understand how managers develop strategies including, but not limited to, change, control, growth and competitive advantage in order to understand how managers approach problem solving. The students will not only have practicum on existing businesses, but will also dissect businesses using annual reports and public information. Case studies and /or computer simulation may also be used to identify strategy decision making.

#### **Prerequisites & Notes**

The prerequisites are BUS 4240, 4260 and 4270 or permission. There is a lab fee. This course is offered every spring.

Credits: 4

### **BUS 4030 - Marketing Research**

This course provides students with hands-on experience with marketing research. 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 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 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 4030L - Marketing Research Special Projects**

This course is open only to students currently enrolled in BUS 4030. It is a second-half course for students undertaking extensive research projects.

#### **Prerequisites & Notes**

The prerequisites are concurrent enrollment in BUS 4030 and permission. This course is offered every odd-numbered fall.

Credits: 1

## **BUS 4060 - Strategic Management**

The instruction uses theory and cases so that students first learn to recognize how strategy emerges as a pattern of decisions, revealing the competitive position of the firm. The instruction determines what conflicts, consistencies, interests mark the pattern so that finally students anticipate the next series of interlocking problems and make recommendations for advancing the strategy.

### **Prerequisites & Notes**

The prerequisites are BUS 2230, BUS 3230 and BUS 3150, or permission. This course is offered every spring and summer.

Credits: 3

## **BUS 4120 - The Operating Manager**

The instruction focuses on the general manager's relationship to the production and operations management function. The instruction allows students the opportunity to concentrate on developing three skills: (1) the ability to describe and understand the operating process, (2) the ability to analyze and measure this process, and (3) the ability to develop and evaluate plans for changing the operating process within the context of the entire organization and its strategy. The instruction includes lectures, case studies and pertinent readings.

### **Prerequisites & Notes**

The prerequisites are ACC 2121 and BUS 3150, or permission. This course is offered every even-numbered fall.

Credits: 3

## **BUS 4150 - Quantitative Business Decision-Making**

The course introduces the principles of applying mathematical thinking and quantitative models to solving decision problems. Specific models that are commonly applied to business problems, decision trees, linear programming, dynamic programming, transportation problems, queuing theory, Markov processes, simulation, are taught as practical applications of these ideas.

### **Prerequisites & Notes**

The prerequisite is MAT 2021, or permission. This course is offered every odd-numbered fall.

Credits: 3

## **BUS 4160 - Financial Analysis**

The course teaches the techniques and applications of financial theory through case study. The instruction includes the exploration of such issues as working capital management, capital budgeting, cost of capital, and valuation and topics may include: mergers and divestitures, bankruptcy, dividend theory, and options.

### **Prerequisites & Notes**

The prerequisite is BUS 3230 or permission. This course is offered every even-numbered spring.

Credits: 3

## **BUS 4240 - Small Business Marketing and Sales**

This course is an advanced marketing course in which students apply marketing concepts, theories, and models to the special needs of small businesses. This course is appropriate for small business managers and for those providing marketing services to small businesses. The course includes interactive case studies.

**Prerequisites & Notes**

The prerequisite is BUS 2230. This course is offered every odd-numbered spring.

Credits: 3

## **BUS 4260 - Financing and Financial Management of Emerging Enterprises**

This course will deal with the various methods of financing entrepreneurial ventures: debt financing from venture banks, commercial banks and Small Business Investment Companies and equity financing from angels, private placements, venture capitalists and the public equity market. Students will prepare financial plans and will also learn to manage working capital management, cash flow, capital budgeting, breakeven analysis and other tools while growing a new venture.

**Prerequisites & Notes**

The prerequisite is BUS 3350 or permission. This course is offered every fall.

Credits: 3

## **BUS 4420 - e-Commerce Sales and Marketing**

This course covers the sales and marketing of e-commerce solutions. Students learn techniques to manage the e-commerce sales strategy through case studies. Students also study the different marketing techniques used on the Internet with special emphasis on multi-channel marketing and customer service.

**Prerequisites & Notes**

The prerequisite is BUS 2230 or permission.

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 fall.

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**

This is a one-semester survey of principles of general chemistry, with emphasis on concepts that are fundamental to an understanding of physiology. 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**

[Choice:NS] This is the first course of a two-semester sequence that provides an introduction for Science majors to the principles of chemistry. The first semester treats 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 1/2-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**

This is the second course of a two-semester sequence that provides an introduction for Science 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 1/2-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 1033 - Accelerated General Chemistry**

This is a one-semester course for meteorology majors or other students requiring intensive general chemistry. Topics covered include atomic structure, periodic properties, bonding, nomenclature, stoichiometry, structure of molecules, polarity, properties of water, thermodynamics, phase changes, electrochemistry, gas laws, equilibrium, acid/base chemistry, introduction to organic chemistry, and a special topic of the students' choice. The course requires three classroom hours and one 2-hour lab per week.

### **Prerequisites & Notes**

The prerequisite is MAT 1410 or permission. High school chemistry is strongly recommended. There is a lab fee. This course is offered every odd-numbered spring.

Credits: 4

## **CHE 2020 - Introduction to Environmental Chemistry**

This course is designed to present essential concepts in chemistry, to provide a foundation for a deeper understanding of the chemical processes that occur in the natural world, and to provide background for a deeper understanding of the earth sciences, biological sciences, and environmental sciences. Topics covered include properties of matter, making measurements, dimensional analysis, atomic structure, the periodic table, periodic properties of elements, selected types of chemical reactions, writing and balancing chemical equations, expressing concentration, the structure and properties of water, the structure and properties of selected organic molecules, energy changes in chemical and physical processes, rates of chemical reactions, nuclear decay, and chemical equilibrium.

### **Prerequisites & Notes**

The prerequisite is MAT 1020. 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 the chemistry related to environmental problems. The instruction emphasizes the nature and properties of pollutants, and their interactions with each other and the environment. Particular attention is paid to the chemistry of aquatic systems.

**Prerequisites & Notes**

The prerequisite is CHE 1032 or CHE 1020. 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 even-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 odd-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 1090 - Object Oriented Problem Solving**

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.

**Prerequisites & Notes**

This course is offered every even-numbered fall.

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.

**Prerequisites & Notes**

This course is offered every odd-numbered fall.

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.

**Prerequisites & Notes**

This course is offered every spring.

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.

**Prerequisites & Notes**

This course is offered every spring.

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.

**Prerequisites & Notes**

This course is offered every spring.

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. This course is offered every spring.

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 spring.

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 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. This course is offered every even-numbered fall.

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 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 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 2011. 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**

[Choice: SS] 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**

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 3210 - Punishment and Corrections**

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 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

## **Economics**

### **ECO 2020 - Macroeconomics**

[Choice:SS] This course introduces basic macroeconomic theory and its application to current economic problems. The course includes the study of determinants of economic activity (such as consumption, investment, government purchases and exports), the level of employment and unemployment, the general price level, and monetary theory.

### **Prerequisites & Notes**

The prerequisite is math competency. This course is offered every semester.

Credits: 3

### **ECO 2030 - Microeconomics**

[Choice:SS] This course continues the introduction of basic microeconomic theory of consumer choice, production and costs of the firm, market structures, factor markets, and the distribution of income; social and environmental costs (pollution) and benefits.

### **Prerequisites & Notes**

The prerequisite is math competency. This course is offered every semester.

Credits: 3

### **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 1010 - Supporting Students With Challenging Behaviors**

This course introduces participants to the basic principles of managing and changing common problem behaviors. Topics include understanding the causes of problem behavior, data collection, and methods for preventing and replacing problem behaviors. Functional behavioral assessment (FBA) and function-based interventions (FBI) are emphasized.

Credits: 2

**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 2240 - Instructional Planning**

This course introduces students to the process of developing standards-based lessons. Students will develop skill in creating goals and objectives, instructional strategies and assessments that are aligned with each other and standards based. In addition students will learn to modify plans and instruction based on the assessment of student progress.

### **Prerequisites & Notes**

This course is to be taken concurrently with EDU 2840. The course is offered every fall.

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**

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, and EDU 3020 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.

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 are analyzed, and intervention plans are developed and implemented, if possible.

**Prerequisites & Notes**

The course must be taken concurrently with EDU 3810. The course is offered every spring.

Credits: 2

**EDU 3325 - Teaching Over Time: Curriculum Development**

This course assists students develop the ability to plan, implement and evaluate instruction over time. Students will plan standards-based units of instruction for use in their field practicum, and for inclusion in their licensure portfolio. The course will also introduce students to methods for organizing time, resources and instructional materials.

**Prerequisites & Notes**

This course must be taken concurrently with EDU 3810. The course is offered every spring.

Credits: 2

## **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. The course is offered every spring.

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 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, EDU 3020 and EDU 3320 with a passing grade of C- or better, or permission. Students take the Praxis II test as a program requirement. There is a lab fee. This course is offered every fall.

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 is 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 developing professional relationships and working collaboratively with one's colleagues, developing teaching skills that address the needs of all children, and developing an effective teaching style. Each student is assigned two mentors - a professor and a teacher in the field - to introduce him or her 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 2240, EDU 2250, EDU 2840, EDU 3020, 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, EDU 3325, 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 2110, or permission. This course is offered every spring.

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 3310 and EDU 2110 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 2110 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. The 7 credit option is only available in conjunction with EDU 4890 Teaching Middle Grades for a total student teaching experience of eighteen weeks.

#### **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

## **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 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**

[Choice:AR] 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**

[Choice:HU] 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**

[Choice:AR] 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**

[Choice:AR] 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**

[Choice:AR] This course explores the theory and practice of reporting across media platforms. The instruction allows students to construct journalistic 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 (EJA majors should have successfully completed EJA 1010, EJA 1020, ENG 2040, EJA 2050, EJA 2051, EJA 2130). There is a lab fee. This course is offered every semester.

Credits: 3

## **ENG 2240 - Greek and Roman Classics**

[Choice:HU] 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 - Approaches to Literature**

[Choice:HU] This course provides an introduction to literature and methods of literary analysis. Beginning with an exploration of the essential categories and vocabulary of literature and literary 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, and cultural criticism. Students will learn how these theories can be applied to specific genres and texts.

### **Prerequisites & Notes**

The prerequisites are ENG 1052 and HUM 1030. 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**

[Choice:HU] 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**

[Choice:HU] 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**

[Choice:HU] 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**

[Choice:HU] 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 even-numbered spring.

Credits: 3

### **ENG 2480 - Survey of Literary Non-Fiction**

[Choice:HU] 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**

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**

[Choice:HU] 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**

This workshop studies the techniques of writing fiction and poetry, 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 be counted only once toward program requirements.

**Prerequisites & Notes**

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**

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**

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 3150 - Creative Non-Fiction: From Pre-writing to Publication**

This class is a workshop in writing non-fiction and includes such forms as article, documentary, report, interview, essay, criticism, humor, profile, journal, how-to, personal narrative, review, and more. The course stresses both research and writing 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 be counted only once toward program requirements.

#### **Prerequisites & Notes**

The prerequisite is ENG 2020 or permission. This course is offered every spring.

Credits: 3

### **ENG 3240 - The Bible as Literature**

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 odd-numbered fall.

Credits: 3

### **ENG 3250 - Myths and Mythologies**

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 even-numbered fall.

Credits: 3

### **ENG 3255 - Folklore, Fairytales, and Children's Literature**

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 odd-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. This course is offered every odd-numbered spring.

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. This course is offered every even-numbered spring.

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**

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**

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 - Methods of Teaching Writing**

This course provides an overview of the basic theories and practices current in composition studies. While the main focus is on methods of teaching writing as process, the course also explores structuring writing assignments, responding to student writing, portfolio evaluation, the place of grammar instruction and/or readings in a writing course, and teaching writing as critical thinking. Students are encouraged to explore their views and beliefs about teaching and to gain hands-on experience with the methods discussed.

#### **Prerequisites & Notes**

The prerequisite or co-requisite is ENG 2020. 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, in the Vermont Center for Community Journalism, or may design projects of their own. Emphasis is placed on gaining day-to-day practical knowledge of reporting, writing, and other journalistic skills under deadline pressure. This course may be taken for a total of six credits with permission, but only three credits may count toward ENG degree requirements; EJA students will take the course once for 6 credits.

### **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 or 6

## **ENG 4240 - Major Author Seminar**

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**

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.

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. EJA majors will be involved in the work of the Vermont Center for Community Journalism with students in the eConvergence Portfolio courses.

**Prerequisites & Notes**

This course is offered every semester.

Credits: 3

## **Environmental Science**

### **ENV 2040 - Introduction to Environmental Restoration**

[Choice:NS} 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**

[Choice:NS] 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 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 Instrumentation**

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 presents the impact of hazardous emissions, their production and transport in the environment, water, air, and soil pollution, nuclear waste and waste disposal, environmental techniques and instrumentation, environmental regulations, and some case studies.

**Prerequisites & Notes**

The prerequisites are one chemistry course and MAT 1410, or permission. There is a lab fee. This course is offered every odd-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

## **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 1255. There is a lab fee.

Credits: 1 - 3

### **XSC 2050 - Human Gross Anatomy**

[Choice:NS] 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.

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 prerequisites are XSC 2050 and XSC 2055, or permission. 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 BIO 2011 and BIO 2012, or 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. In conjunction with two other courses (Care & Prevention of Athletic Injuries and Coaching Methods) this class forms the foundation for Bronze Level certification in the American Sport Education Program (ASEP), which is required by the Vermont Principals' Association (VPA) for employment as a coach in scholastic athletics in Vermont.

**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 prerequisites are BIO 2011, BIO 2012 or 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 or 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 3120. 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.

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 prerequisites are XSC 3120, XSC 4090, and senior standing, 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 4130 and senior standing, or 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**

[Choice:AR] 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 is ENG 1051 or permission. There is a lab fee. This course is offered every semester.

Credits: 3

## **FLM 2010 - History of Cinema**

[Choice:HU] 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**

[Choice:HU] 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**

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**

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**

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**

[Choice:OC] 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**

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 1010 - Applied Techniques in Thematic Mapping and Data Base Management**

This course introduces basic data base querying techniques in order to allow students to generate thematic maps using political boundary polygons such as ZIP code, town, county and state.

**Prerequisites & Notes**

This course is offered every spring.

Credits: 1

## **GIS 1020 - Applied Techniques in Geocode Mapping and Data Base Management**

This course introduces techniques for address matching on vector lines coverages. Students apply address matching on both natural and political lines coverages such as: streams, boundaries, and streets.

### **Prerequisites & Notes**

This course is offered every spring.

Credits: 1

## **GIS 1030 - Mapping Applications using U.S. Census TIGER Line Files and Census Data**

This course integrates census political lines files such as streets and political boundaries and census data through two GIS software applications: ArcView and LandView.

### **Prerequisites & Notes**

This course is offered every spring.

Credits: 1

## **GIS 1040 - Applied Field Techniques in Global Positioning Systems (GPS) and Data Base Management**

This course introduces the basic concepts of the GPS satellite constellation network along with fundamental explanation of data collection. A major focus of this course is on operation and data collection field and processing techniques using the Trimble Pro-XL and Pathfinder software.

### **Prerequisites & Notes**

This course is offered every fall.

Credits: 3

## **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 and Network Analysis Techniques in Geographic Information Systems**

This course builds upon basic GIS spatial analytical techniques and expands upon GIS spatial analytical techniques such as best route modeling, girding, overlaying and aggregation techniques. This course also introduces concepts of both vector and raster based GIS applications.

### **Prerequisites & Notes**

This course is offered every spring.

Credits: 3

## **GIS 2020 - Computer Operating Systems for Geographic Information and Global Positioning Systems Peripherals**

This course introduces MSDOS memory and configuring management techniques required to establish proper working environments for both GIS and GPS peripherals and software.

### **Prerequisites & Notes**

This course is offered every spring.

Credits: 3

## **GIS 3010 - Introduction to Analysis of Remote Satellite Digital Imagery**

This course introduces Satellite Imagery using a raster based GIS software, Idrisi. Students primarily work with prescribed images from around the world developing analysis skills for working on a local image.

### **Prerequisites & Notes**

The prerequisite is GIS 1050 or OER 1410. This course is offered every fall.

Credits: 3

## **GIS 3020 - Practical Applications with Satellite Digital Imagery**

This course builds on digital imagery analysis skills from the Introduction course. Students work with Landsat TM images of the Northeast Kingdom in small group projects in collaboration with state, local and federal agencies.

### **Prerequisites & Notes**

The prerequisite is GIS 3010. This course is offered every spring.

Credits: 3

## **GIS 3830 - Field Internship in GIS/GPS**

A practical field-related internship experience in a GIS and/or GPS related position is the foundation for this course. Students must have the opportunity to explore and work in at least several of the many departments within a chosen work environment such as, but not limited to: scheduling, budgeting, ordering, and mapping. Seventy hours of work related experience is the equivalent of one college credit.

### **Prerequisites & Notes**

The prerequisite is a minimum of 18 hours of Associates Degree in Applied GIS/GPS core (GIS and CIS course designations). This course is offered every spring.

Credits: 3 to 6

## **Geography**

### **GEO 1010 - Introduction to Geography**

[Choice:SS] 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**

[Choice:NS] 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 spring.

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. The instruction attempts to make this geologic history consistent with Plate Tectonic (Continental Drift) Theory. 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 at least three all-day field trips to localities within an area bounded by the Connecticut

Valley of northern Massachusetts, the St. Lawrence Lowland near Montreal, and 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 3113 - Geology III**

This course explores structural geology and geomorphology in the context of regional geology. Fieldwork is expected. Detailed study of geologic processes, structures and landforms will include construction of geologic maps and cross-sections. Two classroom and three lab hours per week.

### **Prerequisites & Notes**

The prerequisites are GEY 1111 and GEY 2112. There is a lab fee. This course is offered every even 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**

[Choice:OC] 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

## **Graphic Design**

### **GDS 1025 - Typography for Design**

This course offers a study of the design and use of basic letter forms. 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

### **GDS 2015 - Illustration Software for Design**

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 prerequisites are ART 1011 and ART 1140. This course is offered every semester. There is a lab fee.

Credits: 3

### **GDS 2025 - Photographic Manipulation Software for Design**

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 by manipulating and altering photographic imagery, by selecting, specifying, and changing spot color; and by isolating, combining, and manipulating only selected areas of images. The instruction eventually covers more creative challenges involving typographic and photographic special effects. Knowledge of photography is helpful, but not essential.

**Prerequisites & Notes**

The prerequisite is ART 1140. This course is offered every semester. There is a lab fee.

Credits: 3

## **GDS 2035 - Page Layout Software for Design**

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 ART 1140 and GDS 1025. There is a lab fee. This course is offered every semester.

Credits: 3

## **GDS 2050 - Illustration**

Students in this course expand their 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 graphic design students to help them maximize their individual abilities.

**Prerequisites & Notes**

The prerequisites are ART 1011, ART 2020 and GDS 2025. There is a lab fee. This course is offered every spring semester.

Credits: 3

## **GDS 2055 - Onsite Illustration**

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**

The prerequisite is ART 2012 or permission. There is a lab fee. This course is offered every even-numbered summer.

Credits: 3

## **GDS 2060 - Design for Screen Printing**

This course explores the manual, photographic, and electronic aspects of silk screen printing. Since the application of this medium for the designer are enormous, the creative nature of this medium will be stressed as well as the technical aspects.



**Prerequisites & Notes**

The prerequisite is GDS 2015 or permission. There is a lab fee.

Credits: 3

**GDS 3035 - Advanced Typography/Layout**

This course will explore an advanced study of typography and its role in the structure of communications. The student will study major components in visual communication from books to posters. Exploring the micro-aesthetics of type, weight, size, and relationships to secondary forms, the student will research and layout complex compositions using advanced typographic skills. The class will consist of deconstructing and reconstructing layouts to express tone, message, and meaning.

**Prerequisites & Notes**

Prerequisites are ART 2020 and GDS 2035. There is a lab fee. This course is offered every spring.

Credits: 3

**GDS 3050 - 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 GDS 2050. There is a lab fee. This course is offered every odd-numbered fall.

Credits: 3

**GDS 3111 - Design for Print**

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, proofing 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 prerequisites are ART 2020 and GDS 2035. There is a lab fee. This course is offered every semester.

Credits: 3

**GDS 3120 - Book Design and Publishing**

The goals of this course include an understanding of the requirements specific to designing within the constraints of book publishing standards. During this course, the student learns to conceptualize and brainstorm for successful cover designs, write interior specifications for both design and print, produce multiple-page textbook layouts, explore various bindery options, and implement the details necessary for the production of book jackets, hard-bound, and soft-bound editions.

**Prerequisites & Notes**

The prerequisites are GDS 3111 and ENG 2020. There is a lab fee. This course is offered every odd-numbered fall.

Credits: 3

## **GDS 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 GDS 3111 and ENG 2020. There is a lab fee. This course is offered every spring.

Credits: 3

## **GDS 4010 - Designing a Portfolio**

Structured for senior visual arts 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 as many of the skills as the designer possesses.

### **Prerequisites & Notes**

The prerequisites are formal acceptance to the major and instructor permission. There is a lab fee. This course is offered every spring.

Credits: 2

## **GDS 4020 - Branding and Corporate Identity**

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 GDS 3111, ENG 2020, and formal acceptance to the major. There is a lab fee. The course will be offered every fall.

Credits: 3

## **GDS 4025 - Advanced Design Software**

This course examines advanced techniques of computer-aided design and how to work efficiently between software applications. Students will execute studio projects that will further the scope and depth of their portfolios. Part of the term is dedicated to an in-depth exploration of photo-imaging software, focusing on methods to increase quality, creativity, and productivity.

### **Prerequisites & Notes**

The prerequisites are GDS 2015 and GDS 2035. There is a lab fee. This course is offered every even-numbered fall.

Credits: 3

## **GDS 4050 - Visual Narrative**

In this course students will learn 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 GDS 2050, ART 3031, and ENG 2020. There is a lab fee. This course is offered every even-numbered fall.

Credits: 3

## **GDS 4710 - Special Topics in Graphic Design**

This course offers topics of special interest in a variety of areas of graphic design studies which are not extensively treated in regular scheduled course offerings. Topics may be of either advanced undergraduate or graduate level. The course may be repeated once and may require a lab fee.

**Prerequisites & Notes**

The prerequisite is instructor permission.

Credits: 1 to 4

## **GDS 4720 - Senior Seminar**

This seminar provides advanced small group learning and exploration in an area of the Graphic Design 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 it may include a lab fee.

Credits: 1 to 3

## **GDS 4811 - Graphic Design Internship**

Graphic Design Internship offers students the opportunity to gain “on the job” work experience in graphic 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. See also the section on Cooperative Education elsewhere in this catalog.

**Prerequisites & Notes**

The prerequisites are GDS 3111, ENG 2020, and a “B” or better average in the major. This course may be repeated for credit, but cumulative credits for GDS 4811 and GDS 4812 cannot exceed 12 credit hours. This course is offered every semester.

Credits: 1 to 6

## **GDS 4812 - Graphic Design Studio**

Graphic Design Studio offers students the opportunity 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, preflight files for press, and negotiate printing. In addition, focus will be placed on the development of production schedules, job documentation, and other project management skills.

**Prerequisites & Notes**

The prerequisites are GDS 3111, ENG 2020, formal acceptance to the major and instructor permission. Students need to apply in advance by submitting a portfolio. This course may be repeated for credit, but cumulative credits for GDS 4811 and GDS 4812 cannot exceed 12 credit hours. There is a lab fee. This course is offered every spring.

Credits: 3 to 6

**GDS 4920 - Independent Study in Graphic Design**

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.

Credits: 3

**History****HIS 1011 - Western Civilization I**

[Choice:HU] 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**

[Choice:HU] 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**

[Choice:HU] 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**

[Choice:HU] 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**

[Choice:HU] 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 2330 - Traditional Asia**

[Choice:HU] This course introduces students to continuity and change in the politics, economy, social structure, religion and culture of Eastern, Southeastern and Southern Asia examining such topics as geographic influences, structures of beliefs and development of religion, culture, and arts. This course emphasizes the impact of the encounter with the Western World and contemporary issues confronting these countries. The use of novels, memoirs, and films will complement historical analysis.

### **Prerequisites & Notes**

The prerequisite is sophomore standing. This course is offered every odd-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**

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**

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**

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**

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 3310 - 18th and 19th Centuries Europe**

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 even-numbered fall.

Credits: 3

### **HIS 3330 - Europe since 1914**

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 odd-numbered fall.

Credits: 3

### **HIS 3440 - Modern Russia**

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 junior standing or permission. This course is offered every odd-numbered spring.

Credits: 3

### **HIS 3530 - Modern East and Southeast Asia**

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 junior standing or permission.

Credits: 3

### **HIS 3540 - Modern South Asia**

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 junior standing or permission.

Credits: 3

### **HIS 3550 - The Islamic World**

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 junior 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**

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: 2

**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 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 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.

**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 and exponential 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, matrix algebra, 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 spring.

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, conics, complex numbers, and systems of equations.

**Prerequisites & Notes**

The prerequisite is MAT 1020 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. 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, volume, 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. Core topics are sets, functions, logic and proof. Emphasis is on precisely written mathematical definitions, theorems and proofs.

**Prerequisites & Notes**

The prerequisite is MAT 1531 passed at a level of C- or higher, or permission. The course is offered every 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, 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**

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 even-numbered fall.

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 odd-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, series solutions, existence and uniqueness of solutions, and applications.

**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 3740 - Topics in Number Theory**

This course explores such topics as divisibility and unique factorization, prime numbers, Diophantine equations, linear and quadratic congruence of numbers, and quadratic reciprocity.

**Prerequisites & Notes**

The prerequisite is MAT 2210, passed with a grade of C- or higher, or permission. This course is offered every odd-numbered spring.

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, MAT3310, 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 odd-numbered fall.

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 spring.

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**

[Choice:SS] 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. The course is offered every spring.

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 Theory and Practice**

[Choice:SS] 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 spring.

Credits: 3

### **MRM 1110 - Introduction to Adventure Programming**

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. Field trip experiences introduce students to a wide variety of adventure-based activities.

#### **Prerequisites & Notes**

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

Credits: 3

### **MRM 1120 - Outdoor Adventure Skills**

This course practices specific outdoor adventure skills, including such seasonal activities 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 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 Ski Resort Management**

Introduction to Ski Resort Management offers an overview of the specific mountain and management operations of ski 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/Recreation Practicum**

This course acquaints students with various types of environmental settings. The instruction offers classroom learning in the spring semester and outdoor learning in local mountains and rivers one week following the spring semester or prior to the fall semester. The instruction offers competency for those students who may later serve as student leaders for the practicum. Register for second-half mini course.

### **Prerequisites & Notes**

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 2060 - Wilderness First Responder Procedures**

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: 4

## **MRM 2130 - Wilderness Mind**

[Choice:OC] 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 2820 - Field Practicum in Natural Resource GIS Mapping and Planning**

This is an experiential course for students interested in applying field techniques for GPS and GIS mapping. Field projects are generally contracted projects for other State, Federal, and /or private agencies. Students have an opportunity in this course to apply classroom theory and hands on technological applications while under the supervision of trained professionals. MRM 2830 is offered every fall; MRM 2820 is a spring semester option which is primarily for transfer and pre-approved projects.

### **Prerequisites & Notes**

The prerequisites are sophomore standing and permission. There is a lab fee. This course is offered every semester.

Credits: 4

### **MRM 2830 - Field Practicum in Natural Resource GIS Mapping and Planning**

This is an experiential course for students interested in applying field techniques for GPS and GIS mapping. Field projects are generally contracted projects for other State, Federal, and /or private agencies. Students have an opportunity in this course to apply classroom theory and hands on technological applications while under the supervision of trained professionals. MRM 2830 is offered every fall; MRM 2820 is a spring semester option which is primarily for transfer and pre-approved projects.

#### **Prerequisites & Notes**

The prerequisites are sophomore standing and permission. There is a lab fee. This course is offered every semester.

Credits: 4

### **MRM 2841 - Field Practicum in Ski Resort Management**

This course allows students concentrating in ski resort management an opportunity to participate in hands-on learning at various ski resorts participating in fall mountain operations work (MRM 2841) 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 - Field Practicum in Ski Resort Management**

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 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 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 in the Resort Industry**

This course helps students appreciate and understand both the needs and techniques for identifying and managing risks to employees, guests, and property in the resort industry. This course focuses on identification and control of risk, incident investigation, and increasing employee and public awareness of potential risk.

### **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 3080 - Environmental Policy, Politics and the Law**

This course provides an orientation to the process and policy of laws and ethical issues that govern the management of natural resources. This course includes topics such as multiple-use of private and public lands, balancing conservation and preservation practices and policy, and a cross discipline examination of ideas, beliefs, values, and actions regarding environmental policies, laws and practices. This upper-level course requires a basic understanding of and ability to report applied research, data collection techniques and methodologies.

### **Prerequisites & Notes**

The prerequisite is junior standing or permission. This course is offered every fall.

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 3820 - Innovation and Design**

This course introduces students to design principles aimed to enhance or improve quality, efficiency and/or effectiveness of mountain recreation leadership, operations or management. Individualized demonstration projects may relate to products, processes or services and may include collaboration with a partner organization(s). Experiential activities include need identification, project planning, cost analysis, and risk management; outcomes expand the student's understanding of such aspects as technology, tools/equipment, systems, fabrication, features, programs, niches, or structures. Pre-determined performance measures are assessed by instructors and advisors or partner(s).

**Prerequisites & Notes**

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

Credits: 3

**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 spring.



Credits: 4

### **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**

[Choice:AR] 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**

[Choice:AR] 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**

[Choice:AR] 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 fall. There is a course fee.

Credits: 3

## **MUS 1042 - Class Piano II**

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 spring. There is a course fee.

Credits: 3

## **MUS 1231 - Music Theory I**

This course introduces students to rhythm exercises, harmony (analysis, written, keyboard), elementary composition, and sight singing. Writing and performance (vocal and keyboard) skills are developed throughout the semester. The course is designed for students who wish to increase their understanding of the materials of music.

### **Prerequisites & Notes**

The prerequisite is MUS 1030 or permission. There is a lab fee. This course will be offered every spring.

Credits: 3

### **MUS 2070 - Basic Songwriting**

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 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**

[Choice:AR] 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**

[Choice:AR] 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 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 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 even-numbered spring.

Credits: 4

## **MUS 3330 - Worlds of Music**

Worlds of Music is a survey course which will supply the student with 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 unique culture's views, values and history.

### **Prerequisites & Notes**

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

Credits: 3

## **MUS 3350 - Music of the Americas**

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 course will be offered every odd-numbered spring.

Credits: 3

## **MUS 4410 - 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 or Arts Management degree. Because the MBI and ARM programs include 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 majors only.

**Prerequisites & Notes**

The course is offered every semester.

Credits: .5

## **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 4810 - Music Industry Internship**

Music industry internship

Credits: 1 to 6

## **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 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**

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

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**

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

Credits: 3

## **MBI 2360 - 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 a ever-evolving industry.

### **Prerequisites & Notes**

There is a lab fee. This course is offered every 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 2360 and sophomore standing. This course is offered every odd-numbered 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 with a recommended co-requisite of MBI 2180. There is a course fee. This course is offered every odd-numbered spring.

Credits: 3

**MBI 3210 - Music Publishing**

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 2360 and junior standing. There is a course fee. This course is offered every spring.

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 2360 and sophomore standing. There is a course fee. This course is offered every even-numbered spring.

Credits: 3

**MBI 3330 - Music Venue Management**

This course examines various aspects relating to music venue management. Study may include topics such as venue selection, customer and competition identification, artist contracts and riders, booking policies, food and beverage service, leases and contracts pertaining to leasing, and good-neighbor relations. Issues concerning city zoning laws and licensing, liability and other

types of insurance, and employee relations may also be covered.

**Prerequisites & Notes**

Prerequisites are MBI 2360 and sophomore standing. There is a course fee. This course is offered every spring.

Credits: 3

**MBI 3810 - Music Industry Production Co-Op**

This course gives third-year students an opportunity to 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 recording techniques and equipment, sound design, and audio manipulation.

**Prerequisites & Notes**

Students must be in good academic standing, must complete all required applications, must be able to meet studio schedules, and must receive advisor approval in order to participate. The prerequisites are MBI 2360 and junior standing. There is a lab fee. This course is offered every semester.

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 even-numbered spring.

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 2360 and junior standing. There is a course fee. This course is offered every fall.

Credits: 3

**MBI 4810 - Music and Performing Arts Internship**

This course is intended to prepare a student for the demands of a career in the music or performing-arts industry. 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 or co-requisite is MBI 3810 and junior standing. There is a course fee. This course is offered every spring semester.

Credits: 3-6

## **New Media Studies**

### **NMS 1015 - Introduction to New Media**

This course introduces students to web interface, site structure, page design, typography, editorial style, and elementary web graphics using image-editing software. Students will also study and explore fundamental web usability topics.

**Prerequisites & Notes**

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

Credits: 3

### **NMS 2010 - Motion Graphics**

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 is NMS 2050. There is a lab fee. This course is offered every spring.

Credits: 3

### **NMS 2050 - Web Design and Digital Imaging**

This course examines the use of digital imaging software and design tools. Students will explore and develop digital images. They will also learn how to include interactivity into their web site designs.

**Prerequisites & Notes**

The prerequisite is NMS 1015. There is a lab fee. This course is offered every semester.

Credits: 3

### **NMS 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 NMS 2010, NMS 2050, CIS 2141, and junior standing, or permission. There is a lab fee. This course is offered every spring.

Credits: 3

### **NMS 3050 - Non-Linear Video Editing**

This course introduces the student to non-linear video and audio editing software. Students will be provided opportunities in shooting/recording, digitizing, editing, and compressing their video and audio so it is Internet ready.

#### **Prerequisites & Notes**

The prerequisite is NMS 2050. There is a lab fee. This course will be offered every fall.

Credits: 3

### **NMS 3060 - 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 1140, NMS 2010, and junior standing, or permission. There is a lab fee. This course is offered every fall.

Credits: 3

### **NMS 3070 - 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 NMS 3060. There is a lab fee. This course is offered every spring.

Credits: 3

### **NMS 3080 - Advanced Motion Graphics**

This course focuses on advanced motion graphics using web animation software. Students will concentrate on designing and developing game animations for the web.

#### **Prerequisites & Notes**

The prerequisite is NMS 2010. There is a lab fee. This course is offered every spring.

Credits: 3

### **NMS 3155 - Advanced Web Design**

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 NMS 2050, CIS 2141, and GDS 2025, or permission. There is a lab fee. This course will be offered every

odd-numbered fall.

Credits: 3

### **NMS 3810 - Special Interests On The Web**

This course provides an opportunity for students to create a web site relevant to the special interests and skills of the students and the expertise of the instructor. Examples of special projects might include an animated web site that links LSC weather data to recreational activities in the Northeast Kingdom of Vermont, or an interactive (menu served) LSC news and music station accessed on the local campus network. The content of this course may vary, depending on the instructor. In that case, the course may be repeated for credit but may be counted only once toward degree program requirements.

#### **Prerequisites & Notes**

The prerequisite is NMS 2050. There is a lab fee. This course is offered every spring.

Credits: 3

### **NMS 4030 - New Media Studio**

This course provides students with the experience of working in a digital media studio. Students will work collaboratively (as a class) or individually (as interns) with community organizations on their digital media project(s). The instructor will supervise and mentor to meet professional digital media standards.

#### **Prerequisites & Notes**

The prerequisites are senior standing in the department and instructor permission. Students need to apply in advance by submitting a portfolio. There is a lab fee. This course is offered every spring.

Credits: 5

### **NMS 4040 - 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 prerequisites are NMS 2010, NMS 3070, and GDS 2025. There is a lab fee. This course is offered every spring.

Credits: 3

### **NMS 4045 - Advanced Motion Graphics Tools**

This course focuses on advanced motion graphics tools in which the animator can advance his or her productivity and depth of knowledge in animation skills. Using web animation software and scripting languages, students will concentrate on designing and developing web game animations.

**Prerequisites & Notes**

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

Credits: 3

**NMS 4055 - Advanced Non-Linear Video Editing**

This course will involve non-linear video editing and the process of creating web-based short films. Students will work in a team environment as part of small film-production company.

**Prerequisites & Notes**

The prerequisite is NMS 3050 or permission. There is a lab fee. This course is offered every even-numbered fall.

Credits: 3

**NMS 4710 - Special Topics in New Media**

The instruction focuses on topics of special interest in a variety of areas of multi- and digital media which are not extensively treated in regularly scheduled course offerings. This course may be repeated once.

**Prerequisites & Notes**

The prerequisite is instructor permission. There is a lab fee.

Credits: 1 to 6

**NMS 4810 - Senior Internship**

Students will plan and develop a major interactive digital media project or serve in an internship with supervision from the instructor.

**Prerequisites & Notes**

The prerequisite is senior standing in the major or consent of the instructor.

Credits: 3 to 9

**NMS 4990 - Portfolio**

This course consists of the completion of the required graduation portfolio, which will be reviewed by a faculty member.

**Prerequisites & Notes**

The prerequisite is senior status. There is a lab fee. This course is offered every spring.

Credits: 3

**Philosophy****PHI 1010 - Introduction to Philosophy**

[Choice:HU] This course is a survey of major philosophical issues, including our knowledge of reality, the nature of the mind and self, the existence of God, the problem of evil, freedom and determinism, morality, and the good life.

Credits: 3

## **PHI 1020 - Critical Thinking**

[Choice:HU] Critical Thinking presents criteria of good reasoning, which leads to greater awareness of how and what we think. The instruction includes methods of argument construction and analysis, as well as critical analysis of arguments in advertising, political rhetoric, and the media.

### **Prerequisites & Notes**

The prerequisite is ENG 1051 or permission. This course is offered every fall.

Credits: 3

## **PHI 1050 - Ethical Practice**

[Choice:HU] 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**

The prerequisite is ENG 1051 or permission. This course is offered every spring.

Credits: 3

## **PHI 2030 - Approaches to Philosophy**

[Choice:HU] 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 1052 or permission. This course is offered every odd-numbered fall.

Credits: 3

## **PHI 2050 - Environmental Philosophy**

[Choice:HU] This course will examine a variety of influential movements and pressing issues in philosophical work concerning the natural environment, especially what, if any, moral responsibilities humans have to the environment and to non-human

animals. Topics addressed may include sustainability, deep ecology, animal rights, eco-feminism, environmental activism, social ecology, eco-phenomenology, and environmental justice.

**Prerequisites & Notes**

The prerequisite is ENG 1052 or permission. This course is offered every even-numbered spring.

Credits: 3

**PHI 2070 - Philosophy of Film and Television**

[Choice:HU] 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 ENG 1052 or permission. This course is offered every even-numbered fall.

Credits: 3

**PHI 2090 - Popular Culture and Philosophy**

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 1052 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**

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 HUM 1030 or permission. This course is offered every odd-numbered spring.

Credits: 3

**PHI 3130 - Philosophies of Gender**

This course introduces the perspectives and issues of feminism in philosophy, including feminist accounts of ethics, social-political theory, metaphysics, philosophy of science, aesthetics, and theories of knowledge. Topics will include historical and contemporary philosophic theories by and about women, as well as social and political issues concerning gender.

**Prerequisites & Notes**

The prerequisite is PHI 2030 or HUM 1030 or permission.

Credits: 3

**PHI 3140 - Philosophies of Art**

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 HUM 1030 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 HUM 1030 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 4010 - Philosophy and Society**

This course pursues a philosophical approach to the relation of individuals and social institutions. Topics considered may include the social dimensions of science and technology, the relations between religion and society, the nature of community, and the role of the media. This course may be repeated with a change of topic, but may count only once toward program requirements.

**Prerequisites & Notes**

The prerequisites are PHI 2030 or HUM 1030 or permission. This course is offered every even-numbered spring.

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 - Physical Education Licensure**

This course introduces teacher education materials that include Vermont's Framework of Standards and Learning Opportunities, Standards for Vermont Educators, NASPE Standards, and Lyndon's requirements for teacher education licensure. The history of physical education and a study of appropriate pedagogy are also components of this course. The course is open to physical education-teacher education (K-12) 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 1050 - Lifeguard Training**

This course follows current American Red Cross criteria for nonsurf lifeguard training. The certificate awarded at the successful completion of the course is valid for three years.

**Prerequisites & Notes**

The prerequisites are First Aid, CPR, and necessary swimming skills. There is a lab fee.

Credits: 1

**PED 1060 - Water Safety**

This course follows the current American Red Cross criteria for Water Safety Instructor certification. The instruction requires both class and an in-pool lab.

**Prerequisites & Notes**

There is a lab fee.

Credits: 2

**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 1140 - Yoga I**

Basic yoga instruction.

Credits: 1

## **PED 1142 - Yoga II**

Yoga II introduces a selection of asanas (poses), pranayama (breathing patterns), and meditation and relaxation techniques to continuing students. Ongoing practice enhances the student's ability to access and direct energy, to stimulate healing on physical, emotional, mental and spiritual levels and to relax—a component critical to the foregoing benefits. Classes combine brief meditations, warm-up stretches, yoga poses, rejuvenating breathing techniques and relaxation. Along with expanding the student's yoga practice, we will continue to explore the integration of yogic teachings with our daily experiences outside of class. Yoga fosters self-awareness and a depth of self-understanding that are powerful and transformative. Through our practice and the sharing of questions, experiences and perspectives, we will create the opportunity for fresh insights and the expansion of each student's self-concept.

### **Prerequisites & Notes**

The prerequisite is Yoga I.

Credits: 1

## **PED 2061 - Educational Sport I**

This laboratory course focuses on acquiring proficiency in a variety of individual sport skills and includes a section introducing adventure-based learning activities. 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 2330 - Design and Management of Health and Fitness Programs**

This course introduces students to the physical, financial, and human aspects inherent in the conception, design and management of health, fitness, racquet, and other sports clubs. Field trips to Vermont clubs are included.

#### **Prerequisites & Notes**

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

Credits: 3

### **PED 2820 - Sophomore Field Experience**

This course provides an early field experience under the guidance and direction of a licensed physical educator. The field work is combined with a weekly seminar. 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 PED 1020. There is a lab fee. This course is offered every spring.

Credits: 2

### **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 3020 - Sports Officiating**

This course is designed as a mini-course that will concentrate on one sport every seven weeks. The interpretation of rules and techniques of a sport will be covered. The course offers students practical experience refereeing community league and intramural games. Arrangements will be made upon completion of the course for students to be tested and evaluated for becoming a rated official. Students may repeat the course with departmental permission.

Credits: 1.5

### **PED 3050 - Recreational Sports Administration**

This course presents a study of intramural, recreational and sports club activities for all ages. The instruction emphasizes organizing and conducting sports programs and tournament events. The student gains practical experience by designing all phases of sports programs. Class projects involve each student conducting different tournament formats.

#### **Prerequisites & Notes**

This course is offered every spring.

Credits: 3

### **PED 3070 - Methods of Teaching Elementary Physical Education**

This course is designed to provide knowledge and experience in organizing and planning a yearly curriculum that includes standard-based activity units addressing the Vermont Framework of Standards and Learning Opportunities. During the practicum section (minimum of 20 hours), students teach their units and conduct authentic skill assessment in an elementary setting.

#### **Prerequisites & Notes**

The prerequisites are junior standing in the licensure program, a two-year portfolio, and a 2.5 GPA. There is a lab fee. This course is offered every fall.

Credits: 4

### **PED 3140 - Methods of Teaching Secondary Physical Education**

This course provides information on the new trends in physical education 7-12. The course provides an opportunity for students to design a yearly curriculum, standard-based physical education units that integrate the Vermont Framework of Standards and Learning Opportunities and the NASPE Standards, and to administer and document authentic skill assessment. A minimum of 25 hours of field work is required on the secondary level.

#### **Prerequisites & Notes**

The prerequisites are PED 3070 and permission. There is a lab fee. This course is offered every spring.

Credits: 4

### **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 4010 - Legal and Ethical Issues in Sports Management**

This course provides the skills necessary to identify and understand potential legal and ethical problems and issues in sports management. Systematic and analytical approaches dealing with ethical and legal dilemmas that may confront an individual in the workplace will be presented, along with risk management strategies.

#### **Prerequisites & Notes**

The prerequisite is senior standing or permission. There is a lab fee. This course is offered every fall.

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**

[Choice:NS] 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**

[Choice:NS] 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**

[Choice:NS] 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**

[Choice:NS] 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**

[Choice:NS] 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**

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**

[Choice:SS] 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**

[Choice:SS] 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**

[Choice:SS] This course compares political institutions and processes of nations in the 21st century.

### **Prerequisites & Notes**

This course is offered every spring.

Credits: 3

### **POS 2040 - International Relations**



[Choice:SS] 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 3020 - Problems in International Relations**

This course studies applied international politics through a close examination of the foreign policies of the major powers and a detailed analysis of underlying problems in contemporary international relations.

**Prerequisites & Notes**

This course is offered every even-numbered fall.

Credits: 3

## **POS 3060 - Vermont Politics**

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**

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**

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**

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**

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 3410 - African Politics**

The course introduces students to the fundamentals of African politics, with special emphasis being placed on sub-Saharan Africa. We will examine historic developments and 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. The course will be offered every even-numbered fall.

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**

[Choice:SS] 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**

[Choice:SS] 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**

[Choice:SS] 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**

[Choice:SS] 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, taken concurrently with PSY 2812, is required of and limited to human services and psychology majors.

### **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 seminar is taken concurrently with PSY 2811. It 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 Human Services and Psychology majors.

### **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 and junior standing, or permission. PSY 2811 and PSY 2812 are strongly recommended as prerequisites. 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**

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 - Adulthood and Aging**

This course takes a life-span approach to exploring the physiological, cognitive, and psychosocial changes that take place throughout adulthood. These changes are examined as longterm consequences of the choices and circumstances surrounding earlier periods of life. Events occurring in early adulthood with respect to their eventual impact later in development are examined as well. As aging is a universal and multi-cultural phenomenon, the influence of race, gender, social class, and culture on developmental processes and outcomes is also considered.

#### **Prerequisites & Notes**

The prerequisites are PSY 1010, PSY 1050 and sophomore standing, or permission. This course is offered every fall.

Credits: 3

### **PSY 3210 - Perspectives on Death and Dying**

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 3811 - Professional Experience**

This experiential course includes supervised educational and professional activity at a conference, symposium, workshop or related psychology or human services event. This course may be repeated when no duplication of experience results.

**Prerequisites & Notes**

The prerequisite is permission. There is a lab fee.

Credits: 1

**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**

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 4130 - Historical Uses and Abuses of Intelligence Testing**

This experiential course compliments PSY 4120 History of Psychology and allows students to explore in greater depth the historical uses and abuses of psychological intelligence testing. Students will learn about the origins, development, and widespread applications of intelligence testing during the early decades of the twentieth century. As part of a field experience, students will travel to NJ/NY to visit Ellis Island where psychologist Henry Goddard and his assistants tested and screened immigrants for psychological deficiencies. The visit to NYC will also include other cultural activities.

### **Prerequisites & Notes**

The co-requisite is PSY 4120 or permission. There is a lab fee.

Credits: 1

## **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 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 - Mental Health Issues for Children and Adolescents**

This course is designed to familiarize students with the DSM-IV 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 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 4210 - Psychopharmacology**

Designed for non-science majors, the course discusses general principles of drug action and classifications of psychoactive drugs in clinical use. The following drugs commonly employed in chemotherapy are discussed: central stimulants, tranquilizers, sedative-hypnotics, opiates, psychedelics, alcohol, marijuana, hormones, and contraceptives. The goal is to provide the student with a general knowledge of the drugs commonly encountered in the mental-health professions.

#### **Prerequisites & Notes**

The prerequisite is nine credits in PSY or permission. 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 - Human Services Internship**

This course is designed as a culminating experience in a setting directly related to the student's professional preparation in Human Services. Students gain on-the-job experience, plus receive group supervision through a seminar. Emphasis is on attaining job related skills, knowledge of institutional dynamics and procedures, applying theoretical constructs, and adhering to ethical standards. Students also assess their professional development and learn about networking and applying for employment upon graduation. Six credits are required for the Human Service degree. It may be repeated for no more than 18 credits toward graduation requirements.

#### **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**

[Choice:OC] 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**

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

## **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**

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 4010 - History of Science**

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 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**

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: 4

**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 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.

#### **Prerequisites & Notes**

The course is limited to juniors fully accepted into the Social Science major.

Credits: 3

## **Sociology**

### **SOC 1010 - Introduction to Sociology**

[Choice:SS] 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 2040 - Race, Ethnicity, Class, and Gender**

An exploration of the historical and contemporary roots of discrimination on the basis of race, ethnicity, class and gender. Issues such as culture, identity and oppression are examined.

Credits: 3

### **SOC 2220 - The Family in Society**

[Choice:SS] 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**

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 3320 - Culture of Deviance**

This course evaluates the theoretical explanations for deviance worldwide using an anthropological/sociological approach. It provides tools and methodologies for predicting and analyzing deviant behaviors locally, regionally, nationally, and globally. Students will be trained in comparative and historical analysis and needs-assessment methods for resolution of conflict.

**Prerequisites & Notes**

This course is offered every odd-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**

[Choice:OC] 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**

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

# Theater

## THA 1040 - Interpreting Contemporary Dramatic Literature

[Choice:AR] 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 spring.

Credits: 3

## THA 1041 - Introduction to Theatre

[Choice:AR] 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 semester.

Credits: 3

## THA 2080 - Theatre Arts in The Dramatic Format

[Choice:AR] 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 other semester.

Credits: 3

## THA 2121 - Acting I

[Choice:AR] 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

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.

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 Practicum**

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, dependent upon contact hours, and assignments are determined by the instructor through the audition process.

**Prerequisites & Notes**

This course is offered every semester.

Credits: 1-3

## **THA 2845 - Theatre Production: 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, dependent upon contact hours, and assignments are solely determined by the instructor.

**Prerequisites & Notes**

This course is offered every semester.

Credits: 1-3

## **THA 3070 - Voices of the American Theatre**

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. This course is offered every odd-numbered fall.

Credits: 3

**THA 3080 - Founders of Modern Drama**

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. This course is offered every even-numbered fall.

Credits: 3

**THA 3160 - House and Box Office Management**

This course is designed to give students a working knowledge of issues associated with both box-office and theatre-house management. Topics relevant to box-office management include the application of business principles to tracking and monitoring ticket sales, supervising box-office personnel, and filing fiscal reports with appropriate agents. The box-office manager answers to the house manager who is responsible for coordinating all front-of-the-house activities, managing the ushers and audience, and organizing head-to-tail operations. The house manager also coordinates with the stage manager to insure that the event will run smoothly.

**Prerequisites & Notes**

The prerequisites are ACC 2121 and THA 2845. There is a course fee. The course is offered every odd-numbered fall.

Credits: 3

**THA 3211 - Directing I**

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 1050 and THA 2080. There is a lab fee.

Credits: 3

**THA 4210 - Theatre Operations Management Techniques**

This course introduces students to the fundamentals of theatre management and supplies them with an overview of the skills needed to successfully run a theatre or performance venue. Study will apply business management principles to the management of theatres. Topics may include advanced instruction in theatrical production, personnel management, theatre operations management, public relations, financial planning and management, promotion and advertising, insurance issues, fund-raising and promotion, and various legal concerns including OSHA regulations related to safe practices for theatre.

**Prerequisites & Notes**

The prerequisites are THA 2845, ENG 3080, and junior standing. This course is offered every even-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 prerequisites are THA 2840, THA 2845, and junior standing. There is a course fee. This course is offered every spring.

Credits: 3-6

## **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

## **Electronic Journalism Arts**

### **EJA 1010 - Introduction to Media Communication**

[Choice:SS] 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 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 1010. 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 broadcast editing styles and techniques. Through the examination of the editing process, students will learn how to develop and enhance their visual communication skills. Course highlights include interpreting and establishing story pace, use of natural sound and incorporation of visual sequences for effective storytelling. Analysis of coursework in progress, as well as finished projects will provide students with real-time assessment of their work to date, and will also allow for individual goal setting for future assignments. Students will utilize Avid editing software, as they navigate through sample and self generated material to produce a DVD portfolio of their work.

**Prerequisites & Notes**

Prerequisites are EJA 1010 and EJA 1020. There is a lab fee. This course must be taken concurrently with EJA 2050 and 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 weekly interviews designed to educate and engage audiences. At first they will edit interviews into short sound bites, and later will learn the art of more sustained conversation for live programs.

**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**

[Choice:HU] 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 fall.

Credits: 3

## **EJA 2810 - VCCJ Practicum I - Editorial**

This course provides an introductory practicum in the Vermont Center for Community Journalism for students in the EJA editorial option and broadcast atmospheric sciences 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**

This course must be taken concurrently with EJA 2843. The prerequisites are EJA 1221, EJA 2135 and EJA 2130. 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 those in the visual option. 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 2135, EJA 2130, and EJA 1221. EJA 2843 is a co-requisite. There is a lab fee. This course is offered every semester.

Credits: 3

## **EJA 2825 - VCCJ Practicum I - Publication**

This course provides an introductory practicum in the Vermont Center for Community Journalism for students in the publication option. Students work for the NewsLINC website and its magazine-style print edition. Instruction covers writing and reporting in a multi-platform environment, along with graphic design components of publication. Approximately 12 to 15 hours per week in the VCCJ newsroom are required.

### **Prerequisites & Notes**

The prerequisite is EJA 2130; EJA 1221 and EJA 2135 are strongly recommended. There is a lab fee. This course is offered every semester.

Credits: 3

## **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 prepares students for both on-camera and off-camera experiences working as a well-oiled news team in the Vermont Center for Community Journalism. In addition to expounding on the content in the introductory performance class, the students will also focus on shaping his or her own unique professional style. Wardrobe choices, script-writing, and recording quality voice-over packages will be highlighted. Students are required work in groups rotating roles within their mock teams to produce video and audio lab projects.

### **Prerequisites & Notes**

The prerequisite is EJA 1221. EJA majors in EJA 2810 or EJA 2820 or EJA 2825 must take this course concurrently. There is a lab fee. 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 3222 - Performance and Presentation II**

This course is for EJA students assigned to their second practicum at the Vermont Center for Community Journalism as video journalists. It offers weekly training opportunities both individually, and in group sessions in the preparation of and performance of live broadcasts and webcasts as well as field interviews and standups. This course must be taken concurrently with EJA 3810.

### **Prerequisites & Notes**

The prerequisite for EJA majors is EJA 2843. For ATM majors, co-requisites are ATM-3331, ATM-4010, and previous completion of EJA 2843. On-camera wardrobe and appearance is 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. Registration is by permission. There is a lab fee. This course is offered every semester.

Credits: 3

## **EJA 3810 - VCCJ Practicum II**

This course continues the experiential learning of Practicum I in the Vermont Center for Community Journalism for students in the Electronic Journalism Arts degree program. Students work in the Vermont Center for Community Journalism as a “one-person band,” or multimedia journalist, for the News 7 broadcast, NewsLINC website, and VCCJ print publication. Approximately 24 to 30 hours per week in the VCCJ newsroom are required. VCCJ multimedia journalists will predominately operate on the “nightside” of the news day. However, they may occasionally be assigned an additional dayside assignment. Field production appearance and demeanor is as prescribed by the faculty of record.

### **Prerequisites & Notes**

This course must be taken concurrently with EJA 3222. The prerequisite is EJA 2810, EJA 2820, or EJA 2825. There is a lab fee. This course is offered every semester.

Credits: 6

## **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 in the visual and editorial options assigned to Vermont Center for Community Journalism in their third practicum. Weekly individual critiques and regular workshops will be required as a means to keep a professional news team performing at its best. Topics will include voice coaching, make-up and dress for the camera, and developing an electronic presentation persona. EJA students in the publication option may take this course or substitute another course approved by the EJA faculty.

**Prerequisites & Notes**

There is a lab fee. 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 LSC-TV interns assigned as News 7 photographers/ editors. Students who enroll in the practicum may also serve as technical directors and/or line directors for News 7 broadcasts. A minimum of 35 hours per week of on-site work at the LSC-TV broadcast facility is required. Field production appearance and demeanor is as prescribed by the faculty of record. This course may be repeated once. 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 4822 - Performance and Presentation IV**

This performance practicum is designed for visual and editorial students in the EJA Convergence Portfolio courses within the Vermont Center for Community Journalism. Weekly individual critiques and regular workshops will be required as a means to keep our professional news team performing at its best. Topics will include voice coaching, make-up and dress for the camera, and developing a portfolio for the post-graduate world. EJA students in ENG 4910 Portfolio/Thesis for the publication option can elect to take this course or substitute another course approved by the EJA faculty.

**Prerequisites & Notes**

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

Credits: 2

## **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 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

## **Student Life**

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

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## 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 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

## **Vermont State College Student Housing Policy**

Lyndon State Colleges Housing Policy complies with the Vermont State Colleges Housing Policy Number 304, approved September 24, 1983, by the Board of Trustees.

It is a condition of admission to Lyndon State College, to the extent that campus housing is available, that unmarried students, students not in a civil union, or whose legal domiciles are not within commuting distance are required to live on campus for two academic years (space permitting). Those accepted as sophomores are required to live on campus for one academic year. Once a housing contract has been signed, the agreement with the college is binding for a full academic year. The Director of Student Life or designee may authorize exceptions due to extraordinary circumstances. In practice, exceptions are granted in the following circumstances:

- Students who are age 24 or older
- Students who have achieved junior standing (according to credit hours)
- Students who are graduates of approved high schools (see list below) and will be commuting from their legal residence in that school district
- Students who have custody of their children
- Students who can document a medical reason for exception (physical or mental health, with documentation from a physician or mental health professional)



- Students who can document a compelling fiscal reason for exception (the Director of Financial Aid makes a recommendation based upon a significant change in financial circumstances since the signing of the contract or an assessment that the student is among the very small percentage of our most fiscally challenged students)
- Limited other cases merit special consideration, but these are very rare

The Director of Student Life, sometimes in consultation with the Associate Dean of Student Affairs, hears requests for exception. The Associate 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 Student Life or designee shall be financially responsible for the full term of the residence hall contract.

## **Commuting Distance for Off-campus Status (45 Driving Miles)**

High schools acceptable for commuting students:

- North: North Country Union High School, Lake Region Union High School, Lyndon Institute
- South: St. Johnsbury Academy, Blue Mountain Union High School, Oxbow Union High School
- West: Danville High School, Cabot High School, Hazen Union High School, Twinfield Union High School, Craftsbury Academy
- East: Concord High School
- New Hampshire schools: Littleton High School, Woodsville High School, Lisbon High School, White Mountains Regional High School, White Mountains School, Haverhill High School
- Border Schools: Union 32, Montpelier High School, Spaulding High School

## **Residence Hall Communities (All Buildings Non-Smoking)**

Residence halls are:

- Arnold/Bayley
- Poland/Rogers
- Crevecoeur/Whitelaw
- Wheelock
- Service House (Gray)
- Rita Bole Complex

# **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 Associate Dean of Student Affairs and the Director of Student 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 (ARAMARK). 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:
  - 2.1 Students who are age 21 or older may possess or consume alcohol in their residence hall rooms or in rooms where at least one resident is age 21 or older. 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 Associate 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 the designated hall staff member.)

If a room/suite is left unclean or unsanitary each occupant will be billed for cleaning (\$50 minimum).

## 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.

The College does not condone cohabitation of residence hall students and at no time should a student have an overnight guest against the expressed discontent of a roommate(s).

Guests are allowed to stay no more than three days within a seven-day period. No guest may stay anywhere on campus for more than three days at a time. All guests must wait seven days after their registered date of departure before they can re-register. Residents are fully responsible for guests and their behavior. Hosts will be held responsible for policy violations committed by their guests. Guests must: 1) Obtain a guest registration form from the Residence Hall Director or Resident Assistant; 2) Have the roommate(s) sign the guest registration form; 3) Complete the guest registration form and have it signed by the residence hall director or resident assistant. Any policy violation committed by guest will result in disciplinary action for the host.

If a student feels aggrieved on this matter, the following should occur:

1. Students should tell roommates that they don't wish a third party in the room or that they feel uncomfortable with the sexual behavior in the room. If this fails, the roommate should make his/her hall director or resident assistant aware of the problem.
2. If the behavior continues, the residence staff member will then call both parties together to mediate the problem. At this time the roommate contract will be referred to, to assist in the mediation process.
3. If mediation fails, the Director of Student Life will be notified for further mediation or judicial action. If the Director of Student Life is unavailable the Associate 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 ARAMARK) 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](#).

## **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 if students continue to leave personal items in common areas.

## **6. Damage Policy**

Students are required to pay for damages to or theft of items from a room or a public or social area and its furnishings, including door locks/handles, as assessed by the Director of Student Life or the hall directors. All damages or theft occurring in residence areas will be divided equally among the occupants for the academic year, unless the Director of Student Life or hall directors are notified of the individual(s) specifically responsible and such liability can be verified or substantiated. All damage or theft which can be attributed to given individuals will be billed directly to them. Any student who wishes to appeal a damage charge must do so within five days of receiving notification of damage and subsequent charges. This appeal should be sent to the attention of the Director of Student Life in Rita Bole 304.

Students are responsible for the actions of their guests. Any damage done by a guest on campus will be the responsibility of the registered host. For a complete explanation of the guest policy, please see [cohabitation/guest policy](#).

Furnishings supplied by the College may not be removed from a residence hall room or lounge area. Any student removing such items may be charged for the full replacement cost and be liable for disciplinary action, including a daily fine, in accordance with College and residence hall regulations.

Tampering with the cable TV system may result in a loss of service to the general residence hall community and is illegal according to Vermont law. Students found guilty of tampering with the cable TV system are subject to a fine and judicial action as appropriate.

## **7. Drug Policy**

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 physician's or dentist's 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 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. Fire Alarms and Fire Equipment Policy (See college policies)**

## **9. Firearms, Explosives and Other Weapons**

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.)

## 10. 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.

## 11. Keys

- Keys are assigned by residence hall staff members.
- If you lose your key, report it immediately to the 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.

## 12. Laundry

Laundry facilities are available in each set of residence halls. All machines are coin operated. Change machines may also be found at various places around campus.

## 13. 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.

## **14. Lost and Found**

This service is handled by Public Safety.

## **15. 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. Bayley residence hall has a 24 hours quiet policy.

## **16. 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.

## **17. 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.

## **18. 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.

## **19. 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.

## **20. 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

## **21. 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 parking lots around campus (away from vehicles).

## **22. Smoking Policy**

There is a no smoking policy in all residence halls.

- 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. This policy prohibits smoking on the Lyndon State College campus except in specifically designated areas. 2.0 Statement of Policy
- 2.0 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.

## **23. 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.

## **24. 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 Associate Dean of Student Affairs.

## **25. 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.

## 26. Vacation Periods

Residence halls are closed for designated periods during the academic year. Between the fall and spring semesters students are not permitted to stay over. All appliances are to be unplugged, and the residential life staff inspects all rooms. There are three one-week breaks during the academic year when students may formally request to stay on campus for academic or other college-related reasons. 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 will be assessed a \$50.00 charge per night and will face further judicial 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
- 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

## **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.

## **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.

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.

## **When a Staff Member Should not Enter a Room**

A staff member may not open a student's room if another student has requested the door be unlocked to retrieve borrowed items (such as books, records, class assignments, etc.). The staff has a responsibility to protect the privacy of the resident(s) of a particular room.

## **Administrative Fines**

These charges are assessed to students separate from the judicial process. They are listed here for informational purposes:

- Housekeeping violation - \$50 minimum
- Lost ID replacement charge - \$25
- Lost keys/keys not returned - \$25 per key

## **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. 6419. 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 Dean | Donna Dalton | RBC 304 | x6406
- Academic Support | Debra Bailin | LAC | x6210
- Project Excel | Judy Little | LAC | x6210
- Activities | CAB Office | Vail 215C | 6363
- Admissions | Bernie Hartshorn | Vail 308 | x6499
- Arnold/Bayley | RHD Office | Bay. 502 | x6324
- Athletics | Chris Ummer | Gym 104 | x6224
- Bills & Fees | Student Services | Vail 348 | x6396
- Bookstore Manager | Vail 204 | x6466
- Facilities (scheduling) | Donna Wheeler | Vail 330 | x6498
- Career Service | Linda Wacholder | Vail 318 | x6441
- Class Cancellations | Academic Dean's Office | RBC 304 | x6767
- Change of Major | Student Services | Vail 348 | x6396
- Change of Advisor | Student Services | Vail 348 | x6396
- Commuter Concerns | Associate 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 | Student Services | Vail 348 | x6396
- Emergency Service | Ambulance | 911
- Emergency Service | Fire | 911
- Emergency Service | Public Safety | Vail 340 | x1111
- FAX (Students) | Bookstore | Vail 204 | x8967
- Financial Aid | Tanya Bradley | Vail 374 | x6216
- Food Service | Steven Smith | Dining Hall | x6266
- Health Services | Physician and P.A. | Brown House | x6440
- Housing | Student Life | RBC 304 | x6418
- I.D. Cards | George Hacking | Vail 340 | x6432
- Info. technology | Help Desk | Library 213 | x6456
- 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 373 | x6492
- Newspaper (LSC) | Critic Office | Vail 104 | x6215
- Parking Permits/Fines | George Hacking Vail 340 | x6432
- Payroll-student | Paulsha George | Vail 369 | x6461
- Cynthia Robertson | RBC 304 | x6218
- Public Safety | George Hacking | Vail 340 | x6432
- Poland/Rogers | RHD Office | RBC A212 | 427-1740
- Pool Info | Sue Henry | Gym 102 | x6242
- Pool Schedule | x6769
- President's Office | Carol Moore | Vail 368 | x6404
- Registration | Student Services | Vail 348 | x6494
- Rita Bole | RHD Office | RBC A212 | 427-1740
- Student Activities | RBC 304 | x6418
- Students' Rights | Jonathan Davis, Assoc. Dean SA | x6418
- Dean of Academic and Student Affairs | RBC 304 | x6418
- Student Government Senate president Vail 215A | x6483
- Study Abroad Options | Debra Bailin | Vail 324 | x6210
- TDD Number for Hearing Impaired | 802-626-6273
- Training Room | Peter Guilfoyle | G13/G15 | x6362
- Transcripts | Sherri Wood | Vail 348 | x4853
- Transfers Heather Ring | Vail 350 | x6409
- Vehicle Reservations | Tom Archer | Maintenance | x6454
- Veteran's Affairs | Sherri Wood | Vail 348 | x4853
- Weather Phone Recorded Message | x6421
- Wheelock/SERVICE House | RHD Office | Wheelock 103 | x6330
- Whitelaw/Crevecoeur | RHD Office | Whitelaw 601 | x6326
- Withdrawals | Sherri Wood | Vail 348 | x4853
- Work study Eligibility | Jennifer Aubin | Vail 348 | x6217
- Work Study Jobs | Linda Wacholder | Vail 316 | x6441
- LSC Homepage | <http://www.LyndonState.edu>

# Student Rights and Responsibilities

## Philosophy and Focus of the Judicial 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 judicial system is to function as an educational process. The goals of the judicial 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 judicial 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 judicial system.

## Code of Student Ethics

- 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.
  - B. The Residence Hall Directors, Director of Student Life, Associate 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., bong, pipes, rolling papers not accompanied by loose tobacco, syringes, 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 is also prohibited (e.g., aerosols, chemicals, etc.).

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;
  - 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 within 25 feet of any residence hall building;
  - q. More than ten people in a residence hall double or triple 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.
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.
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: Judicial Proceedings

- A. Charges & Hearings - Members of the college community who file judicial 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: 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 Associate Dean for Student Affairs, the Director of Student Life and the Dean of Academic and Student Affairs. 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 judicial 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. Intern 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 Academic and 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.
  - 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. A verbal warning will be noted on the student's prior sheet in his/her file for one academic year.
  - b. Disciplinary Warning: A written notice to the student that certain behavior is inappropriate. This warning becomes part of the student's file for one academic year.
  - 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. A mandatory meeting with the President of Lyndon State College is also a requirement under the terms of this sanction.
  - 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. If the student accused of violating campus policy is NOT in danger of eviction, suspension or expulsion, the letter will be accompanied by a copy of the incident report and a hearing waiver. If the student accepts responsibility for the alleged violation, he/she may waive the right to a hearing. In this case, the student is found responsible for the policy violations indicated in the letter. A follow-up letter will be sent that indicates the sanctions the student has received. Sanctions must be complied with in the allotted time or the student will be held responsible and will receive further sanctions. Any student who does not wish to accept responsibility on receipt of the above-mentioned letter will have a hearing. 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 Academic and 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 is

attending the hearing, the college needs to be notified 72 hours in advance of the hearing. The attorney 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. 5. 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. 6. Appeals will generally be reviewed within fifteen business days of the student's written request, unless otherwise approved by the Associate Dean of Student Affairs or the Dean of Academic and Student Affairs.
- g. 7. 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 Associate 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 Associate 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 Associate 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 Associate 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 will 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 Associate Dean of Student Affairs office or the Student Service office.

## Student Handbook

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

- College Food Services
- Parking and Vehicle Registration
  - General
  - Parking Violations
  - Towing Policy
  - Loss of Privileges
  - Violations and Fines
  - Student Identification Cards
  - Lockers
  - Automated Teller Machine
- Emergency Information
  - Protocol for a Student Medical Emergency on Campus
  - Campus Emergency Evacuation Plan
  - Bomb Threats Only
- Campus Communications
  - Network and Email Connection
  - Cancelled Classes
  - Modes of Communication on Campus
- Student Activities
- Athletics
- Intramurals

## College Food Services

The snack bar and dining hall are operated by ARAMARK 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 and use of the dining hall is available in the Associate Dean of 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.

Campus Dish and Food Service Website- [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 re-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.

## **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.

## **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.

## 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.

## Violations and Fines

- No parking permit - \$50.00
- Parking in prohibited area - \$25.00
- Parking in roadway - \$25.00
- Parking in fire lane - \$50.00
- Blocking building access - \$25.00
- Driving on grassy area - \$25.00
- Interior campus - \$50.00
- Parking in handicapped space - \$100.00
- Blocking security gates - \$50.00
- Other - \$25.00

## 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.

## 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 and cashing checks in the bookstore. 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 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

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 Student Life, ext. 6419, or the Associate 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, Director of Student Life - ext. 6418

# Campus Emergency Evacuation Plan

1. If you are notified of a real or threatened disorder, immediately contact the Public Safety Department, ext. 6452. In the event of a fire, call 911, and, if safely possible, the Public Safety Department, ext. 6452.
2. The Director of Public Safety will immediately notify the following individuals: Appropriate area contact person(s) Secretary at the Physical Plant, ext. 6455 Learning Specialist (as appropriate), ext. 6347
3. The Director of Public Safety will notify the following agencies if the situation is of a serious nature:
  - State Police
  - Lyndon Rescue
  - Lyndonville Fire Department
4. The secretary at the Physical Plant will contact:
  - President, ext. 6404
  - Dean of Administration, ext. 6411
  - Director of Physical Plant, ext. 6454 or 6455
  - Dean of Academic and Student Affairs, ext. 6406
  - Dean of Institutional Advancement, ext. 6427
  - Director of Student Life, ext. 6418
  - Mechanical Systems Supervisor (emergency boiler shut-down), ext. 6453
  - Chemical Hygiene Officer, ext. 6469
  - Coordinator of Public Information, ext. 6459
5. The campus has been divided into areas and all buildings divided into zones. The area contact person is responsible for contacting the person who is assigned to each zone. It is the responsibility of the zone person to alert the occupants of the zone to leave the building. An alternate person has been selected for each zone to ensure that the evacuation will occur. Persons responsible for evacuating the buildings will move quickly through their assigned zones, telling people, We have an emergency. Please leave the building immediately. At closed offices or private rooms they will knock on the door and, whether they receive a response or not, will say loudly enough for an occupant to hear, We have an

emergency. Please leave the building immediately. Volunteers responsible for a zone will not key into offices or rooms; it is important for their safety to evacuate the building as well. At times when contact/zone persons are not available, Public Safety will be responsible for evacuation.

6. The fire alarm system will be used only in the event of a fire. The system will be used in conjunction with area contact/zone persons to notify occupants of the affected building(s). If the nature of the emergency does not permit zone persons to move safely from door to door, only the fire alarm system will be utilized.
7. Building floor plans showing the readers location and recommended exit route are conspicuously and strategically located in all buildings.
8. Persons evacuating Vail, the Science Wing, the Theatre, the Activities Building, Stannard Gymnasium and the Bole Center should congregate in the Vail parking lot, where they will receive further instructions.
9. Persons evacuating Harvey Academic Center, the Samuel Read Hall Library and Academic Center and Stevens Dining Hall should congregate in the Wheelock parking lot, where they will receive further instructions.

## **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.

## **Campus Communications**

### **Network and Email Connections**

Residence hall rooms are equipped with connections to the college network. Information on establishing these connections is distributed by Student Affairs and Information Technology Services at orientation and through their offices. All students may use campus Internet and e-mail resources in the 24-hour computer lab, in the Library and Academic Center and in the computer classrooms. All students are required to check their LSC e-mail.

### **Cancelled Classes**

Class cancellations are listed on a recording. Call 626-6767 for a listing of cancellations. Snow-day information is also available at this number.

- WSTJ/WKXH 1340/105.5 (St. Johnsbury)
- WGMT 97.7 (Lyndonville)
- WIKE 1490AM (Newport)
- WDEV 96.1FM/550AM (Waterbury)
- WLVB 93.9 (Morrisville)
- WLTN 96.7 (Littleton)
- WWLR 91.5 (LSC station)



# Modes of Communication on Campus

- Mass e-mails can be sent out to all students, informing them of club events and activities that are planned. Banners, paper and markers can be signed out from the Student Activities Office; then the banners are hung in the ATT lobby. Bulletin boards are available for almost every club on campus, which they are responsible for keeping up-to-date. There are also other general boards that can be used to post notices.
- The Buzz is a weekly newsletter which has the schedule and description of weekly student activities and is published by the Student Activities Office. The Buzz can be found in the student center and at campus distribution points. The Critic is the college student newspaper. It is published periodically during the academic year and is available in the student center and at campus distribution points. WWLR, the student-run FM radio station, is powered by a 3000-watt transmitter and serves the college and the neighboring community. Broadcasts include varied programs of music, news, sports, weather and ski reports, and special features.
- LSC-TV is a college-based live newscast featuring LSC students as anchors, reporters, producers, writers, meteorologists, photographers, editors and technicians. Student reporters and photographers travel the Northeast Kingdom covering scheduled and breaking news. LSC-TV is a CNN affiliate and is broadcast live on Charter Communications, Channel 7.
- NewsNet provides a schedule of news and events at LSC and in the surrounding community. NewsNet is published by the Institutional Advancement Office and is available on the LSC website.
- Telephone - The college operates its own switch and voice-mail system. Every campus office and residence hall room has its own direct dial phone number and voice mail. The college provides local and on-campus service to each student living in a residence room.
- 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 the Director of Student Activities.
    - All banners, posters, and notices must clearly indicate contact information, a name/sponsoring organization, date, time and location and must be removed within 48 hours after the event.
    - Unauthorized removal of or tampering with a poster before an event date will be considered as vandalism, and the person(s) responsible may be brought up on charges.
    - A weekly examination of bulletin board locations will result in the removal of all posters which violate these policies.
    - Bulletin boards belonging to offices, academic departments, clubs, or organizations are not to be used by individuals outside the organization. Students and staff with responsibility for these boards have the right to remove posters not related to their club/organization.
    - Lyndon State College is an equal opportunity institution. Chalking and postering in violation of this mission is subject to immediate removal and those responsible may be brought up on judicial charges.

- Lyndon State College serves as an institution of higher learning and realizes the dangers of alcohol abuse and chooses not to allow posters and chalking that encourages, promotes, or advertises alcoholic beverage consumption.
- Chalking:
  - 1. The use of chalking for advertisements and announcements is permitted with water-soluble chalk on sidewalks only.
  - 2. The Director of Student Activities 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](http://www.lyndonstate.edu/studentlife)
- Social/Service Clubs
  - Academic Organizations/Honoraries
  - Media Organizations
  - Recreational Sports Club

# Athletics

Lyndon State College is in its second year of provisional membership with the National Collegiate Athletic Association (NCAA) Division III as well as a member of the United State Collegiate Athletic Association (USCAA). In September of 2008 we will become a full member of the NCAA Division III North Atlantic Conference (NAC). Our varsity sponsored athletic teams include: men's and women's cross-country, men's and women's soccer, men's and women's tennis, men's and women's basketball, women's volleyball and softball, men's lacrosse and baseball. Lyndon has been well-represented in championship play both in the USCAA and our former affiliation, the NAIA. The men's and women's basketball and cross-country teams have each advanced to national championships/tournaments in the last 10 years. Over the last 10 years the Hornets have had 40 NAIA or USCAA All-Americans/Academic All-Americans.

In addition to an extensive intramural and recreation program, the Rita L. Bole Center has racquetball and tennis courts, two gymnasiums, an Olympic-size swimming pool, and a variety of sports equipment available for all students. There is also a well-equipped fitness center.

## Intramural Programs

The Intramural Department is directed by Sue Henry and staffed by students. Student employment is either through work-study or academic credit. The program offers all students, faculty and staff the opportunity to participate in competitive and non-competitive activities. Students interested in participating in any posted activity may sign-up at the Intramural Office during the appropriate entry period. New students that do not have a team affiliation may sign-up as free agents and the director will place them on a team. All rules, schedules, results and other information pertaining to the program can be found posted outside the Intramural office (G102), by the Stannard Gymnasium or on the web.

## 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

[^ TOP](#)

ALBRIGHT, CHARLOTTE (2007) Assistant Professor of Television Studies, B.A. Bennington College; M.A. Boston University; Ph.D. Boston University

ANDERSON, THOMAS (2008) Assistant Professor of Mountain Recreation Management, B.S., M.S. Western Illinois University; Ph.D. University of Illinois

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

- ATKINS, NOLAN T. (1997) Professor of Atmospheric Sciences, B.S. University of Minnesota; M.S., Ph.D. University of California Los Angeles
- BALLOU, DAVID (1993) Professor of Television Studies, B.A. Lyndon State College; Ed.M. Boston University
- 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
- DALEY, DANIEL (2008) Assistant Professor of Mathematical Sciences, A.S., B.S., M.Ed. Lyndon State College
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- DELEO, JOHN (1976) Professor of Mountain Recreation Management, B.S. Northeastern University; M.S. University of Utah; Ed.D. Boston University
- FARRELL, KEVIN J. (1990) Associate Professor of Mathematics, B.S. Nasson College; M.S. University of Vermont; Ph.D. University of Rhode Island
- GIESE, ALAN (2006) Assistant Professor of Natural Sciences/Biology, B.A. University of California at Santa Cruz; M.S. Oregon State University; Ph.D. Arizona State 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
- 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 Television Studies, B.S. Lyndon State College; M.A. Marlboro College Graduate Center
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- MITCHELL, LINDA M. (1989) Professor of Business Administration, B.A. Occidental College; M.S. University of Southern California; M.B.A. Columbia University
- MOORE, BRITT (2009) Instructor, Music Business and Industry, B.A. California State University
- MOYE, RICHARD H. (1991), Professor of English, B.A. Middlebury College; M.A. Columbia University; M.Phil. Columbia University; Ph.D. Columbia University
- MUELLER, HARRY (2003) Assistant Professor of Visual Arts, A.A.S. Milwaukee Institute of Technology; A.A.S., B.S. Rochester Institute of Technology
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- NORLING, JONATHAN (2008), Assistant Professor, Mountain Recreation Management, B.A. North Park University; M.S. Southern Illinois University; Ph.D. University of Utah
- 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
- PLAZEK, DAVID (2006) Assistant Professor of Social Sciences/Political Science, B.A., University of Pittsburgh; M.P.A., Indiana University of Pennsylvania; M.A., Ph.D. West Virginia University
- 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

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WILLIAMS, DAN (2006) Assistant Professor of English/Journalism, B.A. Kansas State University; M.A. Ohio State University

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# Part-time Faculty

[^ TOP](#)

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M.S.T. Lyndon State College

ANGELL, RICHARD, Allied Health Sciences, M.A. University of  
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BELL, DUDLEY, Exercise Science/Tennis

BENSON, MIRIAM, English, B.A. Brown University, M.A.  
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CHARLES, JEAN, Music and Performing Arts/Music

COLBY, KELLY, English, B.S. Lyndon State College

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COTTE, WILLIAM, Music and Performing Arts/Music

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PORTNER, TERRY, English/Television Studies, B.S. St.  
Cloud State College

PULASKI, MURRAY, English, B.A., M.A. Goddard  
College

ROCHE, MARIA, Spanish, M.F.A. Escuela de Bellas  
Artes

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KAPLAN, JONATHAN, Natural Sciences, B.S. Providence College; M.S. University of Rhode Island; Ph.D. University of New Hampshire

KELLAR, KRISTINE, Exercise Science

ROOSEVELT, MICHAEL, Visual Arts, B.S. University of Plano; B.F.A. Carnegie-Mellon University; M.F.A. Tyler School of Art of Temple University

STONEBRAKER, EDWARD, Natural Sciences, B.A. Tufts University; D.C. New York Chiropractic College

STORZ, THEA, Visual Arts/GEU, B.A. Hampshire College; M.A.T. Tufts University

STROKANOVA, ELENA, Russian, B.A. Lyndon State College

STRUCK, JAMIE, Mountain Recreation Management, B.A. Lyndon State College

SWAINBANK, DANIEL, English, B.A. Amherst College; M.A.T. University of Massachusetts

SWEET, DENNIS, GEU, B.S. University of Vermont; M.Ed. Lyndon State College

TESTER, LORALEE, French, B.A. Boston University; M.Ed. Lyndon State College

THABIT, ALIA, English, B.A. Lyndon State College

TWOMBLEY, NORMA, Mathematics, M.Ed. St. Michael's College

ULRICH, TIMOTHY, Mathematics, B.S. Lyndon State College

VAN NOSTRAND, DON, Mathematics, B.A. Potsdam College; M.S. University of New England; D.A. Franklin Pierce University

WALKER-WHARTON, LYDIA, Visual Arts, B.F.A. University of North Carolina at Greensboro

WILLIAMS, ELIZABETH, English, B.A., M.A. Oakland University

WILLIAMS, NORRINE, Psychology, B.A. Bates College; M.S.W. University of Connecticut

YERKES, DOREEN, Mathematics, B.S. Lyndon State College

YOUNG, THERESA, Education, B.S. Lyndon State College; M.Ed. University of Vermont

ALDRICH, E. RALPH (1969-1995) B.A. Plymouth State College; M.A. Bread Loaf School of English (Middlebury College); Associate Professor of English

BLANCHARD, IRENE (1976-1998) B.S. Pratt Institute; M.Ed. Boston University; M Phil., Ph.D. Syracuse University; Professor of Psychology

EBBETT, BALLARD E. (1960-1998) B.A. University of Wyoming; M.S. University of Wyoming; Associate Professor of Science

ELLIOTT, JUNE (1976) B.S. Lyndon State College; M.A. Goddard College; Ph.D. University of Connecticut; Professor of Psychology

GALLAGHER, SUZANNE (1972-1990) B.A. University of Massachusetts; M.S. Southern Connecticut State College; M.A. Goddard College; Head Librarian

MILLER, DONALD H. (1959-1999) A.B. SUNY-Albany State; A.M. SUNY-Albany State; Ph.D. University of Connecticut; Professor of Science

REEVES, CAROLYN (1982-2003) B.S. Southern Connecticut State College; MSW University of Connecticut School of Social Work; Professor of Psychology

TOBORG, ALFRED (1960-1999) A.B. Columbia University; M.A. Xavier University; Ph.D. Columbia University; Professor of History

VOS, KENNETH (1967-1999) B.D. Central College; M.Div. New Brunswick Theological Seminary; Ph.D. Columbia University; Professor of Philosophy

## The Administration

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Stephen C. Allen	LAN/System Administrator
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Kathy A. Armstrong	Administrative Assistant to Faculty
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Jo-Ann Charron	Custodian/Pool Technician
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Jonathan M. Davis	Associate Dean for Student Affairs
Traci L. Davis	Accounting Specialist
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Gaylon R. Ely	Custodian
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Elaine L. Fournier	Staff Assistant for Student Affairs
Karen M. Fournier	Custodian

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Sandra L. Franz	Director of Human Resources
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Donna M. Gile	Admissions Assistant
Darlene N. Gilman	Staff Assistant for Conferences, Career Services
Kathleen E. Gold	Student Success Specialist
Cheryl L. Goldrick	Staff Asst. to Associate Academic Dean
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Darlene L. Johnson	Student Services Consultant
William F. Johnson	Assistant Athletic Director
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John R. Kascenska	Associate Academic Dean
Donna J. Keely	Director of the First-Year Experience

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Sara L. Lussier	Administrative Assistant, Institutional Advancement
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William D. Martin	Maintenance Tech
Robert G. McCabe	Director of Student Support Services
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Patrick P. McLaughlin	Public Safety Officer
Brian W. Michaud	Public Safety Officer
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Mark H. Mohrmann	Broadcast Systems Administrator
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Ann M. Nygard	Director, Incubator Without Walls
Arthur W. Peake	Maintenance Supervisor
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Monique C. Prive	Acquisitions Coordinator
Heather A. Ring	Associate Registrar
Dianne M. Rivers	Staff Assistant to Faculty/NEKSDC
Cynthia A. Robertson	Assistant to the Dean of Administration
Erin S. Rossetti	Assistant Director, Residential Life
Nathan R. Rossetti	Public Safety Officer
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Charles I. Sjolander	Senior Mechanical Systems Tech
Brenda A. Sweet	Administrative Assistant to Faculty
Janet M. Thorn	Coordinator of Library Access Services
Rhonda M. Trucott	Mailroom Supervisor
Mark H. Tucker	Atmospheric Sciences Data Systems Administrator
Christopher T. Ummer	Director of Athletics
Linda A. Wacholder	Director of Career Services
Patricia M. Webster	Cataloger
Isaac D. Wetherby	Senior Desktop Support Technician
Donna E. Wheeler	Director of Conferences & Guest Relations
C. Richard Williams	Director of Upward Bound
David H. Wood	Custodial Supervisor
Sherri H. Wood	Student Services Consultant

Emily F. Woodall	Library Reference/Circulation Assistant
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\* Dr. Robert A. Burnham (1997-1998, Interim)

\*Deceased

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## Academic Calendar

# Academic Calendar 2010-2011

Tuesday August 31, 2010                      First Day of Classes

Monday, September 6, 2010                  Labor Day - No Classes

Friday September 17, 2010                  Major Activities Day

Friday September 17, 2010                  Homecoming (9/17 - 9/19)

Friday September 17, 2010                  Family Weekend (9/17 - 9/19)

Friday, October 8, 2010                      Fall Break - No Classes

Monday, November 22, 2010                  Thanksgiving Break (11/22 - 11/26)

Friday, December 10, 2010                  Last Day of Classes

Monday, December 13, 2010                  Final Examinations (12/13 - 12/16)

Tuesday, January 18, 2011                      First Day of Classes

Monday, February 21, 2011                      Winter Break (2/21 - 2/25)

Monday, April 4, 2011                              Spring Break (4/4 - 4/8)

Friday, May 6, 2011                                Last Day of Classes

Monday, May 9, 2011                              Final Examinations (5/9 - 5/12)

Sunday, May 15, 2011                              Commencement