

Lyndon State College

2006-2007 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 is committed to offering liberal arts and professional programs that challenge students to develop their full potential in an environment that fosters personal attention.

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, sex, sexual orientation, 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 Assistant 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.

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.

Serving a record enrollment of 1,400 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 is committed to offering liberal arts and professional programs that challenge students to develop their full potential in an environment that fosters personal attention. An innovative and comprehensive general education program is the cornerstone for the development of foundational skills and knowledge upon which major programs of study build. Integrating theory and practice, Lyndon prepares graduates competent in their field, equipped to respond to the challenges of an evolving society, and able to advance the quality of life in a diverse global community. President Carol A. Moore

In pursuit of this mission, Lyndon State College:

- Emphasizes learning facilitated by effective teaching and committed faculty and staff.

- Develops critical thinking, problem-solving, quantitative reasoning and communication skills, as well as technological competence, through the general education and major programs.
- Pursues scholarly and professional activities through which knowledge is advanced and currency in education is maintained.
- Offers co-curricular programs and services to develop the full potential of individual students with diverse backgrounds and abilities.
- Maintains a spirit of community through the establishment of common goals and collective accountability.
- Provides programs and services for and in collaboration with schools, local communities, businesses, public agencies, and private groups.

Campus Life

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

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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. 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.

One additional and important Library service is providing support for Blackboard course sites. The College uses Blackboard, a web-based course management system, to facilitate classroom, hybrid, and online courses. Students and

instructors can get help accessing and using their course sites through the Library Instructional Technology Office located on the first floor of the Library.

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.

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 both 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, network storage space, and personal web space. A Help Desk provides software and hardware support.

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

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 Vail 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. Video tapes and mathematical software are also available.

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. 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. If any questions arise concerning educational benefits or veteran-related problems, contact the Registrar's Office.

Registrar's Office

The Registrar's Office provides information related to academic program requirements, graduation requirements, grade point averages, and transfer credits. This office provides the forms needed for changing majors, changing advisors, and requesting transcripts. Registration and drop-add materials are also available through this office. Students will register for courses at the Registrar's Office in the Vail Lobby unless they register on-line with their faculty advisors.

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, conducts educational programs on health-related issues 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.

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.

Residential Life

The mission of the Office of Residential 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 21 members of the live-in residence staff, including four Residence Hall Directors, and 19 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 improve and enrich their college experiences. Some specific services provided for commuting students include a telephone for free local and intercampus calls which is located at the Information Booth in Vail Hall. Commuter meal

tickets are also available. They are valid in either the snack bar or the dining hall. Cancelled classes are listed on a recording. Call 626-6767 for a listing of cancellations.

Students Reporting Absences

Students who need to miss classes are requested to call the Student Affairs Office at 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 to Students

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 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 626-6200. They will attempt to deliver a message.

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.

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. The Student Congress is comprised of the Student Senate and the House of Representatives. 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, American Women in Radio and Television, the Dance Team, Gay/Straight Alliance, the Hockey Club, the Literary Society, Logikos (the Philosophy Club), Lyndon Christian Fellowship, the Nontradition Club, the National Press Photographers Association, Natural Science 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), and the Society of Professional Journalists.

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's intercollegiate teams hold membership in the National Association of Intercollegiate Athletics (NAIA) and the Sunrise Conference. Intercollegiate competition includes basketball, cross-country running, soccer, tennis, men's baseball and women's 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.

Lyndon's campus recreational facilities are among the best in the region. The Rita L. Bole Center includes an exercise room with weight-training equipment, 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

In addition to stocking required textbooks and general stationery supplies, the bookstore carries 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. For more information see our web site at www.lsc.bkstr.com.

The LSC Alumni Association

After years of hard work and study your graduation arrives. You can still keep connected with Lyndon through the ambitious activities of the Lyndon State College Alumni Association. The association will stay in touch with you through Twin Tower Topics, a publication for alumni and friends of LSC. In addition, each year the Alumni Association Scholarship Committee selects several deserving Lyndon students to receive scholarship awards. There are currently more than 6,000 alumni of the college, representing all 50 states and a number of foreign countries.

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. Lyndon is authorized to accept applications from all qualified Vermont and non-resident high school graduates, or persons holding a GED. The College employs rolling admissions, so that you may apply at any time. All applications are given prompt attention; candidates may expect a decision within two weeks after the date the application process is complete.

Candidates for graduate study may secure application forms from the Admissions Office. For programs and requirements, see the graduate section within this catalog.

If you do not wish to enter a degree program, you 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.

One condition of admission is that 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.

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.

New Students

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The admission process for new students is based on a completed application form, an official secondary school transcript, including senior-year grades, recommendation from your guidance counselor, and your performance on the American College Testing (ACT) Program or the College Entrance Examination Board (CEEB) or Scholastic Assessment Test (SAT).

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. Students who intend to enter a program requiring mathematics should have completed two years of algebra in addition to study in advanced-level mathematics. Some programs also assume that students will have a background in specific science disciplines. Specific courses suggested for some areas of study are noted under the descriptions of Lyndon's degree programs.

A non-refundable fee of \$35 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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The admission requirements for transfer applicants are similar to those for new students, with the addition of an official transcript from each college-level institution you attended. A transcript is required even if you are not requesting credit from a particular institution. At the discretion of the Admissions Office, the ACT or SAT scores and the high school recommendation may not be required.

Transfer credit may be given for appropriate courses completed with a grade of C- or above at 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. A non-refundable fee of \$35 must accompany each application.

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 LSC to earn an LSC 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 LSC general education requirement.

Students transferring into LSC to earn an LSC 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 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 may be based on proof of academic success at another institution, employment in an appropriate area of work, community service, or character references. In some cases, a dismissed student may be required to secure a statement of admissibility to a major program from an academic department. The guiding principle is that the decision to re-admit a student shall be based on the reasons for dismissal.

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 Recorder and appropriate department chairs. Further information is available from the Admissions Office.

Early Admissions

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The early admission program allows qualified students who 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 Acceptance Program

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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 have a combined SAT score of 1000 and a high school GPA of 3.0.

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

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Lyndon is proud of a long tradition of serving the adult and non-traditional student. 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 one or more of the several programs offered at Lyndon for the 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.

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.

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 (EDU 1240) where they begin to document all activities related to college-level work. In the fall this course is taught on Lyndon's campus. Please talk with an admissions counselor about any of these programs for nontraditional students.

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 2005-2006)

Major Program	Degree	CT	MA	ME	NH	RI
Computer Information System/Meteorology	B.S.	X		X	X	X
Digital Media	A.S.	X	X	X	X	X
Digital Media	B.A.	X			X	X
Graphic Design	A.S.			X	X	X
Graphic Design	B.A.			X	X	X
Meteorology	B.S.		X	X		X
Recreation Resource & Ski Resort Mgt.	B.S.	X	X	X	X	X
Natural Resource GIS Mapping and Planning	A.S.	X		X		X
Small Business Management	B.S.					X
Television Production	A.S.	X		X	X	X
TV News	A.S.	X	X	X	X	X
Television Studies	B.S.	X	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 subject to change without notice. For further information, contact the Admissions Office, or visit our web site at 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.

International Admissions

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In order to be considered for admissions to LSC all international students must: complete and submit the application for admissions with the required \$35 application fee; submit academic records in the original language as well as a certified English translation. Applicants need to provide official secondary school transcripts and an official leaving certificate or diploma. Official transcripts of any university level studies already completed must also be furnished. In order for Lyndon State College to consider the acceptance of transfer credits from foreign institutions, students must have their post secondary academic transcripts evaluated by an official foreign credential evaluation service. Students are responsible for paying for the credential evaluation and translation fees. A list of credential evaluation services can be found at www.edupass.org; demonstrate proficiency in the English language by submitting an official TOEFL score report; submit financial documentation equal to at least one year's expenses; submit one letter of recommendation; and submit one writing sample.

Students' applications will not be evaluated until all of the above documentation is received by the Admission Office. All admission decisions are released on a rolling basis.

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. For more information about immigration regulations for international students see Lyndon's web page, www.lyndonstate.edu, under admissions.

Students Whose Native Language is not English

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Applicants whose native language is not English are required to document English-language proficiency by taking the Test of English as a Foreign Language (TOEFL). Lyndon State will accept a minimum score of 500 for the paper-based test or 173 for the computer-based test. For applicants who have graduated from a U.S. high school, other English proficiency measurements may be considered in place of the TOEFL. Students with English-language deficits can receive academic support through Lyndon's Academic Support Center.

AFROTC

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Lyndon students may apply for the Air Force Reserve Officer Training Corps program given in cooperation with Norwich University, Northfield, Vermont. Full scholarships of two to three-and-a-half years duration are available on a competitive basis to students in some academic disciplines. Further information is available from the Admissions Office.

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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

Mail a completed Free Application For Federal Student Aid (FAFSA) 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

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

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 Office of Financial Aid.

Federal Aid Programs Administered by the College

Federal Supplemental Educational Opportunity Grants (FSEOG), ranging from \$100 to \$4,000, are available to undergraduates with the greatest financial need. Priority is given to Pell Grant recipients.

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

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

Other Federal Programs

Federal Pell Grants for the current academic year range from \$400 to \$4,050, depending upon eligibility as determined by a national standard formula.

Federal Stafford Loans (subsidized and unsubsidized) enable students to borrow federal loan funds. Depending on the student's eligibility, the maximum that may be borrowed is \$2,625 a year for first-year undergraduates, \$3,500 for second year undergraduates, or \$5,500 a year if two years of study have been completed and third-year status is achieved. Graduate students may borrow up to \$8,500 per year. Additional unsubsidized eligibility for independent students is \$4,000 per year for first and second year undergraduates, \$5,000 per year for remaining undergraduates, or \$10,000 per year for graduate students.

The Federal Stafford aggregate loan limit for dependent undergraduates is \$23,000, while graduate students may borrow up to \$65,500 including loans made at the undergraduate level. Independent students may borrow up to an additional unsubsidized eligibility of \$23,000. A student cannot borrow more than the cost of attendance minus any financial aid, so in some cases the amount of a student's need may limit the amount of the Federal Stafford Loan. The federal government pays the interest on the Subsidized Federal Stafford loans while students are enrolled on at least a half-time basis. The student pays the interest on the Unsubsidized Federal Stafford Loan while the student is enrolled on at least a half-time basis.

Federal Parent Loan for Undergraduate Students (PLUS) loans allow 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 Registrar's Office provides information and assistance for those seeking education benefits.

Lyndon State College Grants and Scholarships

Lyndon State College offers a variety of scholarships to both new and returning students. Awards are based on academic and personal achievement and are need-based or non need-based. Students who apply for federal financial aid by completing the Free Application for Financial Aid (FAFSA) may apply for both need-based and non need-based aid if, according to the standard federal formula, the students' resources do not meet the full cost of education. Students whose resources are sufficient according to the standard federal formula, or who have not applied for financial aid, may apply only for non need-based grants and scholarships.

Application deadlines are March 15th for new students and April 15th for returning students. Complete information is available in the Scholarships at Lyndon State College booklet or on our website at www.lyndonstate.edu by clicking on Prospective Students or Current Students, Financial Aid, Funding a Lyndon State Education.

State Grants and Non-Institutional Scholarships

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

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 and on our web site at www.lyndonstate.edu. Click on Applying to LSC, Financial Aid and follow links to other Financial Aid Information.

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. Information is available on our web site at www.lyndonstate.edu. Click on Applying to LSC, Financial Aid and follow links to other Financial Aid Information.

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

Academic Policies & Procedures

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

- Student Responsibilities
- Academic Advisors
- Course Substitution Options
- Course Offerings
- Credit Definition
- Class Schedule
- Internships and Cooperative Education
- Veterans Benefits for Co-Op Courses
- Independent Study
- Attendance in Courses
- Classroom Behavior
- 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 Registrar's 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 Registrar's 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 Registrar's Office. Payment of fee 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 creates a wide range in the types of instruction. 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 and 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. A maximum of 18 credit hours in Internships and Cooperative Education may be applied toward a bachelor degree, and a maximum of 12 credit hours may be applied toward an associate degree. 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 Registrar's 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 0210, 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 0.50 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, all changes of grade, including those requested by the instructor, must be approved by the Academic Standards Committee of the Faculty Assembly.

Semester and Cumulative Grade-Point Averages

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

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

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

Letter Grade Point Value Credit Earned P/NP

A+	4.00	Yes	P
A	4.00	Yes	P
A-	3.70	Yes	P
B+	3.30	Yes	P
B	3.00	Yes	P
B-	2.70	Yes	P
C+	2.30	Yes	P
C	2.00	Yes	P
C-	1.70	Yes	P
D+	1.30	Yes	P
D	1.00	Yes	P
D-	0.70	Yes	P
F	0.00	No	NP

Special Grade Notations

For the following types of courses instructors may decide whether or not to provide a written evaluation as part of the transcript in addition to the regular grade, or whether to allow the student to decide within the first week of classes to

request a written evaluation: cooperative education, student teaching, practicum, internship, field work, independent study, and special studies.

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

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

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

Incomplete

A grade of Incomplete indicates the course was not completed for reasons that were beyond the student's control and acceptable to the instructor. The student is allowed a specified period of time, not to exceed the end of the seventh week of the semester immediately following award of the "I", to complete the course. Failure to satisfy the course requirements in the period stipulated shall result in a grade of F or NP (instructors have the option of assigning a default grade other than F). While work on the incomplete course is still in progress, academic standing is determined by the student's other grades. However, the student is ineligible for inclusion on the Dean's List or President's List until all work is completed.

Non-Use of Grades and Credits

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

Students may request "nonuse 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 grade-point 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 five 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 Leave of Absence 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 Registrar's 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 Registrar's Office. Portions of the students academic record are available online at blackboard.vsc.edu.

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 including name, college address, college telephone listing, college e-mail address, place of birth, major, 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 above residency rule, 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 Registrar's 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 is available at the Registrar's Office.

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 Registrar's Office within stated deadlines and/or if they have registered for courses in conjunction with meeting with their academic advisor. The Registrar's 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 Registrar's 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 Registrar's 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, 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 16 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 gradepoint average will reflect the last grade earned. Students must have permission from the Dean of Academic and Student Affairs to enroll in a course more than twice.

Financial Clearance

All students not financially cleared at the end of the first week of a term will be responsible for re-registering for classes after clearance by the Business Office. Students who are delinquent in financial obligations may not attend classes, enroll for succeeding semesters, participate in graduation or receive transcripts.

Leave and Withdrawal

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Leave of Absence

Students may request a leave of absence for up to two semesters by submitting a form (available at the Registrar's 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 five 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 Registrar's Office for approval. After acceptance of the withdrawal, the Registrar's 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 the same 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 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 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 Registrar's 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.

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Tuition and Fees

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

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

Estimated Costs of Attendance

Students are responsible for familiarizing themselves with the fee descriptions, payment and refund policies. The following schedule lists full-time tuition and basic fees in effect for the 2006-2007 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	\$3,324	\$3,324	\$6,648	\$7,188	\$7,188	\$14,376	\$4,992	\$4,992	\$9,984
Student Activity Fee	90	90	180	90	90	180	90	90	180
Health Insurance*	1,235		1,235	1,235		1,235	1,235		1,235
Sub-Total (Commuter)	\$4,649	\$3,414	\$8,063	\$8,513	\$7,278	\$15,791	\$6,317	\$5,082	\$11,399
Room (Double)	2,067	2,067	4,134	2,067	2,067	4,134	2,067	2,067	4,134
Board (Gold Plan**)	1,404	1,404	2,808	1,404	1,404	2,808	1,404	1,404	2,808
Total (On Campus)	\$8,120	\$6,885	\$15,005	\$11,984	\$10,749	\$22,733	\$9,788	\$8,553	\$18,341

Other Estimated Fees

Application Fee (due when applying for admission)	\$35	Overload Fee (per credit hour in excess of 18 per semester):	
Degree Audit Fee (for Graduation)	\$64	In-State	\$277
Late Registration Fee	\$42	Out-of-State	\$599
Late Financial Clearance Fee	\$100	NEBHE	\$416
Orientation Fee	\$190	Annual Additional Charges for Single Room (if available)	\$1,100

*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:

Tuition	Fees
In-State \$277	Student Activity Fee \$8
Out-of-State \$599	
NEHBE \$416	

Vermont State Colleges In-State Residency Requirement Policy

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

The applicant shall be domiciled in Vermont, said domicile having been continuous for one year immediately prior to the date of application unless the student has been in the Armed Services, Peace Corps, or other recognized national service organization, and has retained Vermont as his/her permanent address during the period of absence, and has returned to Vermont immediately following discharge from these services. Changes in residency status shall become effective for the semester following the date of reclassification. Domicile shall mean a person's true, fixed and

permanent home, to which he intends to return when absent. A residence established for the purpose of attending an educational institution or qualifying for resident status for tuition purposes shall not of itself constitute domicile. Domicile shall not be dependent upon the applicant's marital status.

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

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

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

Explanation of Fees

Room and Board

Room (housing) is applicable to all full-time, unmarried, non-local, matriculated residents as a condition of admission and enrollment, to the extent that campus housing is available. Students residing on campus are billed for a meal plan and may also purchase additional meal points. After the opening of a semester, any student who moves out of college residential halls without permission of the Director of Residential Life may not be entitled to receive any refund of room charges. Commuters may purchase meal points for use at the snack bar or college dining hall at discount 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. A student (or her/his parents in the case of minors) must present written proof to the Business Office certifying that she/he is covered by insurance to be exempted from the College insurance fee. A waiver card is enclosed with the semester billing.

Late Financial Clearance Fee

This fee can be charged to students who do not meet the published deadline for return of any required forms mailed with semester billing information.

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.

Orientation 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

If you are accepted for admission to the College, you 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 Registrar's 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.

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

Students enrolled at Lyndon State College who are 62 years or older will receive a 50 percent tuition reduction. All fees are charged at full cost. Tuition waivers will be granted only on a space-available basis. The remaining tuition may not be reduced by any other tuition waiver.

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 budget plan administered by Academic Management Services; for details please contact the Business Office.

A deferred payment plan is also available and is a short-term loan between you and the college whereby you agree to pay a fixed sum to cover part or all of your bill. You must fall into one of the following categories:

1. be a veteran receiving monthly veteran's benefits;
2. be a Social Security recipient receiving monthly benefits;
3. have financial aid or a Guaranteed Student Loan pending but not received by the college by the first day of school; or
4. have written proof that some other source of funding is pending and will be available before the middle of the semester (examples would be work-study jobs or a scholarship from a hometown organization).

Remember, some type of written proof that one of the above sources of funding is available is necessary to receive this general payment deferral, which is available up to a maximum of \$1000. The term of a deferred payment contract cannot extend beyond the 12th week of the semester for which it is granted.

A deferred payment contract requires added administrative costs and results in the loss of interest income, therefore, each deferred payment plan will require a fixed service charge of up to three percent to cover these administrative costs. Payments not received by the due date are subject to a \$15 late payment fee.

Late Payment Fee

Late payment fees are charged if clearance from the Business Office is not received by the end of the first week of classes. After that date, a \$5 per day penalty fee may be charged. After the end of the third week of classes, a \$100 late fee may be assessed to all students who have still failed to obtain clearance. Clearance by the Business Office 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 Academic Management Services 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.

Degree Programs List

Degree Programs

The following list represents Lyndons undergraduate degree programs for the 2006-2007 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.

Business Administration

Business Administration (A.S.)

Accounting (B.S.)

Business Administration (B.S.)

Business Administration

Computer Information Systems
e-Business
Small Business Management and Entrepreneurship (B.S.)

Digital and Graphic Arts

Graphic Design (A.S.)
Graphic Design (B.A.)
Graphic Design
Illustration
Digital Media (A.S.)
Digital Media (B.A.)

Education

Elementary Education (B.S.)
Early Childhood Education¹
Elementary Education^{1,2}
Special Education - Special Educator (K-8)

English & Philosophy

English (B.A.)
Literature and Cultural Studies
Journalism and Creative Writing
Secondary Education (Licensure Program)²

Exercise Science

Exercise Science (B.S.)
Secondary Areas:
Strength and Conditioning - Health and Fitness
Sport Management
Sport 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.)
Interdisciplinary Liberal Studies (B.A.)

Mathematics & Computer Science

Computing (A.S.)
Computer Information Systems/Business (B.S.)
Computer Information Systems/Meteorology (B.S.)
Mathematics (B.A.)
Pure Mathematics
Applied Mathematics
Secondary Education (Licensure Program)²

Meteorology

Meteorology (B.S.)
American Meteorological Society/Graduate School

National Weather Service/Military
Broadcasting
Private Industry
Geographic Information Systems

Natural Sciences

Environmental Science (B.S.)
Natural Science (B.S.)
Secondary Education (Licensure Program)²

Psychology

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

Recreation Resource & Ski Resort Management

Recreation Resource & Ski Resort Management (B.S.)
Adventure-Based Program Management
Natural Resource GIS Mapping and Planning
Ski Resort Management
Geographic Information Systems/Global Positioning Systems (A.S.)

Social Sciences

Social Sciences (B.A.)
Global Studies (B.A.)
Secondary Education (Licensure Program)²

Television Studies

Television Production (A.S.)
TV News (A.S.)
Television Studies (B.S.)
Broadcast News
Broadcast Design & Production

Master of Education²

Master of Science for Teachers²

1. Vermont Teaching License available
2. See Graduate Section of this Catalog

Graduate Certificate in Leadership

Minor Programs

Anthropology/Sociology
Applied Group Leadership
Biology
Business
Chemistry
Digital Media
English
Foundations of Social Research
Gender Studies
Geology

Global Studies
 Graphic Design
 History
 Human Services
 International Studies
 Marketing
 Mathematics
 Meteorology
 Music
 Philosophy
 Physics
 Political Science
 Psychology
 Theater

Degree Programs & General Education

Lyndon offers eight Associate Degree programs, which may be completed in two years; 21 Bachelors programs, which may be completed in four years; and three Masters programs, which may be completed in one to five years. Further information on the Lyndon Masters programs is available in the Graduate Section of this Catalog.

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

In order to receive a degree from Lyndon, all students are required to take a minimum number of credit hours at Lyndon. For all undergraduates this residency requirement stipulates that 30 of the last 39 credit hours must be achieved in courses taken at the college. The minimum number of credits within a program that must be taken at the college is: major - 12; minors - 6; Liberal Studies Degree Primary Area - 6; Secondary Area - 3.

Requirements for undergraduate degrees may be summarized as follows:

Associate in Science	Associate in Arts	Bachelor of Arts or Science
General Education, 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

AHS Exercise Sciences

ANT Anthropology

ART Art

BIO Biology

BUS Business
CHE Chemistry
CIS Computer Information Science
GER German
IDM Digital Media
ECO Economics
EDU Education
ENG English
ENV Environmental Science
FLL Foreign Language
FRE French
GEO Geography
GEY Geology
GIS Geographic Information Systems
DGC Graphic Design
HIS History
HUM Humanities
INT Interdisciplinary Seminar
LED Leadership Education
MAT Mathematics
MET Meteorology
MUS Music
PHI Philosophy
PED Physical Education
PHY Physics
PLE Placement: English
PLM Placement: Math

POS Political Science

PSY Psychology

OER Recreation

RUS Russian

SCI Science

SED Science Education

SOC Sociology

SPA Spanish

SSC Social Science

THA Theater

TVS Television Studies

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. Students not completing the GEU Core course requirement by the end of the sophomore year will not be granted junior standing until such time as they fulfill the requirement.

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.

General Education Unit (GEU)

Minimum 42 credits, required of all baccalaureate programs and the Associate of Arts in General Studies.

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.

- ENG 1051 - Introduction to College Writing Credits: 3
Advised Term 1st year
- ENG 1052 - Exposition and Analysis Credits: 3
Advised Term 1st year
- INT 1020 - Entering an Academic Community Credits: 2
Advised Term 1st semester

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, Fundamentals of 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 1070 - Advanced Concepts of Microcomputer Spreadsheets & Databases Credits: 3
Advised Term 1st/2nd year
- CIS 2011 - Visual Basic Programming Credits: 3
Advised Term 1st/2nd year
- CIS 2031 - C 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
- MAT 2120 - Discrete Structures 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: One 3 Credit Course

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

Humanities: One 3 Credit Course

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

Natural Sciences: One 3 Credit Course

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

Social Sciences: One 3 Credit Course

- 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 under graduate 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

Business Administration

David Bradley, Professor
Gordon Haym, Assistant Professor
Mark Hilton, Associate Professor
Linda Mitchell, Professor
Rachel Siegel CFA, Professor

A.S. Business Administration

B.S. Accounting

B.S. Business Administration

Business Administration

Computer Information Systems

e-Business

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 - AS Degree

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 2125 - Management Accounting, Planning, and Control 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 from the courses for Business Concentration that follow:

Courses for Business Concentration

Each of the following courses partially fulfills requirements for the business concentration unless it is part of the core for a specific degree program. Courses in the core for B.S. degrees and not in the core for A.S. degrees also may be used for A.S. concentration courses if they have an alphanumeric designator of ACC/BUS/ECO 2000 or higher. (Other business courses may be included as approved by the department.)

- ACC 2230 - Federal Taxes Credits: 3
- ACC 3025 - Cost Management Credits: 3
- ACC 3111 - Advanced Intermediate Accounting I Credits: 4
- ACC 3112 - Advanced Intermediate Accounting II Credits: 4
- ACC 4021 - Advanced Accounting I Credits: 3
- ACC 4022 - Advanced Accounting II Credits: 3
- ACC 4030 - Government and Non-Profit Accounting Credits: 3
- ACC 4050 - Auditing and Assurance Services Credits: 3
- BUS 2060 - Money and Capital Markets Credits: 3
- BUS 2140 - Personal Finance Credits: 3
- BUS 2235 - Service Marketing Credits: 3
- BUS 2250 - Business Ethics Credits: 3
- BUS 2410 - Human Resources Management Credits: 3
- BUS 2710 - Seminar in Business Credits: 3
- BUS 3030 - Customer Satisfaction Credits: 3
- BUS 3060 - Consumer Behavior Credits: 3
- BUS 3120 - Business and Financial Reporting Software Credits: 3
- BUS 3132 - Business Law II Credits: 3
- BUS 3160 - Sales Management and Selling Credits: 3
- BUS 3210 - Advertising Management Credits: 3
- BUS 3240 - International Business Credits: 3
- BUS 3260 - Investment and Portfolio Management Credits: 3
- BUS 3350 - Entrepreneurship Credits: 3
- BUS 3360 - The Small Business Plan Credits: 3
- BUS 3810 - Business Internship Credits: 1 to 12
- BUS 4030 - Marketing Research Credits: 3
- BUS 4120 - The Operating Manager Credits: 3
- BUS 4150 - Quantitative Business Decision-Making Credits: 3
- BUS 4160 - Financial Analysis Credits: 3
- BUS 4240 - Small Business Marketing and Sales Credits: 3
- BUS 4260 - Financing and Financial Management of Emerging Enterprises Credits: 3
- BUS 4270 - Entrepreneurial Strategy Credits: 3
- BUS 4710 - Topics in Business Credits: 3
- BUS 4910 - Independent Study Credits: 3
- IDM 3030 - e-Business Fundamentals Credits: 3

Bachelor of Science

Accounting

Minimum required credits for the program: 73

Requirements for the Bachelor of Science in Accounting

- ACC 2121 - Financial Accounting Credits: 4
Advised Term 1st/2nd Year
- ACC 2125 - Management Accounting, Planning, and Control Credits: 4
Advised Term 2nd Year
- ACC 2230 - Federal Taxes Credits: 3
Advised Term 3rd Year
- ACC 3025 - Cost Management Credits: 3
Advised Term 2nd Year
- ACC 3111 - Advanced Intermediate Accounting I Credits: 4
Advised Term 3rd Year
- ACC 3112 - Advanced Intermediate Accounting II Credits: 4
Advised Term 3rd Year
- ACC 4021 - Advanced Accounting I Credits: 3
Advised Term 4th Year
- ACC 4022 - Advanced Accounting II Credits: 3
Advised Term 4th Year
- ACC 4050 - Auditing and Assurance Services Credits: 3
Advised Term 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 1st Year
- BUS 3150 - Production/Operations Management Credits: 3
Advised Term 3rd Year
- BUS 3230 - Financial Management Credits: 3
Advised Term 3rd Year
- BUS 3250 - Organizational Behavior in Business Credits: 3
Advised Term 3rd 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 Administration

Minimum required credits for the program - 65

Requirements for the Bachelor of Science in Business Administration

Business Administration Core: (53 Credits)

- ACC 2121 - Financial Accounting Credits: 4
Advised Term 1st/2nd Year
- ACC 2125 - Management Accounting, Planning, and Control 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: 1 to 12
or BUS 4830
Advised Term 4th Year
- BUS 4060 - Strategic Management Credits: 3
Advised Term 4th Year
- BUS 4830 - Senior Practicum Credits: 3
or BUS 3810
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 from the Business Concentration list that follows:

Courses for Business Concentration

Each of the following courses partially fulfills requirements for the business concentration unless it is part of the core for a specific degree program. Courses in the core for B.S. degrees and not in the core for A.S. degrees also may be used for A.S. concentration courses if they have an alphanumeric designator of ACC/BUS/ECO 2000 or higher. (Other business courses may be included as approved by the department.)

- ACC 2230 - Federal Taxes Credits: 3
- ACC 3025 - Cost Management Credits: 3
- ACC 3111 - Advanced Intermediate Accounting I Credits: 4
- ACC 3112 - Advanced Intermediate Accounting II Credits: 4
- ACC 4021 - Advanced Accounting I Credits: 3
- ACC 4022 - Advanced Accounting II Credits: 3
- ACC 4030 - Government and Non-Profit Accounting Credits: 3
- ACC 4050 - Auditing and Assurance Services Credits: 3
- BUS 2060 - Money and Capital Markets Credits: 3
- BUS 2140 - Personal Finance Credits: 3
- BUS 2235 - Service Marketing Credits: 3
- BUS 2250 - Business Ethics Credits: 3
- BUS 2410 - Human Resources Management Credits: 3
- BUS 2710 - Seminar in Business Credits: 3
- BUS 3030 - Customer Satisfaction Credits: 3
- BUS 3060 - Consumer Behavior Credits: 3
- BUS 3120 - Business and Financial Reporting Software Credits: 3
- BUS 3132 - Business Law II Credits: 3
- BUS 3160 - Sales Management and Selling Credits: 3
- BUS 3210 - Advertising Management Credits: 3
- BUS 3240 - International Business Credits: 3
- BUS 3260 - Investment and Portfolio Management Credits: 3
- BUS 3350 - Entrepreneurship Credits: 3
- BUS 3360 - The Small Business Plan Credits: 3
- BUS 3810 - Business Internship Credits: 1 to 12
- BUS 4030 - Marketing Research Credits: 3
- BUS 4120 - The Operating Manager Credits: 3
- BUS 4150 - Quantitative Business Decision-Making Credits: 3
- BUS 4160 - Financial Analysis Credits: 3
- BUS 4240 - Small Business Marketing and Sales Credits: 3
- BUS 4260 - Financing and Financial Management of Emerging Enterprises Credits: 3
- BUS 4270 - Entrepreneurial Strategy Credits: 3

- BUS 4710 - Topics in Business Credits: 3
- BUS 4910 - Independent Study Credits: 3
- IDM 3030 - e-Business Fundamentals Credits: 3

Business Administration — Computer Information Systems

Minimum required credits for the program - 65

Requirements for the Bachelor of Science in Business Administration - Computer Information Systems

Business Administration - Computer Information Systems Core: (50 Credits)

- ACC 2121 - Financial Accounting Credits: 4
Advised Term 1st/2nd Year
- ACC 2125 - Management Accounting, Planning, and Control 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 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

Introductory Theory: (Choose One)

- CIS 2011 - Visual Basic Programming Credits: 3
- CIS 2031 - C Programming Credits: 3

Advanced Theory: (Choose One)

- CIS 2032 - C++ Programming Credits: 3
- CIS 2142 - Advanced Visual Basic Credits: 3

Applications: (Choose Three)

- BUS 3810 - Business Internship Credits: 1 to 12
- CIS 3060 - Advanced Programming Credits: 3
- CIS 3110 - Networking Credits: 3
- CIS 4120 - Systems Analysis and Design Credits: 3
- CIS 4810 - Internship in Computer Science Credits: 6

Business Administration — e-Business

Minimum required credits for the program: 65

Requirements for the Bachelor of Science in Business Administration - e-Business

Business Administration - e-Business Core: (50 Credits)

- ACC 2121 - Financial Accounting Credits: 4
Advised Term 1st/2nd Year
- ACC 2125 - Management Accounting, Planning, and Control 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 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

Applications: (15 Credits)

Required: (9 Credits)

- BUS 4420 - e-business Sales and Marketing Credits: 3
- CIS 2141 - Programming Internet and Web Applications Part I Credits: 3
- IDM 3030 - e-Business Fundamentals Credits: 3

Choose 1 From:

- CIS 3120 - Programming Internet and Web Applications Part II Credits: 3
OR
- IDM 2050 - Web Design and Digital Imaging Credits: 3

Choose One From:

- BUS 3810 - Business Internship Credits: 1 to 12
Needs permission and must be internet related.
- BUS 4830 - Senior Practicum Credits: 3

Small Business Management & Entrepreneurship

Minimum required credits for the program - 68

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

Small Business Management & Entrepreneurship Core: (62 Credits)

- ACC 2121 - Financial Accounting Credits: 4
Advised Term 1st/2nd Year
- ACC 2125 - Management Accounting, Planning, and Control 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 3810 - Business Internship Credits: 1 to 12
 - or BUS 4830
 - Advised Term 4th Year
- BUS 4020 - Small Business Problems Credits: 3
 - Advised Term 4th Year
- BUS 4240 - Small Business Marketing and Sales Credits: 3
 - Advised Term 4th Year
- BUS 4260 - Financing and Financial Management of Emerging Enterprises Credits: 3
 - Advised Term 4th Year
- BUS 4270 - Entrepreneurial Strategy Credits: 3
 - Advised Term 4th Year
- BUS 4830 - Senior Practicum Credits: 3
 - or BUS 3810
 - Advised Term 4th Year
- ECO 2030 - Microeconomics Credits: 3
 - Advised Term 1st/2nd Year
- IDM 3030 - e-Business Fundamentals Credits: 3
 - Advised Term 3rd Year
- MAT 2021 - Statistics Credits: 3
 - Advised Term 2nd Year

Courses for Entrepreneurship Concentration: (Choose 6 Credit Hours)

- BUS 3030 - Customer Satisfaction Credits: 3
- BUS 3060 - Consumer Behavior Credits: 3
- BUS 3120 - Business and Financial Reporting Software Credits: 3
- BUS 3150 - Production/Operations Management Credits: 3
- BUS 3230 - Financial Management Credits: 3
- BUS 3810 - Business Internship Credits: 1 to 12

- BUS 4030 - Marketing Research Credits: 3
- BUS 4150 - Quantitative Business Decision-Making Credits: 3
- BUS 4160 - Financial Analysis Credits: 3
- ECO 2020 - Macroeconomics Credits: 3

Minor

Business Minor

Minimum required credits for the program: 19

Minor in Business Core: (19 Credits)

- 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
OR BUS-3360 The Small Business Plan
- BUS 2230 - Principles of Marketing Credits: 3
- BUS 3360 - The Small Business Plan Credits: 3
OR BUS-2020 Principles of Management

Marketing Minor

Minimum required credits for the program: 18

Minor in Marketing Core: (12 Credits)

- 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

Two Additional Courses Selected From: (6 Credits)

- BUS 2235 - Service Marketing Credits: 3
- BUS 3030 - Customer Satisfaction Credits: 3
- BUS 3060 - Consumer Behavior 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
- DGC 3150 - Package Design Credits: 3

- DGC 4020 - Branding and Corporate Identity Credits: 3
- IDM 1015 - Web Style and Usability Credits: 3
- IDM 3030 - e-Business Fundamentals Credits: 3
- OER 3110 - Public Relations Credits: 3
- TVS 1010 - Introduction to Media Communication Credits: 3

Digital and Graphic Arts

Kelly Glentz Brush, Assistant Professor

Harry Mueller, Assistant Professor

Philp Parisi, Assistant Professor

Barclay Tucker, Assistant Professor

B.A Digital Media

B.A. Graphic Design

Graphic Design

Illustration

A.S Digital Media

A.S. Graphic Design

Minors: Digital Media, Graphic Design

Mission Statement

In a spirited and engaging environment, the Digital and Graphic Arts Department creates a real-to-life professional climate. The program fosters creative, independent thinking and teaches technical design skills while strongly emphasizing aesthetics and concept. Both in and out of the classroom, students prepare for a professional career in graphic design, illustration or web design and development. Our students leave with a passion for design.

Common Program Goals

Upon completion of the program 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 design and or web development process
- Competency and creative skills in using graphic design or web design software
- An ability to work collaboratively and independently in solving specific design problems

Acceptance into the Digital and Graphic Arts Majors

Prior to completion of the sophomore year, students majoring in either Graphic Design or Digital Media 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 design work completed over the first year and a half of Graphic Design and/or Digital Media related courses and the recommendation of the full time faculty in the department based on the review of the portfolio.

Program Assessment

There are three primary ways in which the Digital and Graphic Arts Department assesses its program goals: design studio client evaluations, internship supervisor evaluations, and sophomore/senior portfolio reviews.

Associate of Science

Digital Media - Associate of Science

Minimum required credits for the program: 27

Requirements for the Associate of Science in Digital Media

Introductory and Foundational Courses: (18 Credits)

- CIS 2141 - Programming Internet and Web Applications Part I Credits: 3
Advised Term 2nd Year
- DGC 1010 - Introduction to Graphic Design I Credits: 3
Advised Term 1st Year
- DGC 1011 - Introduction to Graphic Design II Credits: 3
Advised Term 2nd Year
- DGC 2025 - Photographic Manipulation Software for Design Credits: 3
Advised Term 2nd Year
- IDM 1015 - Web Style and Usability Credits: 3
Advised Term 1st Year
- IDM 2050 - Web Design and Digital Imaging Credits: 3
Advised Term 2nd Year

Choose 1 Intermediate Course: (3 Credits)

- IDM 2160 - Instructional Technology Credits: 3
Advised Term 1st Year
- IDM 3040 - Motion Graphics Credits: 3
Advised Term 2nd Year
- IDM 3050 - Non-Linear Video Editing Credits: 3
Advised Term 2nd Year

Secondary Requirements: (6 Credits)

Self designed program of study in Graphic Design or Computer Science. Students must work closely with their academic advisor to develop a coherent integration with digital media.

Graphic Design

Minimum required credits for the program: 27

Requirements for the Associate of Science in Graphic Design

Graphic Design Core: (18 Credits)

- DGC 1010 - Introduction to Graphic Design I Credits: 3
Advised Term 1st Year
- DGC 1011 - Introduction to Graphic Design II Credits: 3
Advised Term 1st Year
- DGC 1025 - Typography for Design Credits: 3
Advised Term 1st Year
- DGC 2015 - Illustration Software for Design Credits: 3
Advised Term 2nd Year
- DGC 2025 - Photographic Manipulation Software for Design Credits: 3
Advised Term 2nd Year
- DGC 2035 - Page Layout Software for Design Credits: 3
Advised Term 2nd Year

Elective Courses: (9 Credits in DGC)

Bachelor of Arts

Digital Media

Minimum required credits for the program: 45

Requirements for the Bachelor of Arts in Digital Media

Introductory and Foundational Courses: (24 Credits)

- CIS 2141 - Programming Internet and Web Applications Part I Credits: 3
Advised Term 2nd Year
- DGC 1010 - Introduction to Graphic Design I Credits: 3
Advised Term 2nd Year
- DGC 1011 - Introduction to Graphic Design II Credits: 3
Advised Term 2nd Year
- DGC 2025 - Photographic Manipulation Software for Design Credits: 3
Advised Term 3rd Year
- IDM 1015 - Web Style and Usability Credits: 3
Advised Term 1st Year
- IDM 2050 - Web Design and Digital Imaging Credits: 3
Advised Term 2nd Year
- IDM 3040 - Motion Graphics Credits: 3
Advised Term 2nd/3rd Year
- IDM 3050 - Non-Linear Video Editing Credits: 3
Advised Term 3rd Year

Collaborative Projects: (6 Credits)

Choose 2 out of 3 courses:

- IDM 2160 - Instructional Technology Credits: 3
Advised Term 1st Year
- IDM 3020 - Virtual Arts and Sciences Credits: 3
Advised Term 3rd Year
- IDM 3030 - e-Business Fundamentals Credits: 3
Advised Term 3rd Year

Advanced Computer Applications and Exploratory Courses: (9 Credits)

- IDM 3810 - Special Interests On The Web Credits: 3
Advised Term 3rd Year
- IDM 4010 - Multimedia Authoring Credits: 3
Advised Term 4th Year
- IDM 4020 - Basic 3D Animation Credits: 3
Advised Term 4th Year

Senior Completion Courses: (1 Credit)

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

Choose 1 Senior Collaborative Completion Course: (5 Credits)

- IDM 4030 - Digital Media Studio Credits: 5
Advised Term 4th Year
- IDM 4810 - Senior Internship Credits: 3 to 9
Advised Term 4th Year

Graphic Design — Graphic Design Concentration

Minimum required credits for program - 50

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

Graphic Design Core: (35 Credits)

- DGC 1010 - Introduction to Graphic Design I Credits: 3
Advised Term 1st Year
- DGC 1011 - Introduction to Graphic Design II Credits: 3
Advised Term 1st Year
- DGC 1025 - Typography for Design Credits: 3
Advised Term 1st Year
- DGC 2015 - Illustration Software for Design Credits: 3
Advised Term 2nd Year
- DGC 2025 - Photographic Manipulation Software for Design Credits: 3
Advised Term 2nd Year

- DGC 2035 - Page Layout Software for Design Credits: 3
Advised Term 2nd Year
- DGC 2045 - Survey of the Visual Arts Credits: 3
Advised Term 1st or 2nd Year
- DGC 2050 - Illustration Credits: 3
Advised Term 2nd Year
- DGC 3111 - Design for Print Credits: 3
Advised Term 3rd Year
- DGC 4010 - Designing a Portfolio Credits: 2
Advised Term 4th Year
- ENG 2020 - Understanding the Writing Process Credits: 3
Advised Term 1st or 2nd Year

Practicum (minimum of 3 credits)

Take one of the following:

- DGC 4811 - Graphic Design Internship Credits: 1 to 6
- DGC 4812 - Graphic Design Studio Credits: 3 to 6

Courses for the Bachelor of Arts in Graphic Design - Graphic Design Concentration: (15 Credits)

- ART 2301 - Photography I Credits: 3
Advised Term 1st or 2nd Year
- DGC 3035 - Advanced Typography/Layout Credits: 3
Advised Term 3rd or 4th Year
- DGC 4020 - Branding and Corporate Identity Credits: 3
Advised Term 4th Year
- DGC 4025 - Advanced Design Software Credits: 3
Advised Term 3rd or 4th Year

Design Distribution (Take One of the Following):

Advised Term – 3rd/4th year

- DGC 3120 - Book Design & Publishing Credits: 3
- DGC 3140 - Environmental Graphic Design Credits: 3
- DGC 3150 - Package Design Credits: 3

Graphic Design — Illustration Concentration

Minimum required credits for program - 50

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

Graphic Design Core: (35 Credits)

- DGC 1010 - Introduction to Graphic Design I Credits: 3
Advised Term 1st Year
- DGC 1011 - Introduction to Graphic Design II Credits: 3
Advised Term 1st Year
- DGC 1025 - Typography for Design Credits: 3
Advised Term 1st Year
- DGC 2015 - Illustration Software for Design Credits: 3
Advised Term 2nd Year
- DGC 2025 - Photographic Manipulation Software for Design Credits: 3
Advised Term 2nd Year
- DGC 2035 - Page Layout Software for Design Credits: 3
Advised Term 2nd Year
- DGC 2045 - Survey of the Visual Arts Credits: 3
Advised Term 1st or 2nd Year
- DGC 2050 - Illustration Credits: 3
Advised Term 2nd Year
- DGC 3111 - Design for Print Credits: 3
Advised Term 3rd Year
- DGC 4010 - Designing a Portfolio Credits: 2
Advised Term 4th Year
- ENG 2020 - Understanding the Writing Process Credits: 3
Advised Term 1st or 2nd Year

Practicum (minimum of 3 credits)

Take one of the following

- DGC 4811 - Graphic Design Internship Credits: 1 to 6
- DGC 4812 - Graphic Design Studio Credits: 3 to 6

Courses for the Bachelor of Arts in Graphic Design - Illustration Concentration: (15 Credits)

- ART 3010 - Drawing Credits: 3
Advised Term 2nd or 3rd Year
- DGC 3050 - Advanced Illustration Credits: 3
Advised Term 3rd or 4th Year
- DGC 4050 - Children's Book Illustration Credits: 3
Advised Term 3rd or 4th Year

Drawing Distribution (Take One of the Following):

- ART 1040 - Questioning Art Credits: 3
- ART 2060 - Applied Art Credits: 3
- ART 3010 - Drawing Credits: 3
- ART 3050 - Painting Credits: 3
- DGC 2055 - Onsite Illustration Credits: 3

Graphic Design Distribution (Take One of the Following):

Advised Term 3rd or 4th Year

- DGC 3035 - Advanced Typography/Layout Credits: 3
- DGC 3120 - Book Design & Publishing Credits: 3
- DGC 3140 - Environmental Graphic Design Credits: 3
- DGC 3150 - Package Design Credits: 3
- DGC 4020 - Branding and Corporate Identity Credits: 3
- DGC 4025 - Advanced Design Software Credits: 3

Minor

Digital Media Minor

Minimum required credits for the minor: 18

Requirements for Minor in Digital Media

Introductory and Foundational Courses: (12 Credits)

- CIS 2141 - Programming Internet and Web Applications Part I Credits: 3
Advised Term 2nd Year
- IDM 1015 - Web Style and Usability Credits: 3
Advised Term 1st Year
- IDM 2050 - Web Design and Digital Imaging Credits: 3
Advised Term 2nd Year
- IDM 2160 - Instructional Technology Credits: 3
Advised Term 1st or 2nd Year

Secondary Requirements: (6 Credits)

Self designed program of study in Graphic Design or Computer Science. Students must work closely with their academic advisor to develop a coherent integration with digital media.

Graphic Design

Minimum required credits for the minor: 18

Minor in Graphic Design Core: (18 Credits)

- DGC 1010 - Introduction to Graphic Design I Credits: 3
Advised Term 1st Year
- DGC 1011 - Introduction to Graphic Design II Credits: 3
Advised Term 1st Year
- DGC 1025 - Typography for Design Credits: 3
Advised Term 2nd Year
- DGC 2015 - Illustration Software for Design Credits: 3
Advised Term 2nd Year

- DGC 2025 - Photographic Manipulation Software for Design Credits: 3
Advised Term 2nd Year
- DGC 2035 - Page Layout Software for Design Credits: 3
Advised Term 2nd Year

Education

Ernest Broadwater, Professor
Marilynn Davis, Assistant 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
Paraeducator Certificate
Special Education - Special Educator (K-8)
- Class Programs
- Resource Teacher Programs

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, Interdisciplinary Liberal Studies, or one of the Liberal Arts and Sciences.

The core program, student teaching, and approval of a final portfolio allow students to become licensed to teach in the self-contained elementary classroom.

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

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

Program Goals

Our goals articulate the unifying theme of our college-wide teaching programs: "Teaching is Learning." The Education Program's 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.

Travel and Study in England

Occasionally, students have the opportunity to visit and observe a variety of classrooms in English schools during summers. This experience is coordinated with visits to sites of historical and cultural interest. With permission of the department, students may complete half of their student teaching in an English school in a fall or spring term.

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. At the end of the second semester of the sophomore year, the department will review reading and math competencies as well as the cumulative grade-point average expected (2.50 overall and 2.75 major).
4. Students must pass the Praxis I standardized test in order to be accepted to the Education major.
5. 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 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 also required. 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. Praxis I results must be on file at the college prior to the first of November before registering for Teaching Apprenticeship.
2. Praxis 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.

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 and receive a positive recommendation from the college supervisor.

Second Major: Liberal Arts

Every elementary education student 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.

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	Allied Health 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. 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.

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 1999-2000, 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.

Bachelor of Science

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

Minimum required credits for the program: 67
in addition to B.A. Liberal Studies

Course Requirements for the Early Childhood License (Pre K-Grade 3)

Early Childhood License Core: (43 Credits)

- EDU 2110 - Introduction to Exceptional Student Populations Credits: 3
Advised Term 2nd Year
- EDU 2210 - Foundations of Education: Elementary and Special Education Credits: 3
Advised Term 1st Year
- EDU 2840 - Field Experience Credits: 3
Advised Term 2nd Year
- EDU 3020 - Educational Psychology Credits: 3
Advised Term 2nd Year
- EDU 3310 - Behavior Management Credits: 1.5
Advised Term 3rd Year
- EDU 3320 - Planning and Organization Credits: 1.5
Advised Term 2nd Year
- EDU 3350 - Teaching the Language Arts and Writing Process Credits: 3
Advised Term 2nd Year
- EDU 3510 - Individualizing Instruction Credits: 1.5
Advised Term 3rd Year
- EDU 3520 - Mathematics Methods Credits: 2
Advised Term 2nd Year
- EDU 3530 - Social Science Methods Credits: 1.5
Advised Term 3rd Year
- EDU 3540 - Reading and Literacy Development Credits: 3
Advised Term 3rd Year
- EDU 3550 - Computers in the Classroom Credits: 1
Advised Term 2nd Year
- EDU 3560 - Science and Health Methods Credits: 1
Advised Term 3rd Year
- EDU 3810 - Teaching Apprenticeship Credits: 9
Advised Term 3rd Year
- EDU 4720 - Student Teaching Seminar Credits: 3
Advised Term 4th Year
- MAT 2010 - Number Systems Credits: 3
Advised Term 1st Year
- PSY 1050 - Human Growth and Development Credits: 3
Advised Term 1st 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: 7 to 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: 58
in addition to B.A. Liberal Studies

Course Requirements for the Elementary License

Elementary License Core: (43 Credits)

- EDU 2110 - Introduction to Exceptional Student Populations Credits: 3
Advised Term 2nd Year
- EDU 2210 - Foundations of Education: Elementary and Special Education Credits: 3
Advised Term 1st Year
- EDU 2840 - Field Experience Credits: 3
Advised Term 2nd Year
- EDU 3020 - Educational Psychology Credits: 3
Advised Term 2nd Year
- EDU 3310 - Behavior Management Credits: 1.5
Advised Term 3rd Year
- EDU 3320 - Planning and Organization Credits: 1.5
Advised Term 2nd Year
- EDU 3350 - Teaching the Language Arts and Writing Process Credits: 3
Advised Term 2nd Year
- EDU 3510 - Individualizing Instruction Credits: 1.5
Advised Term 3rd Year
- EDU 3520 - Mathematics Methods Credits: 2
Advised Term 2nd Year
- EDU 3530 - Social Science Methods Credits: 1.5
Advised Term 3rd Year
- EDU 3540 - Reading and Literacy Development Credits: 3
Advised Term 3rd Year
- EDU 3550 - Computers in the Classroom Credits: 1
Advised Term 2nd Year
- EDU 3560 - Science and Health Methods Credits: 1
Advised Term 3rd Year
- EDU 3810 - Teaching Apprenticeship Credits: 9
Advised Term 3rd Year
- EDU 4720 - Student Teaching Seminar Credits: 3
Advised Term 4th Year
- MAT 2010 - Number Systems Credits: 3
Advised Term 1st Year
- PSY 1050 - Human Growth and Development Credits: 3
Advised Term 1st Year

Concentration: (12 Credits)

- EDU 4811 - Teaching Elementary Education Credits: 7 to 12
Advised Term 4th Year

Elementary Education — Special Educator (K-8) License

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

Course Requirements for the Special Educator (K-8) License

Special Educator (K-8) Core: (43 Credits)

- EDU 2110 - Introduction to Exceptional Student Populations Credits: 3
Advised Term 2nd Year
- EDU 2210 - Foundations of Education: Elementary and Special Education Credits: 3
Advised Term 1st Year
- EDU 2840 - Field Experience Credits: 3
Advised Term 2nd Year
- EDU 3020 - Educational Psychology Credits: 3
Advised Term 2nd Year
- EDU 3310 - Behavior Management Credits: 1.5
Advised Term 3rd Year
- EDU 3320 - Planning and Organization Credits: 1.5
Advised Term 2nd Year
- EDU 3350 - Teaching the Language Arts and Writing Process Credits: 3
Advised Term 2nd Year
- EDU 3510 - Individualizing Instruction Credits: 1.5
Advised Term 3rd Year
- EDU 3520 - Mathematics Methods Credits: 2
Advised Term 2nd Year
- EDU 3530 - Social Science Methods Credits: 1.5
Advised Term 3rd Year
- EDU 3540 - Reading and Literacy Development Credits: 3
Advised Term 3rd Year
- EDU 3550 - Computers in the Classroom Credits: 1
Advised Term 3rd Year
- EDU 3560 - Science and Health Methods Credits: 1
Advised Term 3rd Year
- EDU 3810 - Teaching Apprenticeship Credits: 9
Advised Term 3rd Year
- EDU 4720 - Student Teaching Seminar Credits: 3
Advised Term 4th Year
- MAT 2010 - Number Systems Credits: 3
Advised Term 1st Year
- PSY 1050 - Human Growth and Development Credits: 3
Advised Term 1st 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: 7 to 12
Advised Term 4th Year

Certificate

Paraeducator Certificate

This new certificate program provides skills and knowledge that are essential for paraeducators to work effectively with children in the K-12 system. For more information contact Prof. Timothy Sturm in the Education Department.

Course Requirements for the Paraeducator Certificate: (25 Credits)

- Electives - In addition to the following, take 6 elective credits
- EDU 1010 - Supporting Students With Challenging Behaviors Credits: 2
- EDU 1820 - The Paraeducator in the Classroom Credits: 2
- EDU 2110 - Introduction to Exceptional Student Populations Credits: 3
- EDU 2210 - Foundations of Education: Elementary and Special Education Credits: 3
- EDU 2855 - Practicum for Paraeducators Credits: 3
- PSY 1050 - Human Growth and Development Credits: 3
- SOC 2040 - Race, Ethnicity, Class, and Gender Credits: 3

English and Philosophy

David B. Beliles, Professor

Alan Boye, Professor

Chandler R. Gilman, Associate Professor

David M. Johnston, Assistant Professor

Andrea Luna, Associate Professor

Richard H. Moye, Professor

Elaine Razzano, Associate Professor

Dan Williams, Assistant Professor

Bachelor of Arts in English

Literature and Cultural Studies

Journalism and Writing

Licensure in Secondary Education (see also Secondary Education)

Liberal Studies Concentrations (see also Liberal Studies)

Minors: English, Philosophy

Program Mission Statement

The Department of English and Philosophy provides an ideal balance between the broad preparation of an interdisciplinary liberal arts education and the specific focus of specialized study in a chosen professional or academic field. At the core of the program for all majors is a thorough grounding in writing, literature, and cultural studies, 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, and cultural studies. The program provides flexible alternatives for majors to pursue their particular interests within one of two concentrations: Journalism & Creative Writing or Literature & Cultural Studies.

The department also offers a licensure program for literature students interested in teaching English in grades 7-12. Minors and Liberal Studies programs in English and in Philosophy provide additional opportunities for students to create individual programs in philosophy, literature, writing, or cultural studies.

In addition to the two concentrations, 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 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 and Philosophy seeks:

- to provide students with a vital and substantive understanding of literature, writing, and cultural studies
- 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/intranet/academics/acaddept/eng/dept/assessment.htm .

Bachelor of Arts

English — Journalism and Creative Writing

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

Journalism and Creative Writing Core: (30 Credits)

Writing: (9 credits)

- ENG 2020 - Understanding the Writing Process Credits: 3
Advised Term 2nd/3rd Year
Choose at least two from:
- ENG 2040 - Introduction to News Writing Credits: 3
Advised Term 2nd/3rd Year
- ENG 2130 - Introduction to Writing Poetry Credits: 3
Advised Term 2nd/3rd Year
- ENG 2140 - Introduction to Writing Fiction Credits: 3
Advised Term 2nd/3rd Year
- ENG 2155 - Introduction to Writing for Publication Credits: 3
Advised Term 2nd/3rd Year
- ENG 2250 - Approaches to Literature Credits: 3
Advised Term 2nd/3rd 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 3240 - The Bible as Literature Credits: 3
Advised Term 2nd/3rd Year
- ENG 3250 - Myth, Folklore, and Fairytales Credits: 3
Advised Term 2nd/3rd Year

- PHI 1010 - Introduction to Philosophy Credits: 3
Advised Term 1st/2nd/3rd Year
- PHI 1020 - Critical Thinking Credits: 3
Advised Term 1st/2nd/3rd Year
- PHI 2040 - Ethics Credits: 3
Advised Term 2nd/3rd Year

Capstone:

- ENG 4750 - Senior Seminar Credits: 3
OR
- 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:

- ENG 3040 - Advanced News Writing Credits: 3
- ENG 3050 - Publication Production Credits: 3
- ENG 3150 - Creative Non-Fiction: From Pre-writing to Publication Credits: 3
- ENG 4020 - Law of the Media Credits: 3
- ENG 4030 - Writing and Publication Workshop Credits: 3
- ENG 4810 - Internship in English Credits: 3 to 15

Creative Writing Track:

In addition to the following, choose from any advanced Literature or Cultural Studies courses, with the approval of your advisor.

- ENG 3110 - Creative Writing Workshop Credits: 3
- ENG 3150 - Creative Non-Fiction: From Pre-writing to Publication Credits: 3
- ENG 4030 - Writing and Publication Workshop Credits: 3

English — Literature and Cultural Studies

Minimum required credits for the program: 45

Course 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)

- ENG 2020 - Understanding the Writing Process Credits: 3
Advised Term 2nd/3rd Year
Choose at least two from:
- ENG 2040 - Introduction to News Writing Credits: 3
Advised Term 2nd/3rd Year
- ENG 2130 - Introduction to Writing Poetry Credits: 3
Advised Term 2nd/3rd Year
- ENG 2140 - Introduction to Writing Fiction Credits: 3
Advised Term 2nd/3rd Year
- ENG 2155 - Introduction to Writing for Publication Credits: 3
Advised Term 2nd/3rd Year
- ENG 2250 - Approaches to Literature Credits: 3
Advised Term 2nd/3rd Year
* See note above

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 3240 - The Bible as Literature Credits: 3
Advised Term 1st/2nd/3rd Year
- ENG 3250 - Myth, Folklore, and Fairytales Credits: 3
Advised Term 1st/2nd/3rd Year
- PHI 1010 - Introduction to Philosophy Credits: 3
Advised Term 1st/2nd/3rd Year
- PHI 1020 - Critical Thinking Credits: 3
Advised Term 1st/2nd/3rd Year
- PHI 2040 - Ethics Credits: 3

Advised Term 1st/2nd/3rd Year

Capstone:

- ENG 4750 - Senior Seminar Credits: 3
OR
- ENG 4910 - Portfolio/Thesis Credits: 3
Advised Term 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

Minor

English

Minimum required credits for the program: 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 - Introduction to News Writing Credits: 3
- ENG 2130 - Introduction to Writing Poetry Credits: 3
OR

- ENG 2140 - Introduction to Writing Fiction Credits: 3
- ENG 2155 - Introduction to Writing for Publication Credits: 3
- ENG 2250 - Approaches to Literature 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 3240 - The Bible as Literature Credits: 3
- ENG 3250 - Myth, Folklore, and Fairytales Credits: 3
- PHI 1010 - Introduction to Philosophy Credits: 3
- PHI 1020 - Critical Thinking Credits: 3
- PHI 2040 - Ethics Credits: 3

Advanced Studies:

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

Philosophy

Minor in Philosophy

In addition to the following, choose four additional courses in Philosophy,

- at least three at the 3000-4000 level. Credits: 12

Choose two from:

- PHI 1010 - Introduction to Philosophy Credits: 3
- PHI 1020 - Critical Thinking Credits: 3
- PHI 2040 - Ethics Credits: 3

Exercise Science

Deborah G. Coffin, Associate Professor
 David Pober, Assistant Professor
 Anthony Sgherza, Associate Professor

B.S. Exercise Science:

Secondary Areas:

1. Strength and Conditioning - Health and Fitness
2. Sport Management
3. Exercise Science: Pre-professional allied health (PT, OT, PA) *3+3 (UVM) Pre-professional athletic training *4+2 (PSU)
4. Self-Designed Programs

B.S. Physical Education

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 the B.S. in 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 related to the field of Exercise Sciences.
- the technological and practical skills to access and read the scholarly materials in the field of Exercise Science.
- a demonstration of independent research.

Program Assessment

Career tracks in exercise science offer a strong experiential component via laboratory, practicum, and internship experience. The effectiveness of the departmental and program preparation and the core components of the completed internships are evaluated by the student and the internship supervisor.

A college Internship manual (Student Teaching, Internship, or Pre-professional) is provided for the student and the internship site. One of the Manual's appendices has a form for the intern and the internship site to evaluate the effectiveness of the program in preparing students for this 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 AHS 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. Six 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 self-designed secondary area must be a minimum of 25 credits of course work that has a coherent theme and focus. In designing their own program, the student will work with their academic advisor. 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 and fitness career option are prepared with the knowledge, skills, and abilities to sit for nationally recognized certifications; namely, National Strength and Conditioning Association – Certified Strength and Conditioning Specialist (CSCS) and American College of Sports Medicine – Health Fitness Instructor (HFI).

The Department of Exercise Science at Lyndon State College is recognized by the National Strength and Conditioning Association for successfully meeting established educational program criteria in strength and conditioning.

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.

Bachelor of Science

Exercise Science - Strength and Conditioning - Health and Fitness

Total Credits (plus core): 56 - 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 Instructor (HFI) - American College of Sports Medicine (ACSM).

Exercise Science Core (24 credits)

- AHS 2050 - Human Gross Anatomy Credits: 4
Advised Term 2nd Year
- AHS 2055 - Human Physiology Credits: 4
Advised Term 2nd Year
- AHS 3120 - Kinesiology Credits: 3
Advised Term 3rd Year
- AHS 3150 - Physiology of Exercise Credits: 4

- Advised Term 3rd Year
- AHS 4010 - Motor Development Credits: 3
Advised Term 3rd/4th Year
- AHS 4071 - Assessment of Exercise Science Credits: 3
Advised Term 4th Year
- AHS 4072 - Research Methods in Exercise Science Credits: 3
Advised Term 4th Year

Strength and Conditioning

- AHS 1240 - Fitness for Health Credits: 1
Advised Term 1st Year
- AHS 1250 - Fitness for Performance Credits: 1
Advised Term 1st Year
- AHS 2111 - Care and Prevention of Injuries Credits: 4
Advised Term 1st Year
- AHS 4080 - Fundamentals of Physical Conditioning Credits: 3
Advised Term 4th Year
- AHS 4090 - Exercise Testing, Interpretation, and Intervention Credits: 4
Advised Term 4th Year
- AHS 4130 - Practical Applications in Exercise Science Credits: 2
Advised Term 4th Year
- AHS 4810 - Internship In Exercise Science Credits: 3 to 12
OR
- AHS 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 1031 - General Chemistry I Credits: 4
Advised Term 2nd Year
- PHY 2031 - Fundamental Physics I Credits: 4
Advised Term 3rd Year

Exercise Science — Pre-Professional Athletic Training

Total Credits (plus core): 64 - 73

Exercise Science Core (24 credits)

- AHS 2050 - Human Gross Anatomy Credits: 4
Advised Term 2nd Year
- AHS 2055 - Human Physiology Credits: 4
Advised Term 2nd Year
- AHS 3120 - Kinesiology Credits: 3
Advised Term 3rd Year
- AHS 3150 - Physiology of Exercise Credits: 4
Advised Term 3rd Year

- AHS 4010 - Motor Development Credits: 3
Advised Term 3rd/4th Year
- AHS 4071 - Assessment of Exercise Science Credits: 3
Advised Term 4th Year
- AHS 4072 - Research Methods in Exercise Science Credits: 3
Advised Term 4th Year

Concentration - Pre-Professional Athletic Training

- AHS 1240 - Fitness for Health Credits: 1
Advised Term 1st Year
- AHS 1250 - Fitness for Performance Credits: 1
Advised Term 1st Year
- AHS 2111 - Care and Prevention of Injuries Credits: 4
Advised Term 1st Year
- AHS 2153 - Evaluation & Management of Lower Extremities Credits: 3
Advised Term 2nd Year
- AHS 2154 - Evaluation & Management of Upper Extremities Credits: 3
Advised Term 2nd Year
- AHS 4080 - Fundamentals of Physical Conditioning Credits: 3
Advised Term 4th Year
- AHS 4090 - Exercise Testing, Interpretation, and Intervention Credits: 4
Advised Term 4th Year
- AHS 4130 - Practical Applications in Exercise Science Credits: 2
Advised Term 4th Year
- AHS 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 1031 - General Chemistry I Credits: 4
Advised Term 2nd Year
- PHY 2031 - Fundamental Physics I Credits: 4
Advised Term 3rd Year

Exercise Science — Pre-Professional Physical Therapy

Total Credits (plus core): 52

*This track satisfied 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.

Exercise Science Core (24 credits)

- AHS 2050 - Human Gross Anatomy Credits: 4
Advised Term 2nd Year
- AHS 2055 - Human Physiology Credits: 4
Advised Term 2nd Year

- AHS 3120 - Kinesiology Credits: 3
Advised Term 3rd Year
- AHS 3150 - Physiology of Exercise Credits: 4
Advised Term 3rd Year
- AHS 4010 - Motor Development Credits: 3
Advised Term 3rd/4th Year
- AHS 4071 - Assessment of Exercise Science Credits: 3
Advised Term 4th Year
- AHS 4072 - Research Methods in Exercise Science Credits: 3
Advised Term 4th Year

Concentration - Pre-Professional Physical Therapy

- AHS 1240 - Fitness for Health Credits: 1
Advised Term 1st Year
- AHS 1250 - Fitness for Performance Credits: 1
Advised Term 1st 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

Total Credits (plus core): 54 - 65

Exercise Science Core (24 credits)

- AHS 2050 - Human Gross Anatomy Credits: 4
Advised Term 2nd Year
- AHS 2055 - Human Physiology Credits: 4
Advised Term 2nd Year
- AHS 3120 - Kinesiology Credits: 3
Advised Term 3rd Year
- AHS 3150 - Physiology of Exercise Credits: 4
Advised Term 3rd Year

- AHS 4010 - Motor Development Credits: 3
Advised Term 3rd/4th Year
- AHS 4071 - Assessment of Exercise Science Credits: 3
Advised Term 4th Year
- AHS 4072 - Research Methods in Exercise Science Credits: 3
Advised Term 4th Year

Concentration - Self Designed Program

- AHS 4810 - Internship In Exercise Science Credits: 3 to 12
OR
- AHS 4820 - Practicum in Exercise Science Credits: 1 to 6
Advised Term 4th Year
- BIO 1210 - Introduction to Biology Credits: 4
OR
- CHE 1031 - General Chemistry I Credits: 4
Advised Term 1st or 2nd Year
Additional Courses in consultation with advisor.

Exercise Science — Sports Management/Minor in Business

Total Credits (plus core): 53 - 62

Exercise Science Core (24 credits)

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

Concentration - Sports Management/Minor in Business

- ACC 2121 - Financial Accounting Credits: 4
Advised Term 2nd Year
- AHS 4810 - Internship In Exercise Science Credits: 3 to 12
Advised Term 4th Year
- BIO 1210 - Introduction to Biology Credits: 4
OR CHE-1031 General Chemistry may be taken.

- Advised Term 1st 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
OR BUS-3360 Small Business Plan may be taken.
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

Physical Education

Exercise Science Core (24 credits)

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

Required Courses: Physical Education Teacher Education

- AHS 2111 - Care and Prevention of Injuries Credits: 4
Advised Term 1st/2nd Year
- AHS 3060 - Physical Disabilities Credits: 4
Advised Term 3rd Year
- BIO 1210 - Introduction to Biology Credits: 4
OR CHE-1031 may be taken.
Advised Term 1st Year
- BIO 2060 - Nutrition for Health and Fitness Credits: 3
Advised Term 3rd Year
- PED 1020 - Physical Education Licensure Credits: 3
Advised Term 1st Year
- PED 1030 - Rhythmic Fundamentals Credits: 3
Advised Term 1st Year

- PED 1120 - Skills and Techniques Credits: 1 to 2
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 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
- Required credits for this program: 78 credits

Requirements for the Bachelor of Science in Exercise Science

Computer Literacy Requirement: All students in Exercise Science 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 areas have specific state and national standards. A student who elects to pursue sport medicine or teacher licensure must take the courses listed.

The following are Vermont's requirements for teacher licensure:

- a. 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.
- b. Recommendation for licensure by a professional panel after the student's licensure portfolio presentation.
- c. The completion of the Primary Requirements for the B.S. in Exercise Science, recognized by the State of Vermont as a Liberal Arts and Exercise Science Major.
- d. 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.
- e. 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 AHS 4810 Internship.

Minor

Exercise Science Minor

Minimum required credits - 18

Minor in Exercise Science

- AHS 1240 - Fitness for Health Credits: 1
 - AHS 1250 - Fitness for Performance Credits: 1
 - AHS 2050 - Human Gross Anatomy Credits: 4
 - AHS 2055 - Human Physiology Credits: 4
 - AHS 3120 - Kinesiology Credits: 3
 - AHS 3150 - Physiology of Exercise Credits: 4
- Plus elective credits (1 to 3)

Explorations

David B. Beliles, Professor (English)
 Kevin Farrell, Associate Professor (Mathematics)
 Chandler R. Gilman, Associate Professor (English)
 David M. Johnston, Assistant Professor (Philosophy)
 Daisy McCoy, Professor (Mathematics)
 Julie Theoret, Associate Professor (Mathematics)

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.

Fine and Performing Arts

Dorian McGowan, Professor (Art)
 Elizabeth Norris, Assistant Professor (Music)

Minors: Music, Theater

Liberal Studies Concentrations (See Liberal Studies)

Program Mission Statement

The mission of the department is to provide students with a focused study of the arts in an integrated rather than segregated program that would also provide additional opportunities in creative activities for all students.

Common Program Goals

Students will be able to:

- possess awareness of how creative works from past and present eras are both individual expressions of and contributors to major cultural, political, artistic and intellectual forces or changes
- gain confidence in identifying different art forms through class presentations, class performances and by attending arts events
- express reactions, in a personal and informed manner, to the aesthetic and emotive content of artistic works
- demonstrate an understanding of the creative process and produce their own creation and /or performance

Program Assessment

Program assessment will occur through a variety of observable elements.

Experiential courses, by their very nature, result in product, which may be displayed through portfolio, presentation or performance in the classroom or in public venues. Students may execute an existing art or performance piece, create an original art or performance piece, and/or participate in LSC community arts and cultural activities, including student sponsored events. Publicity, reviews, reflective papers, event copy, and acknowledgments are some of the means by which students may provide both documentation and anecdotal evaluation of the work and the experience.

Scholarly exploration of the arts may be evidenced by personal and critical response to attendance at arts events, through written, oral or technology-assisted methods. Courses across the curriculum may include exposure to relevant literatures, published works, reviews and critical commentaries, which in turn may be reflected in subsequent reference or application to presentation or creative work.

All faculty engaged in Fine and Performing Arts at LSC are practicing professionals, constantly producing works for public display and/or performance in art, music and theatre, thus engaging in dialog with other artists and the public and consequently maintaining a constant awareness of activities, developments, trends, and events to share with the students and to bring assessment and enhancement to the program.

Minor

Music

Minimum required for the program: 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

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 credits required for minor - 18

Minor in Theater

- THA 1050 - How Theatre Happens Credits: 3
- THA 2055 - Film Analysis and Appreciation Credits: 3
- THA 2080 - Theatre Arts in The Dramatic Format Credits: 3
- THA 2840 - Theater Performance Credits: 3
- OR
- THA 2845 - Theater Production Credits: 3
- THA 3042 - Theatre Arts and Dramaturgy Credits: 3
- THA 3211 - Directing I Credits: 3
- OR
- TVS 4010 - Directing for Television Credits: 3

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. Students not completing the GEU Core course requirement by the end of the sophomore year will not be granted junior standing until such time as they fulfill the requirement.

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.

Other Degrees

General Education Unit (GEU)

Minimum 42 credits, required of all baccalaureate programs and the Associate of Arts in General Studies.

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.

- ENG 1051 - Introduction to College Writing Credits: 3
Advised Term 1st year
- ENG 1052 - Exposition and Analysis Credits: 3
Advised Term 1st year
- INT 1020 - Entering an Academic Community Credits: 2
Advised Term 1st semester

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, Fundamentals of 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 1070 - Advanced Concepts of Microcomputer Spreadsheets & Databases Credits: 3

- Advised Term 1st/2nd year
- CIS 2011 - Visual Basic Programming Credits: 3
Advised Term 1st/2nd year
- CIS 2031 - C 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
- MAT 2120 - Discrete Structures 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: One 3 Credit Course

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

Humanities: One 3 Credit Course

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

Natural Sciences: One 3 Credit Course

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

Social Sciences: One 3 Credit Course

- 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 under graduate 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.

Liberal Studies

Liberal Studies Coordinator: Elizabeth Norris, Assistant Professor

Primary Area Advisors:

Computer Science - James Bozeman, Professor

Literature and Cultural Studies - Richard Moye, Professor

Fine and Performing Arts - Elizabeth Norris, Assistant Professor

Mathematics - James Bozeman, Professor

Meteorology - Nolan Atkins, Associate Professor

Natural Science - Alison Lathrop, Associate Professor

Philosophy - David Johnston, Assistant Professor

Psychology - Margaret Sherrer, Assistant Professor

Social Science - Paul Searls, 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 theme or concept. In this way, a student may self-design a major that fits the student's future career goals.

The program consists of a total of 50 - 51 credits with 32 - 33 credits from two areas in the liberal arts and sciences and 18 credit-hours of selected electives from either the primary or secondary areas or the General Education courses. There must be a minimum of 20-21 credits within the Liberal Studies major at the 3000/4000 level.

Program Goals

- to provide students the opportunity to design a broadbased program that focuses on more than one of the traditional Liberal Arts and Sciences;
- to serve Education students by providing a Liberal Arts and Sciences background.

In the Primary and Secondary Areas, courses must show a logical developmental sequence. The Primary and Secondary areas must be chosen from two different disciplines. Some departments have established guidelines for fulfilling these requirements, subject to general regulations above. These sequences are listed in this section.

Program Assessment

Since the Liberal Studies major is shared by many different departments, assessment will occur within the student's Primary area. In addition, students will be expected to successfully complete all of the Vermont State College Graduation Standards. These standards will be embedded in selected courses within the student's Primary area. It is the student's responsibility to make arrangements to complete these standards.

General Guidelines

1. The Primary Area must consist of 21 - 21 credits total, with at least 8 credits at the 3000 - 4000 level.
2. The Secondary Area must consist of 12 credits total, with at least 6 credits at the 3000 - 4000 level.
3. The Elective Area must consist of 18 credits total, with at least 6 credits at the 3000 - 4000 level.
4. Some departments have specific course requirements. Check departmental guidelines for more information.

Implementation Guidelines

1. The student must make contact with the Liberal Studies Coordinator to choose a Primary and a Secondary area of study, and to begin the advising process.
2. The student must seek an advisor in the student's Primary area of study who will assist in structuring the Liberal Studies plan.
3. The Liberal Studies plan will be approved by the Liberal Studies Coordinator and the student's Primary area advisor and filed with the Registrar's Office between the second and the fourth semester of residence at Lyndon.
4. A student may change or alter the Liberal Studies plan once it has been submitted to the Registrar. Alterations to the Liberal Studies plan may be proposed by the student and must be approved by the Liberal Studies Coordinator and the student's Primary area advisor. The altered plan of study is then filed with the Registrar's Office.

Associate of Arts

General Studies

Minimum required for the program: 62

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 A.A. in General Studies Program

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

Completion of Elective Courses: 21-17 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.

Bachelor of Arts

Interdisciplinary Liberal Studies

Minimum required credits in the program: 48

The Interdisciplinary Liberal Studies major is an alternate form of the Liberal Studies major. It is designed to give Education students seeking a Vermont Educator License the liberal arts content needed to be well educated and to teach well. This major prepares students for the Praxis I and Praxis II standardized tests, which all persons seeking licensure must now take. It is also designed to provide both the student and advisor some flexibility in planning a course of study.

Requirements for the Major in Interdisciplinary Liberal Studies

English: 12 Credits

(three credits each in Literature and Writing, and six elective credits; EDU 3110 may be counted as an elective)

Fine Arts: 3 Credits

History/Social Science: 12 Credits

(three credits each in American history, political science, geography, and an elective)

Mathematics: 9 Credits

(MAT 1060, MAT 2010 and an elective)

- MAT 1060 - Problem Solving with Mathematics Credits: 3
- MAT 2010 - Number Systems Credits: 3

Science: 12 Credits

(four credits each in a physical science, life science, and an elective)

Notes:

- a. Fifteen credits in the major must be at the 3000-4000 level
- b. From a total of 122 credits, 41 must be at the 3000-4000 level
- c. GEU Divisional Core courses cannot be used to fulfill major requirements

Liberal Studies Program

Requirements for the B.A. in Liberal Studies Program

From a student's total 122 undergraduate degree credit hours, 41 must be at the 3000-4000 level.

Minimum required credits for the program: 50

- Business, Exercise Science, Digital and Graphic Arts, Education, Recreation, and Television Studies are not considered traditional Liberal Arts subjects and therefore cannot be included in this plan.
- No more than a total of 6 credits can be taken as Independent Study courses.
- Co-op field experience and practicum credits can be used only in the Selected Elective area.
- A course cannot be double counted between the Primary, Secondary, or Selected Elective area but can double count as a GEU choice course.
- GEU Core courses and College Skills courses may not be included anywhere in the Liberal Studies plan.

Computer Science

Primary Area

1. MAT 2010 Number Systems

2. Any CIS courses as long as the upper level requirements for the Liberal Studies degree are met.

Secondary Area

1. MAT 2010 Number Systems is recommended.
2. Any CIS courses as long as the upper level requirements for the Liberal Studies degree are met.

Fine and Performing Arts

Primary Area – Single Discipline

Select 6 Credits from the Following.

- ART 1040 - Questioning Art Credits: 3
- MUS 1010 - Music Appreciation Credits: 3
- THA 1050 - How Theatre Happens Credits: 3
- THA 2055 - Film Analysis and Appreciation Credits: 3

And

select one area for focused study at 15 credits with at least 9 credits from 3000/4000 level.

Art

- ART 2060 - Applied Art Credits: 3
- ART 2121 - Calligraphy I Credits: 3
- ART 2122 - Calligraphy II Credits: 3
- ART 3010 - Drawing Credits: 3
- ART 3050 - Painting Credits: 3
- ART 3210 - Little Theatre Arts-Puppets and Masks Credits: 3
- ART 3220 - Little Theatre Arts-Miniature Stage Sets Credits: 3
- ART 4910 - Independent Study Credits: 1 to 3

Music

- MUS 1030 - Music Fundamentals Credits: 3
- MUS 1041 - Class Piano I Credits: 3
- MUS 2340 - Class Instruction in Voice Credits: 3
- MUS 2341 - Class Guitar I Credits: 3
- MUS 3330 - Worlds of Music Credits: 3
- MUS 4910 - Independent Study in Music Credits: 1 to 3

Theatre

- THA 2055 - Film Analysis and Appreciation Credits: 3
- THA 2080 - Theatre Arts in The Dramatic Format Credits: 3
- THA 2840 - Theater Performance Credits: 3
- THA 2845 - Theater Production Credits: 3
- THA 3042 - Theatre Arts and Dramaturgy Credits: 3
- THA 3211 - Directing I Credits: 3
- THA 4820 - Professional Theatre Internship Credits: 3
- THA 4910 - Independent Study Credits: 3

Primary Area – Interdisciplinary Fine & Performing Arts

Select 6 credits from:

- ART 1040 - Questioning Art Credits: 3
- MUS 1010 - Music Appreciation Credits: 3
- THA 1050 - How Theatre Happens Credits: 3
- THA 2055 - Film Analysis and Appreciation Credits: 3

And

Select 6 credits from the following, which may not be used to satisfy the GEU Choice selections:

- ART 2060 - Applied Art Credits: 3
- MUS 1030 - Music Fundamentals Credits: 3
- THA 2080 - Theatre Arts in The Dramatic Format Credits: 3

And

Select 9 credits from two of the three areas – Art, Music, Theater – at 3000/4000 level.

See above for course list.

Secondary Area – Single Discipline

12 credits total; select one area for focused study – Art, Music, or Theater – with 3-6 credits at 2000 level and at least 6 credits at 3000/4000 level.

Secondary Area – Interdisciplinary Fine & Performing Arts

12 credits total from two of the three areas – Art, Music, or Theater – with 3-6 credits at 2000 level and at least 6 credits at 3000/4000 level.

English & Philosophy

Primary Area

1. Required: (9 credits)

Choose at least one from each area.

Writing:

- ENG 2020 - Understanding the Writing Process Credits: 3
 - ENG 2040 - Introduction to News Writing Credits: 3
 - ENG 2130 - Introduction to Writing Poetry Credits: 3
- OR

- ENG 2140 - Introduction to Writing Fiction Credits: 3
- ENG 2155 - Introduction to Writing for Publication Credits: 3
- ENG 2250 - Approaches to Literature 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 3240 - The Bible as Literature Credits: 3
- ENG 3250 - Myth, Folklore, and Fairytales Credits: 3
- PHI 1010 - Introduction to Philosophy Credits: 3
- PHI 1020 - Critical Thinking Credits: 3
- PHI 2040 - Ethics Credits: 3

2. Advanced Studies:

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

Secondary Area

(12 credits, at least six at 3000/4000 level)

1. Choose At Least Two From (6 Credits):

- ENG 2020 - Understanding the Writing Process Credits: 3
- ENG 2040 - Introduction to News Writing Credits: 3
- ENG 2130 - Introduction to Writing Poetry Credits: 3
- OR
- ENG 2140 - Introduction to Writing Fiction Credits: 3
- ENG 2155 - Introduction to Writing for Publication Credits: 3
- ENG 2240 - Greek and Roman Classics Credits: 3
- ENG 2250 - Approaches to Literature 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

2. Choose At Least Two From (6 Credits):

- ENG 3010 - Advanced Composition Credits: 3
- ENG 3110 - Creative Writing Workshop Credits: 3
- OR
- ENG 3150 - Creative Non-Fiction: From Pre-writing to Publication Credits: 3
- ENG 3240 - The Bible as Literature Credits: 3
- ENG 3250 - Myth, Folklore, and Fairytales Credits: 3
- ENG 3330 - The Novel in England Credits: 3
- ENG 3340 - The Novel in America Credits: 3
- ENG 3385 - Genre Seminar Credits: 3
- ENG 3420 - Issues in British Literature and Culture 750-1750 Credits: 3
- ENG 3450 - Issues in British Literature and Culture 1750-present Credits: 3
- ENG 3540 - Methods of Teaching Writing Credits: 3
- ENG 4240 - Major Author Seminar Credits: 3
- ENG 4750 - Senior Seminar Credits: 3

PHILOSOPHY - Primary Area:

Five additional courses in philosophy, at least three at the 3000- 4000 level. Must take:

- PHI 1010 - Introduction to Philosophy Credits: 3
- PHI 1020 - Critical Thinking Credits: 3

PHILOSOPHY - Secondary Area:

At least one 1000-2000 level course must be taken as a prelude to 3000-4000 level course offerings.

Mathematics

Primary Area

1. Only courses above MAT 1020
2. At least three credits of programming
3. In addition to the above, the following are required:
 - MAT 1531 - Calculus I Credits: 4
 - MAT 2010 - Number Systems Credits: 3
 - MAT 2120 - Discrete Structures Credits: 3

Secondary Area

1. Only courses above MAT 1020
2. Must take:
 - MAT 2010 - Number Systems Credits: 3

Meteorology

Primary Area

1. In addition to the following, nine additional credits at the 3000/4000 level, excluding MET 4820 (MET 4900 - limit four credits)
2. The following courses are required - take:
 - MET 1211 - Survey of Meteorology I Credits: 3
 - MET 1211L - Survey of Meteorology I Lab Credits: 1
 - MET 1212 - Survey of Meteorology II Credits: 3
 - MET 1212L - Survey of Meteorology II Lab Credits: 1
 - MET 2110 - Weather Data and Analysis Credits: 3

Secondary Area

12 credits in Meteorology, at least six at the 3000/4000 level, excluding MET 4820 (MET 4900 limit 4 credits)

Natural Sciences

Students planning to do Liberal Studies in Natural Sciences should contact the department chair of Natural Sciences.

Psychology

Required courses for Psychology as either the primary area or secondary area for the B.A. Liberal Studies.

Primary Area

1. Must Include (6 Credits)

- PSY 1010 - Introduction to Psychology Credits: 3
- PSY 1050 - Human Growth and Development Credits: 3

2. Must Include 15 Credits

Must include 15 credits at 2000/3000/4000 level from the list below, at least nine credits at the 3000/4000 level:

- PSY 1130 - Introduction to Substance Abuse Credits: 3
- PSY 2040 - Social Psychology Credits: 3
- PSY 2120 - Human Sexuality Credits: 3
- PSY 2260 - Mind/Body Consciousness Credits: 3
- PSY 3010 - Theories of Personality Credits: 3
- PSY 3020 - Experimental Psychology Credits: 3

- PSY 3040 - Cognitive Psychology Credits: 3
- PSY 3050 - Child Development Credits: 3
- PSY 3070 - Abnormal Psychology Credits: 3
- PSY 3110 - Adulthood and Aging Credits: 3
- PSY 3210 - Perspectives on Death and Dying (also PHI 3210) Credits: 3
- PSY 3230 - Psychology of Gender Credits: 3
- PSY 3260 - Adolescent Development Credits: 3
- PSY 4010 - Biological Psychology Credits: 3
- PSY 4020 - Psychological Testing Credits: 3
- PSY 4120 - History of Psychology Credits: 3
- PSY 4140 - Women in Psychology Credits: 3

Secondary Area

Total for Secondary Area 12 credits

1. Must Include (6 Credits)

- PSY 1010 - Introduction to Psychology Credits: 3
- PSY 1050 - Human Growth and Development Credits: 3
* PSY 1050 Required for education majors

2. Must Include Six Credits

Must include six credits from at 3000/4000 level from the list below:

- PSY 2040 - Social Psychology Credits: 3
- PSY 3010 - Theories of Personality Credits: 3
- PSY 3020 - Experimental Psychology Credits: 3
- PSY 3040 - Cognitive Psychology Credits: 3
- PSY 3050 - Child Development Credits: 3
- PSY 3070 - Abnormal Psychology Credits: 3
- PSY 3110 - Adulthood and Aging Credits: 3
- PSY 3210 - Perspectives on Death and Dying (also PHI 3210) Credits: 3
- PSY 3230 - Psychology of Gender Credits: 3
- PSY 3260 - Adolescent Development Credits: 3
- PSY 4010 - Biological Psychology Credits: 3
- PSY 4020 - Psychological Testing Credits: 3
- PSY 4120 - History of Psychology Credits: 3
- PSY 4140 - Women in Psychology Credits: 3

Note:

Liberal Studies students may use any Psychology courses to fulfill the elective section of their major except for the following, which are reserved for Psychology majors only:

- PSY 1040 - Human Interaction Credits: 3
- PSY 2811 - Field Work Credits: 2 to 6

- PSY 2812 - Field Work Seminar Credits: 3
- PSY 4720 - Senior Seminar Credits: 3
- PSY 4820 - Human Service Internship Credits: 3 to 12
- PSY 4921 - Senior Research I Credits: 3
- PSY 4922 - Senior Research II Credits: 3

Social Sciences

Primary Area

Interdisciplinary:

In addition to the following, four additional courses in three different disciplines, at least three, at the 3000-4000 level (12 credits)

Choose three courses in three different disciplines from: (9 credits)

- ANT 1030 - Introduction to Anthropology Credits: 3
- ECO 2020 - Macroeconomics Credits: 3
- GEO 1010 - Introduction to Geography Credits: 3
- 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
- POS 1010 - Introduction to Political Science Credits: 3
- POS 1020 - American Politics and Government Credits: 3
- SOC 1010 - Introduction to Sociology Credits: 3
- SOC 1030 - Social Problems Credits: 3

Anthropology/Sociology:

In addition to the following, fifteen additional credits in Anthropology or Sociology, at least nine credits at the 3000-4000 level

Choose at least two courses from:

- ANT 1030 - Introduction to Anthropology Credits: 3
- SOC 1010 - Introduction to Sociology Credits: 3
- SOC 1030 - Social Problems Credits: 3
- SOC 2220 - The Family in Society Credits: 3

History:

In addition to the following, five additional courses in history, at least three at the 3000-4000 level (15 credits)

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

Political Science:

In addition to the following, four additional courses in political science, at least three at the 3000-4000 level (12 credits)

Choose two courses from: (6 credits)

- POS 1010 - Introduction to Political Science Credits: 3
OR
- POS 1020 - American Politics and Government Credits: 3
- POS 1030 - Comparative Government Credits: 3
OR
- POS 2040 - International Relations Credits: 3
One contemporary course (3 credits)
- POS 3120 - American Politics Credits: 3

Sociology:

In addition to the following, five additional courses in sociology, at least three, at the 3000-4000 level (15 credits)

- SOC 1010 - Introduction to Sociology Credits: 3
- SOC 1030 - Social Problems Credits: 3

Secondary Area

Students may choose either History, Political Science, Sociology or an interdisciplinary program combining two or more Social Science disciplines (Anthropology, Economics, Geography, History, Political Science, and Sociology). At least one 1000/2000 level course must be taken as a prelude to 3000/4000 level course offerings.

Other Program Areas

Foreign Languages

Program Mission Statement

Knowledge of a modern language opens up numerous opportunities in professional areas, such as business, communications, culture, government, education, law, library service, recreation management, science, human services,

and social science. In the United States especially, there is a shortage of persons who combine foreign language skills with expertise in a particular job.

New Student & Interdisciplinary Seminars

Program Mission Statement

New Student & Interdisciplinary Seminars is an academic unit of the college that offers courses under an IDS designation to students of all majors. Credits earned in these courses may be applied toward graduation in the unrestricted elective category of the college's General Education Program.

Program Goals

The value added by the program is that it helps students make a more effective transition from the high school, work, and home environment to the college environment at Lyndon State; hence it contributes to student academic success and retention. More specifically, the new student seminar program has played an important role at the college by providing opportunities for students to become aware of specific resources and practices that will help them adjust efficiently and successfully to the academic, personal, and social aspects of their new college environment.

The Interdisciplinary Seminars (INT 4710) complement the overall collegiate experience of junior and senior students by providing them with opportunities to apply the academic skills they have gained through their experience at Lyndon State toward contemporary interdisciplinary issues. These courses have been offered periodically throughout the history of the program, and have played an important role for students seeking opportunities to add a capstone course to their undergraduate career.

Mathematics and Computer Science

James Bozeman, Professor
Kevin Farrell, Associate Professor
Daisy McCoy, Professor
David Mellor, Professor
Julie Theoret, Associate Professor

Mathematics:

B.A. Mathematics

Pure Mathematics

Applied Mathematics

Licensure in Secondary Education

(See Secondary Education)

Liberal Studies Concentrations

Minor: Mathematics

Computer Science:

B.S. Computer Information Systems/Business

B.S. Computer Information Systems/Meteorology

A.S. in Computing

Liberal Studies Concentrations (See Liberal Studies)

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 computer science curriculum reflects this commitment.

Lyndon State students benefit from the individual attention of professors as well as the program's combination of practical and theoretical knowledge. Students receive a thorough preparation in programming, program design, and several computer languages, along with an understanding of computer organization, architecture, and networking.

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 Computer Science 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 graduates 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 Computer Science 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 Computer Information Systems with a concentration in Business, a Bachelor's Degree in Computer Information Systems with a concentration in Meteorology, an Associate's Degree in Computing, a minor in Computer Science or a Computer Science endorsement for licensed secondary teachers. Recipients of the A.S. degree might seek employment immediately or they might continue their education. Graduates may seek employment as computer operators, data processors, entry-level programmers, or network support staff. The Computer Science minor or 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 Meteorology. The Computer Science Endorsement is intended for students who want to teach computer science at any level. It is assumed that the student already has or is in the process of receiving licensure in another area.

The college offers a number of computer labs with a variety of platforms and a wide range of software. There are local networks on campus as well as access to off-campus sites via the Internet.

Associate of Science

Computing

Minimum required credits for the associate degree: 28

Requirements for the Associate of Science in Computing

Computer Science Courses: (21 Credits)

- CIS 1070 - Advanced Concepts of Microcomputer Spreadsheets & Databases Credits: 3
Advised Term 1st Year
- CIS 2011 - Visual Basic Programming Credits: 3
or CIS 2060
Advised Term 1st Year
- CIS 2031 - C Programming Credits: 3
Advised Term 1st Year
- CIS 2032 - C++ Programming Credits: 3
Advised Term 1st Year
- CIS 2060 - Programming with FORTRAN Credits: 3
or CIS 2011
Advised Term 1st Year
- CIS 2990 - Portfolio Credits: 1
Advised Term 2nd Year
- CIS 3060 - Advanced Programming Credits: 3
Advised Term 2nd Year

Additional Computer Science Courses (6 credits):

Any two CIS courses at the 2000 level or higher

Mathematics Courses: (3 Credits)

Advised Term 1st Year

- MAT 2021 - Statistics Credits: 3
OR
- MAT 3130 - Statistical Theory and Applications Credits: 3

English Course: (3 Credits)

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

Bachelor of Arts

Mathematics — Applied Mathematics

Minimum credits required for the program: 49

Requirements for the Bachelor of Arts in Mathematics

Concentration in Applied Mathematics: 35 Credits

- 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

Meteorology Track

Minimum credits required for the program: 49

- MET 2020 - Atmospheric Thermodynamics Credits: 3
Advised Term 2nd Year
- MET 3140 - Physical Meteorology Credits: 3
Advised Term 2nd Year
- MET 3321 - Atmospheric Dynamics I Credits: 3
Advised Term 3rd Year
- MET 3322 - Atmospheric Dynamics II Credits: 3
Advised Term 3rd Year
- MET 4900 - Independent Study, Directed Study, and Special Projects in Meteorology Credits: 1 to 3
Advised Term 4th Year
Topic must be the mathematical study of a meteorology concept

Mathematics — Pure Mathematics

Minimum required credits for the program: 44

Requirements for the Bachelor of Arts in Mathematics

Concentration in Pure Mathematics

- Programming Language - Credits: 3
Advised Term 1st Year
- MAT 1531 - Calculus I Credits: 4
Advised Term 1st Year
- MAT 2120 - Discrete Structures 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

Advised Term - 3rd/4th Year

- Physics (Calculus based)
- Computer Science (CIS 3060 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

Computer Information Systems/Business

Minimum required credits for the program: 56

Requirements for the Bachelor of Science in Computer Information Systems/Business

Business: (22 Credits)

- ACC 2121 - Financial Accounting Credits: 4
Advised Term 1st/2nd Year
- BUS 1210 - Introduction to Business Software Credits: 3
Advised Term 1st Year
- BUS 2020 - Principles of Management Credits: 3
Advised Term 1st/2nd Year
- BUS 2230 - Principles of Marketing Credits: 3
Advised Term 1st/2nd Year
- BUS 3230 - Financial Management Credits: 3
- ECO 2030 - Microeconomics Credits: 3
- MAT 2021 - Statistics Credits: 3
OR
- MAT 3130 - Statistical Theory and Applications Credits: 3

Programming: (18 Credits, At Least Six Credits at 3000 Level)

- CIS 2011 - Visual Basic Programming Credits: 3
- CIS 2031 - C Programming Credits: 3
- CIS 2032 - C++ Programming Credits: 3
- CIS 2060 - Programming with FORTRAN Credits: 3
- CIS 2141 - Programming Internet and Web Applications Part I Credits: 3
- CIS 2142 - Advanced Visual Basic Credits: 3
- CIS 2271 - Java Programming Credits: 3
- CIS 3060 - Advanced Programming Credits: 3
- CIS 3120 - Programming Internet and Web Applications Part II Credits: 3
- CIS 3272 - Advanced Java Credits: 3

Information Technology: (9 Credits)

Advised Term 3rd/4th Year

- CIS 3110 - Networking Credits: 3
- CIS 4010 - Web Technology Credits: 3
- CIS 4120 - Systems Analysis and Design Credits: 3

Internship: (6 Credits)

Advised Term 4th Year

- CIS 4810 - Internship in Computer Science Credits: 6
- CIS 4990 - Portfolio Credits: 1

Computer Information Systems/Meteorology

Minimum required credits for the program: 56

Requirements for the Bachelor of Science in Computer Information Systems/Meteorology

Meteorology: (22 Credits)

- MAT 1531 - Calculus I Credits: 4
- MAT 2532 - Calculus II Credits: 4
- MET 1211 - Survey of Meteorology I Credits: 3
- MET 1211L - Survey of Meteorology I Lab Credits: 1
- MET 1212 - Survey of Meteorology II Credits: 3
- MET 1212L - Survey of Meteorology II Lab Credits: 1
- MET 2060 - Climatology Credits: 3
- MET 2110 - Weather Data and Analysis Credits: 3

Programming: (18 Credits, At Least Six Credits at 3000 Level)

- CIS 2011 - Visual Basic Programming Credits: 3
- CIS 2031 - C Programming Credits: 3
- CIS 2032 - C++ Programming Credits: 3
- CIS 2060 - Programming with FORTRAN Credits: 3
- CIS 2141 - Programming Internet and Web Applications Part I Credits: 3
- CIS 2142 - Advanced Visual Basic Credits: 3
- CIS 2271 - Java Programming Credits: 3
- CIS 3060 - Advanced Programming Credits: 3
- CIS 3120 - Programming Internet and Web Applications Part II Credits: 3
- CIS 3272 - Advanced Java Credits: 3

Information Technology: (9 Credits)

- CIS 3110 - Networking Credits: 3
- CIS 4010 - Web Technology Credits: 3
- CIS 4120 - Systems Analysis and Design Credits: 3

Internship: (6 Credits)

Advised Term 4th Year

- CIS 4810 - Internship in Computer Science Credits: 6
- CIS 4990 - Portfolio Credits: 1

Minor

Mathematics

Minimum required credits for the program: 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

Meteorology

Nolan Atkins, Associate Professor

Bruce Berryman, Professor

William Fingerhut, Professor

Jason Shafer, Assistant Professor

Mark Tucker, MET Systems Administrator

B.S. Meteorology

- American Meteorological Society/Graduate School Track
- National Weather Service Track
- Broadcasting Track
- Private Industry Track
- Geographic Information Systems

Meteorology Concentrations in Liberal Studies (see Liberal Studies)

Meteorology Concentration in Computer Information Systems (see Mathematics/Computer Science)

Meteorology Concentration in Applied Mathematics (see Mathematics/Computer Science)

Minor: Meteorology

Pre-Meteorology Program

Mission Statement

Meteorology 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 re-search endeavors. Regardless of their track, 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 Meteorology 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 track
- To maintain a current and rigorous curriculum.
- To provide students with a broad-based understanding of meteorological 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 meteorological events beyond the campus environment.

Program Assessment

To ensure that the Meteorology 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 meteorology 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

Bachelor of Science

Meteorology

Requirements for the Bachelor of Science in Meteorology

Basic Science: (25 Credits)

- CIS 2101 - Introduction to Unix Credits: 1
Advised Term 1st Year
- 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
- MAT 3130 - Statistical Theory and Applications Credits: 3
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 Meteorology Courses: (36 Credits)

(Requirement for entering 3-year plan is successful placement into MAT 2532 and PHY 2041 Fall Semester of student's 1st year.)

Plus one career track (13-15 credits)

- MET 1211 - Survey of Meteorology I Credits: 3
Advised Term 1st Year
- MET 1211L - Survey of Meteorology I Lab Credits: 1
Advised Term 1st Year
- MET 1212 - Survey of Meteorology II Credits: 3
Advised Term 1st Year
- MET 1212L - Survey of Meteorology II Lab Credits: 1
Advised Term 1st Year
- MET 2020 - Atmospheric Thermodynamics Credits: 3
Advised Term 1st Year
- MET 2110 - Weather Data and Analysis Credits: 3
Advised Term 1st Year
- MET 3110 - Remote Sensing Credits: 3
Advised Term 2nd Year
- MET 3140 - Physical Meteorology Credits: 3
Advised Term 2nd Year
- MET 3321 - Atmospheric Dynamics I Credits: 3
Advised Term 2nd Year
- MET 3322 - Atmospheric Dynamics II Credits: 3
Advised Term 2nd Year
- MET 3331 - Analysis and Forecasting I Credits: 3
Advised Term 2nd Year
- MET 3332 - Analysis and Forecasting II Credits: 3
Advised Term 2nd Year
- MET 4712 - Thesis in Atmospheric Sciences I Credits: 2
Advised Term 3rd Year
- MET 4713 - Thesis in Atmospheric Sciences II Credits: 2
Advised Term 3rd Year

4 Year Plan Meteorology Courses: (36 Credits)

Plus one career track (13-15 credits)

- MET 1211 - Survey of Meteorology I Credits: 3
Advised Term 1st Year
- MET 1211L - Survey of Meteorology I Lab Credits: 1
Advised Term 1st Year
- MET 1212 - Survey of Meteorology II Credits: 3
Advised Term 1st Year
- MET 1212L - Survey of Meteorology II Lab Credits: 1
Advised Term 1st Year
- MET 2020 - Atmospheric Thermodynamics Credits: 3
Advised Term 2nd Year
- MET 2110 - Weather Data and Analysis Credits: 3
Advised Term 2nd Year
- MET 3110 - Remote Sensing Credits: 3
Advised Term 3rd Year
- MET 3140 - Physical Meteorology Credits: 3
Advised Term 3rd Year
- MET 3321 - Atmospheric Dynamics I Credits: 3

- Advised Term 3rd Year
- MET 3322 - Atmospheric Dynamics II Credits: 3
Advised Term 3rd Year
- MET 3331 - Analysis and Forecasting I Credits: 3
Advised Term 3rd Year
- MET 3332 - Analysis and Forecasting II Credits: 3
Advised Term 3rd Year
- MET 4712 - Thesis in Atmospheric Sciences I Credits: 2
Advised Term 4th Year
- MET 4713 - Thesis in Atmospheric Sciences II Credits: 2
Advised Term 4th Year

5 Year Plan Meteorology Courses: (36 Credits)

Plus one career track (13-15 credits)

- MET 1211 - Survey of Meteorology I Credits: 3
Advised Term 1st Year
- MET 1211L - Survey of Meteorology I Lab Credits: 1
Advised Term 1st Year
- MET 1212 - Survey of Meteorology II Credits: 3
Advised Term 1st Year
- MET 1212L - Survey of Meteorology II Lab Credits: 1
Advised Term 1st Year
- MET 2020 - Atmospheric Thermodynamics Credits: 3
Advised Term 3rd Year
- MET 2110 - Weather Data and Analysis Credits: 3
Advised Term 2nd Year
- MET 3110 - Remote Sensing Credits: 3
Advised Term 5th Year
- MET 3140 - Physical Meteorology Credits: 3
Advised Term 5th Year
- MET 3321 - Atmospheric Dynamics I Credits: 3
Advised Term 4th Year
- MET 3322 - Atmospheric Dynamics II Credits: 3
Advised Term 4th Year
- MET 3331 - Analysis and Forecasting I Credits: 3
Advised Term 4th Year
- MET 3332 - Analysis and Forecasting II Credits: 3
Advised Term 4th Year
- MET 4712 - Thesis in Atmospheric Sciences I Credits: 2
Advised Term 5th Year
- MET 4713 - Thesis in Atmospheric Sciences II Credits: 2
Advised Term 5th Year

Career Tracks

Students must have an approved track by the end of their sophomore year.

American Meteorological Society/Graduate School Track: (13-14 Credits)

Minimum required credits for this track: 74-75

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

- CHE 1032 - General Chemistry II 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 Track: (12 Credits)

Minimum required credits for this track: 73

- MAT 3310 - Introduction to Differential Equations Credits: 3
- MET 4030 - Synoptic Climatology Credits: 3
- MET 4040 - Hydrometeorology Credits: 3
And one of the following:
- MET 4110 - Numerical Weather Prediction Credits: 3
OR
- MET 4120 - Mesoscale Meteorology Credits: 3

Broadcasting Track: (14 Credits)

Minimum required credits for this track: 75

- MET 3020 - Practicum in Forecasting and Broadcasting Credits: 1 to 4
- TVS 2110 - Voice Production Credits: 3
- TVS 2221 - Television Performance I Credits: 3
- TVS 3222 - Television Performance II Credits: 3

And Either:

- MET 3270 - Television Weather Graphics Credits: 1
AND
- MET 4010 - Television Weathercasting Credits: 1
AND
- TVS 4030 - LSC-TV News Broadcast Performance Credits: 3

Or:

- TVS - Course at the 2000 level or above
AND
- MET 3020 - Practicum in Forecasting and Broadcasting Credits: 1 to 4

Private Industry Track: (12 Credits)

Minimum required credits for this track: 73

Courses to be chosen in consultation with student's advisor and to be approved by the Meteorology Department by the end of the sophomore year. At least six total credits must be taken at the 3000-4000 level and three credits must be in Meteorology at the 3000-4000 level.

GIS Track: (13 credits)

- GIS 1020 - Applied Techniques in Geocode Mapping and Data Base Management Credits: 1
- GIS 1050 - Introduction to Fundamentals of Geographic Information Systems (GIS) and Global Positioning Systems (GPS) Credits: 3
- GIS 2010 - Spatial and Network Analysis Techniques in Geographic Information Systems Credits: 3
- GIS 3010 - Introduction to Analysis of Remote Satellite Digital Imagery Credits: 3
- MET 3410 - GIS Project Using Geophysical Data Credits: 1
- MET 3411 - GIS Project Using Geophysical Data II Credits: 2

Minor

Meteorology Minor

Minimum required for program: 19

Requirements for the Minor in Meteorology

- MAT 1531 - Calculus I Credits: 4
- MET 1211 - Survey of Meteorology I Credits: 3
- MET 1211L - Survey of Meteorology I Lab Credits: 1
- MET 1212 - Survey of Meteorology II Credits: 3
- MET 1212L - Survey of Meteorology II Lab Credits: 1
- MET 2110 - Weather Data and Analysis Credits: 3

Electives: (4 Credits)

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

Note: MET 3020 has a two credit limit; MET 4720 requires department permission; MET 4820 and MET 4900 are not included.

Other Degrees

Pre-Meteorology Program

Requirements for the Pre-Meteorology Program

Designed for students to enhance their science background before they start their major in meteorology at Lyndon. Motivated students whose science or math background needs to be bolstered for a successful college experience in meteorology are ideally suited for this program. Typically the program includes either a basic physics course if none

was taken in high school or a basic math course to prepare the student for college level pre-calculus (the minimum starting mathematics course in the meteorology degree curriculum). Students in this program will usually require five years for a degree in meteorology, including a summer session when both PHY-2031 and MAT-1020 need to be taken.

- ENG (as per placement test) Credits: 3
- INT 1020 - Entering an Academic Community Credits: 2
- MAT 1020 - Intermediate Algebra Credits: 3
- MET 1010 - Elementary Meteorology Credits: 4
- PHY 2031 - Fundamental Physics I Credits: 4
(if needed, requires MAT-1020)
- SCI 1030 - The Life, Earth, and Physical Sciences Credits: 3

Natural Sciences

David S. Conant, Professor (Botany)

Theresa Conant, Laboratory Technician

Alison S. Lathrop, Associate Professor (Geology)

Metin Yersel, Professor (Physics, Environmental Science)

B.S. Environmental Science

B.S. Natural Sciences

Liberal Studies Concentrations (see Liberal Studies)

Licensure in Secondary Education (See Secondary Education)

Minors: Biology, Chemistry, Geology, Physics

Pre-Engineering Curricula

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 upperdivision course work in addition to a broad-based education in the sciences.

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.

Bachelor of Science

Environmental Science

Minimum Required Credits: 65

Requirements for the Bachelor of Science in Environmental Science

Core Requirements: 41 Credits

- BIO 2150 - The Plant Kingdom Credits: 4
Advised Term - 1st Year
OR
- BIO 2160 - Plant Growth and Function Credits: 4
Advised Term - 1st Year
- BIO 2240 - Survey of the Animal Kingdom Credits: 4
Advised Term - 1st Year
OR
- BIO 2320 - Principles of Zoology 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
Or PHY 2020
Advised Term - 2nd Year
- ENV 3710 - Special Topics in Environmental Science Credits: 1
Advised Term - 1st Year
- GEY 1111 - Introduction to Geology I Credits: 4
Advised Term - 2nd Year
- GEY 2112 - Introduction to Geology II Credits: 4
Advised Term - 2nd Year
- PHY 2020 - Energy, Environment, and Society Credits: 4
Or ENV 2060
Advised Term - 2nd Year
- PHY 2031 - Fundamental Physics I Credits: 4
Advised Term - 2nd Year
- PHY 2032 - Fundamental Physics II Credits: 4
Advised Term - 2nd Year

A Minimum of Two Courses From the Following List:

- ENV 3060 - Waste Reduction and Management Credits: 2
- ENV 3070 - Environmental Instrumentation Credits: 2
- ENV 3120 - Environmental Modeling Credits: 2
- ENV 3140 - OSHA Safety Course Credits: 2

Additional Courses: 20 Credits

Any four 3000+ courses from the following lists plus any one 3000+ level science course:

(Four of them must be 4-credit lab courses)

(20 credits of which up to 4 credits may be taken at 1000-2000 level)

Requirements for Environmental Science Majors

Students majoring in Environmental Science are required to complete MAT 1020 and MAT 1410 for their Mathematics General Education requirement.

Recommendations for Specialization in Environmental Pollution and Physical Environmental Monitoring

- CHE 3050 - Environmental Chemistry Credits: 4
- CHE 3111 - Organic Chemistry I Credits: 4
- CHE 3112 - Organic Chemistry II Credits: 4
- ENV 3110 - Environmental Pollution Credits: 4
- GEY 3035 - Aqueous Geochemistry Credits: 4
- GEY 3110 - Hydrogeology Credits: 4
- GEY 3113 - Geology III Credits: 4

- GEY 4710 - Geology Modules Credits: 1 to 4
- GEY 4830 - Environmental Field Geology Credits: 2
- MET 1211 - Survey of Meteorology I Credits: 3
- MET 1211L - Survey of Meteorology I Lab Credits: 1
- MET 1212 - Survey of Meteorology II Credits: 3

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

- BIO 2350 - Principles of Ornithology Credits: 4
 - BIO 3020 - Field Zoology 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 4210 - Wildlife Biology and Management Credits: 4
 - BIO 4720 - Seminar in Conservation Biology Credits: 4
 - CHE 3010 - Biochemistry Credits: 4
 - GEY 3110 - Hydrogeology Credits: 4
 - GEY 3113 - Geology III Credits: 4
 - GEY 4710 - Geology Modules Credits: 1 to 4
 - GEY 4830 - Environmental Field Geology Credits: 2
 - OER 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.

Natural Science

Minimum Required Credits: 63

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: 35-36 Credits

- BIO 2150 - The Plant Kingdom Credits: 4
OR
- BIO 2160 - Plant Growth and Function Credits: 4
- BIO 2240 - Survey of the Animal Kingdom Credits: 4
OR
- BIO 2320 - Principles of Zoology 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 4900 - Research in Science Credits: 3 to 4

Additional Courses: 28 Credits

Seven additional courses in science disciplines, of which six must be at 3000 or 4000 level. Up to two courses may be taken from MET at 3000 or 4000 level.

Minor

Biology

Minimum credits required for the program: 20

Requirements for the Minor in Biology

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

Chemistry

Minimum required for the program: 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

Geology

Minimum required for the program: 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

Minimum required for the program: 20

Requirements for the Minor in Physics

- PHY 1130 - Astronomy and the Universe Credits: 4
OR
- PHY 2010 - Introduction to Electricity and Electronics Credits: 4
- 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

Other Degrees

Pre-Engineering Curricula

Lyndon's two-year sequence of pre-engineering courses is designed for the student who wishes to gain a foundation in physical sciences and mathematics at a small college before moving on to a larger engineering school. While the program does not lead to a degree, it is designed to lay the basis for an engineering career. Students whose goals include graduation from an engineering curriculum will find the prescribed courses at Lyndon a rigorous and analytic beginning toward that goal.

Lyndon encourages students in the pre-engineering program to choose an engineering school and specialty as soon as possible. With a staff of mathematicians, computer scientists and scientists, the college has the resources to lend valuable guidance and assistance. The college's Career Counseling Office, providing an information-based consulting service, together with faculty advisors in the program, assist students in making those choices.

Recommended Courses:

- CHE 1031 - General Chemistry I Credits: 4
- CHE 1032 - General Chemistry II Credits: 4
- CIS 2060 - Programming with FORTRAN Credits: 3
- ENG 2060 - Technical Writing Credits: 3
- MAT 1531 - Calculus I Credits: 4
- MAT 2532 - Calculus II Credits: 4
- MAT 2543 - Calculus III Credits: 5
- MAT 3010 - History of Mathematics Credits: 3
- PHY 2010 - Introduction to Electricity and Electronics Credits: 4
- 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

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 2160 - Plant Growth and Function Credits: 4
- BIO 2320 - Principles of Zoology 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

Pre-Nursing Curricula

Total Credits for the program in Nursing: 69

Lyndon offers a pre-nursing curriculum to prepare students for admission to Castleton State College's Associate Degree in Nursing that is offered on Lyndon's campus. The following courses fulfill the general education and prerequisite requirements for the Castleton State Associates Degree in Nursing. Some of the course requirements may be met via transfer credit. Admission to the Castleton State College Nursing Program at Lyndon is highly competitive, with only 16 students accepted into the program each academic year. Formal acceptance into the Castleton State College Nursing Program is contingent upon a highly successful academic record.

Application Process

Students who are interested in the pre-nursing program must complete the Lyndon application and submit it to the Lyndon Admissions Office. Students must first apply and be accepted to Lyndon State's pre-nursing program before consideration for enrollment into Castleton's nursing program.

Each spring semester, Lyndon sponsors an information session for all pre-nursing students to introduce the process for transfer into Castleton's nursing program. That process includes the opportunity to meet Castleton faculty, as well as receiving copies of the Castleton application form and other information.

Requirements for the Pre-Nursing Curricula

Lyndon State College Courses: 35 Credits

- BIO 2011 - Human Anatomy and Physiology I Credits: 4

- BIO 2012 - Human Anatomy and Physiology II Credits: 4
- BIO 3140 - Introduction to Microbiology Credits: 4
- BUS 1210 - Introduction to Business Software Credits: 3
or a combination of 3 of the CIS courses chosen from the list below
- ENG 1052 - Exposition and Analysis Credits: 3
- ENG 1080 - Expository Speaking Credits: 3
- INT 1020 - Entering an Academic Community Credits: 2
- PSY 1010 - Introduction to Psychology Credits: 3
- SOC 1010 - Introduction to Sociology Credits: 3
One Advisor Approved Art Course **Credits / Units:** 3
One Advisor Approved Social Science Course **Credits / Units:** 3

A combination of 3 of the following 1 credit computer courses or BUS 1210:

- CIS 1050 - Computer Operation Systems and Spreadsheets Credits: 1
- CIS 1060 - Introduction to Databases Credits: 1
- CIS 1210 - Concepts of Word Processing Credits: 1
- CIS 1220 - Concepts of the Internet and WWW Credits: 1
- CIS 1247 - Concepts of Desktop Publishing Credits: 1

Castleton State College Nursing Courses: 34 Credits

Only students accepted into the Castleton State College Nursing program are eligible to enroll in the following nursing courses. All Nursing courses are offered on the Lyndon State College campus via Vermont Interactive Television. All clinical experiences for nursing students are provided at health agencies located in the Northeast Kingdom.

- NUR 1211 Foundations of Nursing I Credits: 6
- NUR 1212 Foundations of Nursing II Credits: 7
- NUR 2111 Nursing of Children and Adults I Credits: 9
- NUR 2112 Nursing of Children and Adults II Credits: 10
- NUR 2020 Issues in Nursing Credits: 2

Total CSC Nursing Credits: 34

Psychology and Human Services

Joshua Carpenter, Assistant Professor

Rhonda Korol, Associate Professor

Ronald Rossi, Professor

Margaret Sherrer, Assistant Professor

Patricia Shine, Assistant Professor

Lori Werdenschlag, Professor

B.A. Psychology

B.S. Human Services

Minor: Psychology

Minor: Human Services

Liberal Studies Concentrations (see Liberal Studies)

Program Mission Statement

The mission of the Psychology Department is to prepare students with strong theoretical and experiential components for graduate work or entry-level human service and psychology positions where they will apply a broad base of knowledge and ethical principles and use a range of appropriate skills, techniques, strategies, and technologies.

Common Program Goals

The goals of the Psychology Department programs rest on the assumption that the advancement of knowledge improves human and social values and that the acquisition of knowledge and personal growth can be validated and assessed. Although the goals for the Psychology and Human Services degree programs differ in content and application, the two majors share a common core of courses and overall goals. The differences between the two lie primarily within content and outcomes. For Psychology majors, the emphasis is on the attainment of knowledge, and analytical skills with the goals of understanding and conducting research and attending graduate school. Human Services majors acquire academic and professional skills in a more applied program, and its goals involve working with people in a variety of business, social service agency, and educational settings. The Human Services Program also prepares students for entry into graduate programs in social work. Thus the Psychology Department's program, curriculum, and policies are designed to achieve the following goals:

- Theoretical knowledge: understand and articulate the social, cultural, physiological and research principles, concepts, and theories of psychology
- Analytical skills: be able to research, analyze, interpret, synthesize, and apply research, theory, and practice
- Problem solving: acquire and implement appropriate techniques and responses for problem solving, surviving, and flourishing in the professional world
- Ethical behavior: appreciate the ethical and legal issues involved in human services and adhere to the ethical standards of the profession
- Professional competence: develop a level of professional competence and skills through the integration of academic and work-based experience, and recognize the need for ongoing professional development and consultation
- Personal development and self-care: strive to function as a self-aware, well-integrated individual who has insight, compassion, self-discipline, and the ability to communicate and interact with others in an effective manner
- Social responsibility: commit to help shape and articulate a social agenda for the community and society
- Systemic connections: become aware of cultural diversity, sociopolitical issues, and their interconnectedness with the development of the individual within society.

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 committed unprofessional or unethical practices may not be considered for field work placement or acceptance to the major. 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 courses and a 2.0 GPA overall, satisfactory academic progress in the General Education Program, recommendation of two psychology department faculty members as well as the development of interpersonal skills for success in the profession.

Double Major

Students may obtain a double major in Psychology and Human Service by completing the core requirements (17 credits), and the concentration requirements for Psychology (18 credits), the concentration requirements for Human Services (18 credits), and an additional 12 credits from the list of recommended 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.

The Programs

Students will 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.

Bachelor of Arts

Psychology

Minimum required credits for the program: 47

Requirements for the Bachelor of Arts in Psychology

Core Courses: (17 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
OR
- PSY 2090 - Lifespan Across Cultures Credits: 3
Advised Term 1st Year
- PSY 2811 - Field Work Credits: 2 to 6
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: (30 Credits)

- MAT 2021 - Statistics Credits: 3
Advised Term - 2nd Year
- PSY 3020 - Experimental Psychology 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 12 credits must be selected in consultation with the Psychology Department advisor from 3000-4000 level courses in psychology, sociology, anthropology, statistics, and fields related to the student's present occupational, vocational, or further educational objectives. At least 6 of these credits must be in psychology. Students are encouraged to design their own sequence of courses, fieldwork, and independent study within their concentration:

Recommended Courses:

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, 1130 or 2260 to satisfy the 5th choice (elective) course.

- BIO 2011 - Human Anatomy and Physiology I Credits: 4
(see footnote *)
- BIO 2012 - Human Anatomy and Physiology II Credits: 4
(see footnote *)
- BIO 3220 - Genetics Credits: 4
- BUS 2410 - Human Resources Management Credits: 3
(see footnote *)
- BUS 3250 - Organizational Behavior in Business Credits: 3
- PHI 3130 - Philosophies of Gender Credits: 3
- PSY 2040 - Social Psychology Credits: 3
(see footnote *)
- PSY 3010 - Theories of Personality Credits: 3
- PSY 3040 - Cognitive Psychology Credits: 3
- PSY 3070 - Abnormal Psychology Credits: 3
- PSY 3230 - Psychology of Gender Credits: 3
- PSY 4120 - History of Psychology Credits: 3
- PSY 4140 - Women in Psychology Credits: 3
- PSY 4151 - Counseling Credits: 3
- PSY 4210 - Psychopharmacology Credits: 3

- PSY 4710 - Special Topics in Psychology Credits: 1 to 4
- SOC 3050 - Gender and Society Credits: 3

Footnotes

* These courses count as 3000-4000 elective selections.

Bachelor of Science

Human Services

Minimum required credits for the program: 47

Requirements for the Bachelor of Science in Human Services

Core Courses: (17 credits)

Core Courses: (17 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
OR
- PSY 2090 - Lifespan Across Cultures Credits: 3
Advised Term 1st Year
- PSY 2811 - Field Work Credits: 2 to 6
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 3010 - Theories of Personality Credits: 3
Advised Term - 3rd Year
- PSY 3070 - Abnormal Psychology Credits: 3
Advised Term - 3rd Year
- PSY 4151 - Counseling Credits: 3
Advised Term - 4th Year

- PSY 4820 - Human Service Internship Credits: 3 to 12
Advised Term - 4th Year
Six credits are required for graduation and they must be taken in the same semester

At Least 12 Credits Must Be Selected

At least 12 credits must be selected in consultation with the Psychology Department advisor from 3000/4000 level courses in psychology, sociology, recreation, anthropology, education, and fields related to the student's present occupational, vocational, or further educational objectives. At least 6 of these credits must be in psychology. Students are encouraged to design their own sequence of courses, field work, and independent study within their concentration.

Recommended Courses:

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, 1130, or 2260 to satisfy the 5th choice (elective) course.

- BIO 2011 - Human Anatomy and Physiology I Credits: 4
(see footnote *)
- BIO 2012 - Human Anatomy and Physiology II Credits: 4
(see footnote *)
- BUS 2410 - Human Resources Management Credits: 3
(see footnote *)
- BUS 3250 - Organizational Behavior in Business Credits: 3
- MAT 2021 - Statistics Credits: 3
- OER 3020 - Program Planning and Delivery Credits: 3
- PHI 3130 - Philosophies of Gender Credits: 3
- POS 3060 - Vermont Politics Credits: 3
- PSY 2040 - Social Psychology Credits: 3
(see footnote *)
- PSY 3050 - Child Development Credits: 3
- PSY 3110 - Adulthood and Aging Credits: 3
- PSY 3210 - Perspectives on Death and Dying (also PHI 3210) Credits: 3
- PSY 3230 - Psychology of Gender Credits: 3
- PSY 3260 - Adolescent Development Credits: 3
- PSY 4110 - Creative Therapies Credits: 3
- PSY 4120 - History of Psychology Credits: 3
- PSY 4140 - Women in Psychology Credits: 3
- PSY 4150 - Family Interaction: Theories and Therapy Credits: 3
- PSY 4152 - Advanced Counseling Credits: 3
- PSY 4160 - Counseling with Groups Credits: 3
- PSY 4170 - Counseling Children and Adolescents Credits: 3
- PSY 4210 - Psychopharmacology Credits: 3
- PSY 4710 - Special Topics in Psychology Credits: 1 to 4
- SOC 2220 - The Family in Society Credits: 3
- SOC 3050 - Gender and Society Credits: 3

Footnotes

* These courses count as 3000-4000 elective selections.

Minor

Human Services Minor

Minimum credits required for the program: 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
OR
- PSY 2090 - Lifespan Across Cultures Credits: 3
- PSY 2270 - Introduction to Human Services Credits: 3
- PSY 3070 - Abnormal Psychology Credits: 3
- PSY 4151 - Counseling Credits: 3

Psychology Minor

Minimum credits required for the program: 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
OR
- PSY 2090 - Lifespan Across Cultures Credits: 3

Recreation Resource and Ski Resort Management

John DeLeo, Professor

Catherine DeLeo, Professor

Rodney Zwick, Professor

T. Kelly Rossiter, Instructor

B.S. Recreation Resource and Ski Resort Management:

Ski Resort Management

Natural Resource GIS Mapping and Planning

Adventure-Based Program Management

A.S. Geographic Information Systems/Global Positioning Systems

Minors: Applied Group Leadership, Foundations of Social Research, Rural Community Organization and Administration

Program Mission Statement

The Recreation Resource & Ski Resort Management Department has a threefold educational purpose:

- to provide academic preparation consisting of a broad-based liberal arts foundation, a professional core and specialization in Natural Resource GIS Mapping and Planning, Ski Resort Management, or Adventure Based Program Management
- to serve as a community resource and advocate of improved quality of life through the promotion and direct service of leisure experiences and education
- to facilitate the scholarly growth of faculty and students through research and professional development

The Recreation Resource & Ski Resort Management Department's mission is to maintain a caring environment in which to prepare leaders who are intellectually capable and competent in the management of recreation resources and in the delivery of leisure services. The department strives to develop responsible and confident individuals who are independent and logical thinkers with socially and environmentally sensitive values.

Program Goals

The program goals of the Recreation Resource & Ski Resort Management Department bond the three concentrations of Adventure-Based Program Management, Natural Resource GIS Mapping and Planning, and Ski Resort 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

Goals for the program include gaining the knowledge, skill and appreciation necessary for the profession. Goals are assessed throughout the curriculum.

Course Requirements

The Department offers three concentrations in the baccalaureate program: Ski Resort Management, Natural Resource GIS Mapping and Planning, and Adventure-Based Program Management. 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 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 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-Based Program Management concentration prepares students to work in organizations that utilize adventure activities as a process for learning outdoor skills and for enhancing individual and group/team development. Classroom experiences provide students with a theoretical understanding of adventure education, experiential learning, leadership, and group dynamics. In addition, students learn the skills of outdoor leadership, team building, program development, and risk management. 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. Opportunities are available for students to obtain essential leadership experience through involvement with the LSC Adventure Program, including challenge ropes course and a variety of outdoor activities. The Green Mountains of Vermont and White Mountains of New Hampshire serve as natural learning laboratories. Graduates prepare for career opportunities as outdoor instructors, expedition leaders, or program directors and administrators in commercial adventure-based programs, outdoor and environmental education centers, recreation departments, and other public and private organizations.

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 recreationfield 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.

Associate Degree in Applied GIS/GPS

This degree program follows the National Center for Geographic Information and Analysis (NCGIA) guidelines for college programs. Upon completion of this program students should be employable at entry level GIS and GPS positions for companies and industries using either or both of these technologies. Students will possess a basic understanding of the principles and concepts of spatial analysis and georeferencing techniques as well as applied field and lab experience using existing software and hardware. Although not as technical in breadth as other spatially analytical college programs, this program is rich in practical Natural Resource field-based applications provided through collaborative opportunities with Federal, State and Local government agencies and local civic groups. Students will be involved in the planning, implementation and delivery of both GIS and GPS projects. This program is designed for the active student that enjoys working in small groups and sharing their knowledge with others.

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.

Associate of Science

Geographic Information Systems/Global Positioning Systems

Minimum required credits for the program: 62

Requirements for the Associate Degree in Geographic Information Systems/Global Positioning Systems

- GIS 1050 - Introduction to Fundamentals of Geographic Information Systems (GIS) and Global Positioning Systems (GPS) Credits: 3
OR
- OER 1410 - Introduction to Natural Resource GIS Mapping and Planning Credits: 3

Take the following:

- GIS 2010 - Spatial and Network Analysis Techniques in Geographic Information Systems Credits: 3
- GIS 3010 - Introduction to Analysis of Remote Satellite Digital Imagery Credits: 3
- GIS 3020 - Practical Applications with Satellite Digital Imagery Credits: 3

Take Three Credits of the Following Skill Classes:

- GIS 1010 - Applied Techniques in Thematic Mapping and Data Base Management Credits: 1
- GIS 1020 - Applied Techniques in Geocode Mapping and Data Base Management Credits: 1
- GIS 1030 - Mapping Applications using U.S. Census TIGER Line Files and Census Data Credits: 1

Field Work

- GIS 1040 - Applied Field Techniques in Global Positioning Systems (GPS) and Data Base Management Credits: 3
OR
- OER 2830 - Field Practicum in Natural Resource GIS Mapping and Planning Credits: 4 each semester

Internships

- GIS 3830 - Field Internship in GIS/GPS Credits: 3 to 6
OR
- OER 4820 - Management Internship Credits: 9 to 15

Computer Science Courses: (6 credits)

- CIS 1220 - Concepts of the Internet and WWW Credits: 1
- CIS 2011 - Visual Basic Programming Credits: 3
- CIS 2141 - Programming Internet and Web Applications Part I Credits: 3

Bachelor of Science

Recreation Resource and Ski Resort Management — Adventure-Based Program Management

Minimum required credits for the program: 68

Recreation majors may not use OER 1010 as a GEU Social Science choice course to satisfy their Divisional Choice requirement of 3 credits in the Social Sciences.

Requirements for the Adventure-Based Program Management Concentration

Core Requirements: (46 Credits)

- MAT 2021 - Statistics Credits: 3
Advised Term - Fall 3rd Year
- OER 1010 - Leisure and Society Credits: 3
Advised Term - Fall 1st Year
- OER 1020 - Problem Solving Techniques Credits: 3
Advised Term - Spring 1st Year
- OER 1080 - Leadership Theory and Practice Credits: 3
Advised Term - Spring 1st Year
- OER 1810 - Outdoor Education/Recreation Practicum Credits: 3
Advised Term - Spring 1st Year
- OER 2010 - Leisure Service Delivery Systems Credits: 3
Advised Term - Fall 2nd Year
- OER 2120 - Recreation Resource Impacts Credits: 4
Advised Term - Fall 2nd Year
- OER 3020 - Program Planning and Delivery Credits: 3
Advised Term - Fall 3rd Year
- OER 3910 - Research Design and Analysis Credits: 4
Advised Term - Fall 3rd Year
- OER 4020 - Recreation Management Principles and Practices Credits: 4
Advised Term - Fall 3rd Year
- OER 4720 - Management Intern Seminar Credits: 1
Advised Term - 3rd Year
- OER 4730 - Senior Thesis Credits: 3
Advised Term - 4th Year
- OER 4820 - Management Internship Credits: 9 to 15
Advised Term - 4th Year

Adventure-Based Program Management: (22 Credits)

- OER 1110 - Introduction to Adventure Programming Credits: 3
Advised Term - Fall 1st Year
- OER 1120 - Outdoor Adventure Skills Credits: 1
Take with OER 1310 for a total for 3 Credits
Advised Term - 1st and 2nd Year
- OER 1132 - Outdoor Adventure Skills Credits: 1 to 2
Advised Term - 1st through 4th Year
- OER 1310 - Outdoor Adventure Skills Credits: 1
Take with OER 1120 for a total of 3 Credits
Advised Term - 1st and 2nd Year
- OER 2060 - Wilderness First Responder Procedures Credits: 3
Advised Term - Fall 2nd Year
- OER 2850 - Adventure Programming Leadership Skills Credits: 4 each semester
Advised Term - Fall 2nd Year
- OER 3060 - Risk Management in Adventure Programming Credits: 3

- Advised Term - Spring 3rd Year
- OER 3140 - Outdoor Expedition Credits: 1 to 4
(Students must participate in two outdoor expeditions for a total of 4 credits).
Advised Term - 3rd or 4th Year

Recreation Resource and Ski Resort Management — Natural Resource GIS Mapping and Planning

Minimum required credits for the concentration: 59

Recreation majors may not use OER 1010 as a GEU Social Science choice course to satisfy their Divisional Choice requirement of 3 credits in the Social Sciences.

Requirements for the Natural Resource GIS Mapping and Planning Concentration

Core Requirements: (46 Credits)

- MAT 2021 - Statistics Credits: 3
Advised Term - Fall 3rd Year
- OER 1010 - Leisure and Society Credits: 3
Advised Term - Fall 1st Year
- OER 1020 - Problem Solving Techniques Credits: 3
Advised Term - Spring 1st Year
- OER 1080 - Leadership Theory and Practice Credits: 3
Advised Term - Spring 1st Year
- OER 1810 - Outdoor Education/Recreation Practicum Credits: 3
Advised Term - Spring 1st Year
- OER 2010 - Leisure Service Delivery Systems Credits: 3
Advised Term - Fall 2nd Year
- OER 2120 - Recreation Resource Impacts Credits: 4
Advised Term - Fall 2nd Year
- OER 3020 - Program Planning and Delivery Credits: 3
Advised Term - Fall 3rd Year
- OER 3910 - Research Design and Analysis Credits: 4
Advised Term - Fall 3rd Year
- OER 4020 - Recreation Management Principles and Practices Credits: 4
Advised Term - Spring 3rd or 4th Year
- OER 4720 - Management Intern Seminar Credits: 1
Advised Term - 3rd Year
- OER 4730 - Senior Thesis Credits: 3
Advised Term - 4th Year
- OER 4820 - Management Internship Credits: 9 to 15
Advised Term - 4th Year

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

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

Recreation Resource and Ski Resort Management — Ski Resort Management

Minimum required credits for the concentration: 60

Recreation majors may not use OER 1010 as a GEU Social Science choice course to satisfy their Divisional Choice requirement of 3 credits in the Social Sciences.

Requirements for the Ski Resort Management Concentration

Core Requirements: (46 Credits)

- MAT 2021 - Statistics Credits: 3
Advised Term - Fall 3rd Year
- OER 1010 - Leisure and Society Credits: 3
Advised Term - Fall 1st Year
- OER 1020 - Problem Solving Techniques Credits: 3
Advised Term - Spring 1st Year
- OER 1080 - Leadership Theory and Practice Credits: 3
Advised Term - Spring 1st Year
- OER 1810 - Outdoor Education/Recreation Practicum Credits: 3
Advised Term - Spring 1st Year
- OER 2010 - Leisure Service Delivery Systems Credits: 3
Advised Term - Fall 2nd Year
- OER 2120 - Recreation Resource Impacts Credits: 4
Advised Term - Fall 2nd Year
- OER 3020 - Program Planning and Delivery Credits: 3
Advised Term - Fall 3rd Year
- OER 3910 - Research Design and Analysis Credits: 4
Advised Term - Fall 3rd Year
- OER 4020 - Recreation Management Principles and Practices Credits: 4
Advised Term - Spring 3rd and 4th Year
- OER 4720 - Management Intern Seminar Credits: 1
Advised Term - 3rd Year
- OER 4730 - Senior Thesis Credits: 3
Advised Term - 4th Year
- OER 4820 - Management Internship Credits: 9 to 15
Advised Term - 4th Year

Ski Resort Management Concentration: (14 Credits)

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

Minor

Applied Group Leadership

This minor program focuses on leadership skills. The courses blend theory and practices that use group experiences, group initiative problems and group-planned events as instruments and vehicles for group leadership and problem solving.

Minimum required credits for the program: 18

Requirements for the Minor in Applied Group Leadership

Required Courses: (9 Credits)

- OER 1080 - Leadership Theory and Practice Credits: 3
- OER 1110 - Introduction to Adventure Programming Credits: 3
- OER 1810 - Outdoor Education/Recreation Practicum Credits: 3

Choose Any Three of the Following: (9 Credits)

- BUS 2020 - Principles of Management Credits: 3
- BUS 2410 - Human Resources Management Credits: 3
- BUS 3250 - Organizational Behavior in Business Credits: 3
- OER 3060 - Risk Management in Adventure Programming Credits: 3

Foundations of Social Research

Within this minor, courses provide a foundation for understanding and conducting research related to the social sciences. A solid foundation in mathematics is recommended, as well as competence in writing and reading. Students formulate a research design that identifies and statistically tests hypotheses and implements appropriate methodologies to draw conclusions and make recommendations.

Minimum required credits for the program: 16

Requirements for the Minor in Foundations of Social Research

- MAT 2021 - Statistics Credits: 3
- OER 1020 - Problem Solving Techniques Credits: 3
- OER 3910 - Research Design and Analysis Credits: 4
- OER 4730 - Senior Thesis Credits: 3
- PSY 4020 - Psychological Testing Credits: 3

Secondary Education

Licensure

Secondary Education

Secondary Education Faculty in Related Areas:

Ernest Broadwater, Professor (Education)
 Linda Metzke, Professor, (Education)
 Elaine Razzano, Associate Professor (English)
 Julie Theoret, Associate Professor (Mathematics)

Licensure in Secondary Education Program:

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 will be available from the Education secretary. File the application with the chair of the Secondary Education Program. To be eligible, a student is to have:

1. taken EDU-2025, Introduction to Secondary Education;
2. GPA of 2.63 overall and in 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. Comply with current State of Vermont regulations regarding skills testing for licensure, including passing the Praxis II in endorsement areas; and
6. 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.

Secondary Education Licensure Courses

Psychology and Education: (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:

Starred courses in the English Literature and Cultural Studies Concentration required for Secondary Education licensure (e.g., ENG 2390 Survey of World Literature, and ENG 2020 Understanding the Writing Process; see the English Literature Program).

- ENG 2540 - Global English: Forms, Roles & Issues Credits: 3
- ENG 3450 - Issues in British Literature and Culture 1750-present Credits: 3

Mathematics:

Two of three elective courses in the B.A. Program in Mathematics that fulfill Secondary Education competencies are required for Secondary Education licensure.

- MAT 3010 - History of Mathematics Credits: 3
- MAT 4140 - Geometry Credits: 3

Natural Science:

- SCI 4010 - History of Science Credits: 4

Social Studies:

The Social Science major is required for Secondary Education licensure (see Social Sciences Department), including at least two courses at the 3000 or 4000 level in American History or American Government.

Social Science

Janet Bennion, Associate Professor (Sociology and Anthropology)

Paul Searls, Assistant Professor (History)

Alexandre Strokanov, Professor (History)

B.A. Social Science

B.A. Global Studies

Liberal Studies Concentrations (See Liberal 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 society. 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. The department offers Bachelor of Arts degrees in Social Science and Global Studies. Students may also elect anthropology/ sociology, history, political science, gender 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.

Program Goals/Learning Outcomes

The Social Science department develops and enhances each student's ability to:

- 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;
- use the disciplinary concepts, knowledge, and tools of social science, to analyze a social phenomena, issue or problem of the past or present that reflects an understanding of the contemporary social forces that influenced behavior in the social environment under study in order to gain a greater understanding of human behavior and institutions in a social setting.;
- conduct research using critical thinking, social science methodologies, develop a thesis and, using appropriate computer skills, interpret the results of one's research into a written monograph that conforms to the standards of the discipline(s);
- make an oral public presentation that clearly communicates to the audience the subject of the talk;
- work collaboratively as a constructive member of a team.

Programs 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, a presentation of the senior thesis, 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.

Graduation Requirements for all Social Science/Global Studies Majors:

1. In your junior year, sign up for SSC 4740 and SSC 3020.
2. In your senior year, select a thesis mentor in the department and sign up for SSC 4720. Submit your request for graduation to the Registrar's Office at least two semesters before commencement. Complete your cultural diversity and collaborative service projects.
3. Present your thesis two weeks prior to the date of your graduation in front of your peers and department faculty.
4. Prior to graduation, provide the Social Science chair with a portfolio containing your thesis, your cultural diversity paper, and your collaborative service sheet.

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 or 4th Year
- SSC 4720 - Senior Thesis Credits: 3
Advised Term - 4th Year
- SSC 4740 - Social Science Seminar Credits: 3
Advised Term - 4th 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 (note - The courses must be distinct from the Social Science Advanced Electives, i.e., no overlap):

- 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 3150 - In America's Shadow 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
- PSY 2090 - Lifespan Across Cultures Credits: 3
Advised Term - 3rd or 4th Year
- SSC 2110 - Globalization and Development Credits: 3
SSC 20XX Experience (Country) **Credits / Units: 1**
Advised Term - 3rd or 4th Year
- SSC 3820 - Global Studies Fieldwork 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.

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.

- ANT 1030 - Introduction to Anthropology Credits: 3
Advised Term - 1st or 2nd Year

- 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 1020 - American Politics and Government Credits: 3
(see footnote *)
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 or 4th Year
- SSC 4720 - Senior Thesis Credits: 3
Advised Term - 4th Year
- SSC 4740 - Social Science Seminar Credits: 3
Advised Term - 4th Year

Advanced Electives

Six additional courses from the department. At least five courses at the 3000-4000 level.

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.

Minor

Anthropology/Sociology

Minimum required for the program: 18

Requirements for the Minor in Anthropology/Sociology

Choose at Least Two Courses From: (6 Credits)

- ANT 1030 - Introduction to Anthropology Credits: 3
- SOC 1010 - Introduction to Sociology Credits: 3
- SOC 1030 - Social Problems Credits: 3
- SOC 2220 - The Family in Society Credits: 3

Additional Credits: (12 Credits)

Twelve additional credits in Anthropology or Sociology, at least nine credits at the 3000-4000 level.

Gender Studies

Minimum credits required 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

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 3399 - Gender Issues in Psychology 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 - Myth, Folklore, and Fairytales Credits: 3
- ENG 3399 - Gender Issues in Literature and Culture Credits: 3

History

Minimum required for the program: 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 for the program: 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 3150 - In America's Shadow 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
- OER 1010 - Leisure and Society Credits: 3
- PHI 3120 - Asian Religions Credits: 3
- POS 1030 - Comparative Government Credits: 3
- POS 2040 - International Relations Credits: 3
- POS 3020 - Problems in International Relations Credits: 3
- PSY 2090 - Lifespan Across Cultures Credits: 3
- SSC 2110 - Globalization and Development Credits: 3
- SSC 3820 - Global Studies Fieldwork Credits: 3

III. International Travel: 1 Credit

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

- SSC 2020 - Experience Russia Credits: 1
- SSC 2040 - Experience Brazil Credits: 1
- SSC 2050 - Experience China Credits: 1
- SSC 2070 - Experience Italy and Greece Credits: 1
- SSC 3820 - Global Studies Fieldwork Credits: 3

Political Science

Minimum required for the program: 18

Requirements for the Minor in Political Science

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

- POS 3120 - American Politics Credits: 3

Additional Courses: 9 Credits

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

Television Studies

David Ballou, Professor
Darlene R. Bolduc-Ballou, Director of Broadcast Operations
Tim Lewis, Assistant Professor
Mark Mohrmann, Video Broadcast Technician
Richard J. Portner, Professor
Elizabeth Wheeler, Instructor
Aaron Young, Telecommunications Technician

A.S. Television Production

A.S. TV News

B.S. Television Studies:

Broadcast News

Broadcast Design and Production

Program Mission Statement

The Department of Television Studies offers preparation toward a professional career in broadcast journalism, commercial video production, and an ever-growing field of emerging visual and media technologies leading to an associate's degree or a bachelor of science degree. Classroom study complements extensive hands-on experience at both the introductory and advanced levels in on-camera performance, broadcast news reporting and writing, and commercial video production. Established in 1980, the Department has a national awardwinning reputation for its live daily news casts, News 7, broadcast to more than 9,000 homes and utilizing affiliations with CNN/ NewsSource and the Associated Press as well as establishing active student chapters of professional organizations; -Society of Professional Journalists, (SPJ) -National Press Photographers Association, (NPPA) -American Women in Radio and Television, (AWRT) The Television Studies program offers students skills and knowledge acquisition in television production and broadcasting. Lyndon students demonstrate competence and creativity in written, oral, and presentational communication, and critical and analytical skills. The experiential nature of the program through LSC-TV/News 7, 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 in television necessary for professional career opportunities. The two-year Associate of Science degree provides individually designed study for those persons seeking skills enhancement for entry-level professional opportunities in television. The four year Bachelor of Science degree consistently leads to entry level career placement upon graduation.

Program

Assessment

Each year changes are made to our Television Studies 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 are actively engaged in working with and observing the industry. Faculty have been awarded grants for extended visitations and participation at regional television stations such as WCAX-TV CBS affiliate, 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 tapes" or portfolios we require of our students. LSC-TV News 7 has achieved consistent recognition since 1996, by the Associated Press and the National Society of Professional Journalists as the "Best College Newscast" in Vermont and The New England Region with National Honors as "Best College Newscast in the U.S." in 1997, as well as achieving recognition as Best Daily College Newscast in New England and Vermont on a regular basis. In 2003 and 2004, LSC-TV News 7 received Awards of Excellence from SPJ; Vermont Association of Broadcasting, Inc. Communication Award ; and an Emmy Award by The Academy of Television Arts and Sciences Foundation - College Television, and College Media Advisor's only "Best College News Broadcast" 2004. Students consistently achieve recognition by those same national organizations as award winners in television photojournalism, feature reporting, spot-news reporting, and investigative reporting, along with awards in overall excellence in journalism.

Associate of Science

Television Production

Minimum required credits for program - 30

Requirements for the Associate of Science in Television Production

Television Production Core: (18 Credits)

- TVS 1010 - Introduction to Media Communication Credits: 3
Advised Term - 1st Year
- TVS 1020 - Basic Theory and Operation of TV Equipment Credits: 3
Advised Term - 1st Year
- TVS 2120 - Television Studio Production Credits: 3
Advised Term - 1st Year
- TVS 2130 - Introduction to Broadcast Journalism Credits: 3
Advised Term - 2nd Year
- TVS 2140 - Electronic Field Production and Editing Credits: 3
Advised Term - 2nd Year
- TVS 2820 - LSCTV Sophomore Design and Broadcast Production Practicum Credits: 3
Advised Term - 2nd Year

Elective Courses: (12 Credits in TVS)

TV News

Minimum required credits for the program - 30

Requirements for the Associate of Science in Television News

Television News Core: (18 Credits)

- TVS 1010 - Introduction to Media Communication Credits: 3
Advised Term - 1st Year
- TVS 1020 - Basic Theory and Operation of TV Equipment Credits: 3
Advised Term - 1st Year
- TVS 2110 - Voice Production Credits: 3
Advised Term - 2nd Year
- TVS 2130 - Introduction to Broadcast Journalism Credits: 3
Advised Term - 2nd Year
- TVS 2140 - Electronic Field Production and Editing Credits: 3
Advised Term - 2nd Year
- TVS 2810 - LSC-TV Sophomore Editorial Practicum Credits: 3
Advised Term - 1st Year

Elective Courses: (12 Credits in TVS)

Bachelor of Science

Television Studies — Broadcast Design and Production

Minimum required credits for program - 45

It is recommended that Television Studies students seeking a Bachelor of Science degree in either concentration take at least 21 credit hours from the TVS list of suggested supportive courses - six credit hours at 1000 course level and at least 12 credits at the 2000-4000 course level. Courses taken for this supportive area will not count toward General Education requirements. Suggested supportive courses are found in Arts, Business Administration, Digital & Graphic Arts, Education, English, Exercise Science, Fine & Performing Arts, Mathematics, Meteorology, Natural Sciences, Psychology/Human Services, Recreation Resource & Ski Resort Management, Social Science, Foreign Language and International Travel.

Requirements for the Bachelor of Science in Television Studies

Television Studies Core - (18 Credits)

- TVS 1010 - Introduction to Media Communication Credits: 3
Advised Term - 1st Year
- TVS 1020 - Basic Theory and Operation of TV Equipment Credits: 3
Advised Term - 1st Year
- TVS 2120 - Television Studio Production Credits: 3
Advised Term - 2nd Year
- TVS 2130 - Introduction to Broadcast Journalism Credits: 3
Advised Term - 2nd Year

- TVS 2140 - Electronic Field Production and Editing Credits: 3
Advised Term - 2nd Year
- TVS 3030 - Law and Regulation in Broadcasting Credits: 3
Advised Term - 3rd Year

Requirements for Concentration: (27 Credits)

- THA 2080 - Theatre Arts in The Dramatic Format Credits: 3
Advised Term - 2nd Year
- TVS 2820 - LSCTV Sophomore Design and Broadcast Production Practicum Credits: 3
Advised Term - 2nd Year
- TVS 3010 - Television Post Production Credits: 3
Advised Term - 3rd Year
- TVS 3812 - LSCTV Junior Broadcast Design and Production Practicum Credits: 3
Advised Term - 3rd Year
- TVS 4010 - Directing for Television Credits: 3
Advised Term - 4th Year
- TVS 4820 - LSCTV Broadcast Design and Production Practicum Credits: 6 to 9
Total **Credits / Units:** 9
Advised Term - 4th Year
- TVS 4850 - Video Photojournalism Credits: 3
Advised Term - 4th Year

Television Studies — Broadcast News

Minimum required credits for program: 49.5

It is recommended that Television Studies students seeking a Bachelor of Science degree in either concentration take at least 21 credit hours from the TVS list of suggested supportive courses - six credit hours at 1000 course level and at least 12 credits at the 2000-4000 course level. Courses taken for this supportive area will not count toward General Education requirements. Suggested supportive courses are found in Arts, Business Administration, Digital & Graphic Arts, Education, English, Exercise Science, Fine & Performing Arts, Mathematics, Meteorology, Natural Sciences, Psychology/Human Services, Recreation Resource & Ski Resort Management, Social Science, Foreign Language and International Travel.

Requirements for the Bachelor of Science in Television Studies - Concentration in Broadcast News

Television Studies Core: (18 Credits)

- TVS 1010 - Introduction to Media Communication Credits: 3
Advised Term - 1st Year
- TVS 1020 - Basic Theory and Operation of TV Equipment Credits: 3
Advised Term - 1st Year
- TVS 2120 - Television Studio Production Credits: 3
Advised Term - 2nd Year
- TVS 2130 - Introduction to Broadcast Journalism Credits: 3
Advised Term - 2nd Year

- TVS 2140 - Electronic Field Production and Editing Credits: 3
Advised Term - 2nd Year
- TVS 3030 - Law and Regulation in Broadcasting Credits: 3
Advised Term - 3rd Year

Concentration: (33 Credits)

- TVS 2110 - Voice Production Credits: 3
Advised Term - 2nd Year
- TVS 2221 - Television Performance I Credits: 3
Advised Term - 2nd Year
- TVS 2810 - LSC-TV Sophomore Editorial Practicum Credits: 3
Advised Term - 2nd Year
- TVS 3150 - News Editing for Reporters and Producers Credits: 1.5
Advised Term - 3rd Year
- TVS 3222 - Television Performance II Credits: 3
Advised Term - 2nd Year
- TVS 3811 - LSCTV Junior Broadcast Editorial Practicum Credits: 3
Advised Term - 3rd Year
- TVS 4020 - Ethics and Issues in Broadcast News Credits: 3
Advised Term -4th Year
- TVS 4810 - LSCTV Broadcast Editorial Practicum Credits: 6 to 9
Advised Term -4th Year
Total **Credits / Units:** 9
- TVS 4830 - I-Team Special Projects Credits: 3
Advised Term -4th Year

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.

Credits: 4

ACC 2125 - Management Accounting, Planning, and Control

The instruction examines the factors involved in collecting, organizing and presenting financial data for managerial decisionmaking, planning and control. The course emphasizes the analysis of general and cost-accounting information as it pertains to the overall goal of cost management.

Prerequisites & Notes

The prerequisite is ACC 2121. This course is offered each 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 alternate falls.

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 2121. This course is offered every spring.

Credits: 3

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 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 spring.

Credits: 4

ACC 4021 - Advanced Accounting I

This course requires intensive problem solving in accounting for partnerships, branches, translation of foreign currency, SEC requirements, estates and trusts, installment sales, franchises, consignments, and fundamental government and nonprofit entities.

Prerequisites & Notes

The prerequisite is ACC 3112 or permission. This course is offered every fall.

Credits: 3

ACC 4022 - Advanced Accounting II

This course continues and completes the study begun in Advanced Accounting I of partnerships, branches, translation of foreign currency, multinational operations, SEC requirements, estates and trusts, installment sales, franchises, consignments, consolidations, and fundamental government and nonprofit entities.

Prerequisites & Notes

The prerequisite is ACC 4021. This course is offered every spring.

Credits: 3

ACC 4030 - Government and Non-Profit 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 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 prerequisite is either 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

Prerequisite is ANT 1030, SOC 1010, or SOC-1030 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

Prerequisite is ANT 1030, SOC 1010, or SOC 1030 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

Prerequisite is 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

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 in a designated era will be studied. Students shall receive a foundation in basic principles, concepts and standards, and also develop a personal "catalog" of artists and works. Each instructor brings vision and clarity to the subject matter through the individual instructor's field of expertise.

Prerequisites & Notes

This course is offered every semester.

Credits: 3

ART 1040 - Questioning Art

[Choice:AR] This course offers experiential study in understanding art from an artist's point of view. The conceptual, creative and practical nature of realizing works in progress will be articulated by the artist and students throughout the semester.

Prerequisites & Notes

This course is offered every semester.

Credits: 3

ART 2060 - Applied Art

[Choice:AR] Applied Art develops art fundamentals using varying approaches, depending on the nature of the group. The instruction emphasizes color and composition.

Prerequisites & Notes

This course is offered every semester.

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 2122 - Calligraphy II

[Choice:AR] This course covers the study and practice of historical scripts such as Roman Uncial, Irish Uncial, Half Uncial, Semi-Uncial from the Book of Kells, and the ornamented letter. It is not necessary to complete ART 2121 as a pre-requisite.

Prerequisites & Notes

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. Students can expect to spend about \$100 on supplies in addition to 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. During the semester each student should anticipate spending approximately \$150 for film and photographic paper.

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 3010 - Drawing

The instruction in this course utilizes various drawing media, pen and ink, charcoal, wash drawings, etc. The instruction emphasizes composition and studies from life. The course may be repeated for credit.

Prerequisites & Notes

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

Credits: 3

ART 3050 - Painting

This course emphasizes a broad study of techniques and materials through composition and color. The instruction explores a variety and combination of media, particularly water color and acrylic. The course may be repeated for credit.

Prerequisites & Notes

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 is offered every even-numbered spring. This course may be repeated.

Credits: 3

ART 3220 - Little Theatre Arts-Miniature Stage Sets

This sequence of Little Theatre Arts features miniature scale set construction and coordinated theatre costume design.

Prerequisites & Notes

This course is offered every odd-numbered fall.

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 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

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 each 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 each 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 2150 - The Plant Kingdom

[Choice:NS] The Plant Kingdom presents a survey of the plant world from an evolutionary viewpoint. The lectures trace the form and structure of the flowering plants back through the course of evolution to some of the simplest forms of plant life, through a consideration of the anatomy, morphology, and life cycles of living and extinct groups of plants. Frequent local field trips and a full-day trip to the Montreal Botanical Gardens are included. The laboratories center on the examination of reproductive characteristics of the plant groups. The class requires three classroom hours and one two-hour lab per week.

Prerequisites & Notes

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

Credits: 4

BIO 2160 - Plant Growth and Function

[Choice:NS] This course introduces plant physiology, growth and development, and genetics. The lectures include plant cell ultrastructure, photosynthesis, respiration, vascular translocation, transpiration, growth regulation by hormones, plant differentiation, germination and seed dormancy, and plant breeding and genetics. The laboratories focus on the demonstration of plant functions by experimental methods. Students grow plants to observe developmental processes and for experimental purposes. 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

BIO 2240 - Survey of the Animal Kingdom

[Choice:NS] The course takes students on a journey through the animal kingdom, from animal-like protists, to invertebrate molluscs, worms, and arthropods, to the vertebrates: fishes, amphibians, reptiles, birds, and mammals. Elementary principles of ecology introduce the course. Laboratory time focuses on live and preserved representatives of each animal group. 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

BIO 2320 - Principles of Zoology

[Choice:NS] The instruction offers a study of the basic principles underlying animal biology and emphasizes the gross anatomy and physiology of major systems, comparative evolution, genetics, and embryology. 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 fall.

Credits: 4

BIO 2350 - Principles of Ornithology

The instruction provides an elementary study of the principles of bird biology, including morphology, general physiology, taxonomy, evolution, and migration.

Prerequisites & Notes

There is a lab fee. This course is offered by student request.

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 3010 - Musculoskeletal and Neuromuscular Anatomy

This course focuses upon the structures and functions of the human organism in the specific areas of myology, osteology, motor and sensory neurology and arthrology. The perspective of this course will be upon applying these anatomical studies to orthopedic, therapeutic and rehabilitation medicine.

Prerequisites & Notes

The prerequisites are BIO 2011 and BIO 2012. 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 every spring.

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 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 2320 or BIO 2240, or permission. There is a lab fee. This course is offered every summer.

Credits: 4

BIO 3160 - Animal Behavior

Animal Behavior explores the relationship 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 every even-numbered spring.

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. This course is offered every even-numbered spring.

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 even-numbered 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 2150 and BIO 3330, or permission. There is a lab fee. This course is offered every odd-numbered fall.

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, one three-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

The study of hydrology, soils, erosion and water quality on a watershed scale. The course 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. It emphasizes practical applications and quantitative analysis of both theoretical and empirical data. Three lectures and one laboratory per week. There is a lab fee. This course is offered alternate spring semesters.

Prerequisites & Notes

Prerequisite: CHE-1031 and either BIO-1210, BIO-2150, BIO-2160, BIO-2240 or BIO-2320.

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 unique aspects of plant and animal interactions, water ecosystems, biodiversity, and the interrelatedness of biological systems.

Prerequisites & Notes

There is a lab fee.

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

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.

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 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 even-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, or in summer 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 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 and BUS 1210 and sophomore standing. 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 3010 - Insurance Planning

The course begins with a discussion of the principles of insurance, identifies the life, health, homeowner's, auto and other property and liability risk exposures. The bulk of the course consists of policy analysis of property and liability, life insurance, annuity, and health insurance policies. The course concludes with a discussion of the legal aspects of insurance, taxation of insurance products, and the selection of insurance companies and agencies.

Prerequisites & Notes

The prerequisite is junior standing or permission.

Credits: 3

BUS 3020 - Tax Planning

After a discussion of ethical considerations in tax planning, the course covers such topics as income tax fundamentals, tax compliance matters, taxation terminology, tax calculations, and tax accounting. The course then covers such topics as basis and cost recovery concepts, property dispositions, interest-expense deductions, tax management techniques, non-taxable transactions, passive activity loss and credit rules, and the tax implications of marriage dissolution. The course concludes with a discussion of interest and penalty taxes and other charges as well as tax pitfalls.

Prerequisites & Notes

The prerequisite is junior standing or permission.

Credits: 3

BUS 3030 - Customer Satisfaction

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. 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 3040 - The Financial Planning Process

This is a study of the process of financial planning, including gathering information, determining the client's status, developing and presenting the plan, implementing it, and monitoring its performance. Regulatory, ethical, and legal aspects of financial planning are explored as are such topics as asset valuation, forms of business ownership/entity relationships, ways of taking title to property, and budgeting and personal-use asset management.

Prerequisites & Notes

The prerequisite is junior standing or permission.

Credits: 3

BUS 3060 - Consumer Behavior

This course studies the consumer buying process by carefully examining both high and low involvement decision-making models. After a brief review of social and psychological foundations, the decision process and its marketing implications is the focus of study.

Prerequisites & Notes

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

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

Prerequisites are BUS 1210, ACC 2121, and ACC 2125 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. 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 spring.

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 2125, MAT 2021 and junior standing, or permission. This course is offered every spring.

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 and BUS 3060, or permission.

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 prerequisite is ACC 2125, 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.

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 prerequisite is junior standing and ACC 2125, 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 prerequisites is BUS 3350, or permission. This course is offered every spring.

Credits: 3

BUS 3810 - Business Internship

The Business Internship provides field placement with a business or industrial enterprise designed to provide the student with onsite, 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: 1 to 12

BUS 4010 - Estate Planning

Beginning with an overview of estate planning, the course discusses the pitfalls and weaknesses of estate planning, including methods for property transfer at death and estate planning documentation. Since taxation can be crucial in estate planning, there is an overview of the federal unified tax system, including federal gift taxation, the federal gross estate, valuation techniques, federal estate tax deductions, and the calculation of the federal tax liability. Characteristics and tax aspects of property interests, probate, liquidity planning, powers of appointment, and features of trusts are examined carefully. Estate and trust taxation are examined as are gifts, marital deductions and bypass planning. After considering charitable contributions and transfers and intra-family business and property transfers, postmortem and other estate planning issues conclude the course.

Prerequisites & Notes

The prerequisite is senior standing or permission.

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. In order to understand how a manager tries to solve a problem, the student investigates the distinctions between symptoms and the real underlying causes of problems and then responds with his or her own recommendations.

Prerequisites & Notes

The prerequisite is BUS 4240, 4260 and 4270 or permission. This course is offered every spring.

Credits: 3

BUS 4030 - Marketing Research

This course examines the concept of marketing research in business and its role and usefulness. The instruction uses a procedural model approach to describe the marketing research process, which includes: establishing objectives, obtaining data, surveys, sampling, processing and tabulation, analysis, interpretation, and presentation of findings.

Prerequisites & Notes

The prerequisites are BUS 2230 and MAT 3132, or permission. This course is offered every odd-numbered fall.

Credits: 3

BUS 4050 - Retirement and Employee Benefits Planning

After considering Social Security, Medicare and Medicaid, the course examines the ethical considerations in retirement planning and employee benefits. Types of retirement plans are then studied as well as qualified plan characteristics and distributions and distribution options. After a presentation of the construction of a retirement needs analysis, the course examines the process of recommending the most appropriate type of retirement plan, discusses the suitability of an investment portfolio for a qualified-plan situation, and then explores employee benefit plans in some depth. After looking at life, medical, and disability plans in employee benefit programs, the course looks at other employee benefits and the business applications of individual life and disability insurance.

Prerequisites & Notes

The prerequisite is senior standing or permission.

Credits: 3

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.

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. The course is strongly suggested as an introduction to BUS 3150.

Prerequisites & Notes

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 for this course is BUS 3350 or permission. This course is offered every fall.

Credits: 3

BUS 4270 - Entrepreneurial Strategy

This course deals with the factors influencing the development of strategies for innovation, competitive advantage, and managing change, control, growth, and transition of developing ventures. Case studies and/or computer simulation will be utilized to help the students identify the critical factors that are associated with the success or failure.

Prerequisites & Notes

The prerequisite for this course is BUS 3350, or permission of the instructor. This course is offered every fall.

Credits: 3

BUS 4420 - e-business Sales and Marketing

This course covers the sales and marketing of e-business solutions. Students learn techniques to manage the e-business sales strategy through a case studies approach. 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 1020 - Introduction to Chemistry

General Chemistry examines such topics as atomic structure and the periodic table, chemical reactions, gases, liquids and change of state, chemical equilibrium, acids and bases, chemical bonding and molecular structure, and introductory principles of organic chemistry. The course requires 2 1/2-hour lab per week.

Prerequisites & Notes

The prerequisites are high school chemistry and MAT 1410 or permission. 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 or co-requisite 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 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

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 once every year.

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 once every year.

Credits: 1

CIS 1070 - Advanced Concepts of Microcomputer Spreadsheets & Databases

This course is a continuation of CIS 1050 Concepts of Spreadsheets and CIS 1060 Concepts of Microcomputer Databases. More complex database and spreadsheet applications will be constructed. Advanced features in Excel and Access will be covered as well as the integration of these programs with each other and with other Windows programs.

Prerequisites & Notes

The prerequisite is CIS 1050 and CIS 1060, passed with a grade of C- or higher, or permission. This course is offered every spring.

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 once every year.

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 once every year.

Credits: 1

CIS 1230 - Computer Drawing and Painting

This course is designed to present the concepts and knowledge that are fundamental to computer drawing and painting and the production and presentation of creative images. Students explore concepts such as marquee, lasso, fill, background, color, objects and text. Students who successfully complete this course should understand the fundamental operations of computer drawing and painting and be able to produce self-drawn images. 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 once every year.

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 once every year.

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 once every year.

Credits: 1

CIS 1260 - Computer Manipulation of Photographs

This course is designed to present the concepts, knowledge, and skills necessary to input, redesign, and, make effective use of photographs, and other visual images using computer generated, and computer controlled methods. Students explore concepts, and skills such as stretching, shaping, rubberizing, masking, pinching, expanding, and refocusing photographs, icons and other media. Students who successfully complete this course should be prepared to produce computerized images and pictures, as well as 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 once every year.

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 once every year.

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

This course is offered at least once per year.

Credits: 3

CIS 2031 - C Programming

Topics include control flow, user defined and library functions, data types (simple and structured) operators, program design, basic input and output.

Prerequisites & Notes

This course is offered at least once per year.

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 2031. This course is offered at least once per year.

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, MAT 1531 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 spring.

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 at least once per year.

Credits: 3

CIS 2271 - Java Programming

Topic 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

This course is offered at least once per year.

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

Prerequisite is any other computer programming course. Offered every fall. There is a course fee.

Credits: 1

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 member.

Prerequisites & Notes

The prerequisite is sophomore status.

Credits: 1

CIS 3060 - Advanced Programming

This course is a continuation of CIS 2032 C++ Programming. The concepts of object-oriented analysis, design, and programming will be extended. Windows programming and the use of commercial software development tools will also be covered.

Prerequisites & Notes

The prerequisite is CIS 2032, passed with a grade of C- or higher. This course is offered every fall.

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 at least once per year.

Credits: 3

CIS 3120 - Programming Internet and Web Applications Part II

This course is a continuation of CIS 2011 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 database access by web applications and electronic commerce may also be covered.

Prerequisites & Notes

The prerequisite is CIS 2141 Developing Internet and Web Applications Part I. This course is offered every spring.

Credits: 3

CIS 3272 - Advanced Java

Topic include memory management, advanced object oriented concepts, data structures advanced swing user interface features, error handling, networking, advanced input and output.

Prerequisites & Notes

The prerequisite is CIS 2271. This course will be offered at least once per year.

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 4010 - Web Technology

Topics covered will include the web commerce infrastructure and e-business models, web software, construction of a web store, e-commerce security, and electronic parent systems.

Prerequisites & Notes

This course will be offered at least once per year.

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

This course is offered at least once per year.

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: 6

CIS 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.

Credits: 1

Digital Media

IDM 1015 - Web Style and Usability

This course concentrates on web interface, site structure, page design, typography, editorial style, and elementary web graphics. Students will also study and explore fundamental web usability topics.

Prerequisites & Notes

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

Credits: 3

IDM 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 IDM 1015. There is a lab fee. This course is offered every fall.

Credits: 3

IDM 2160 - Instructional Technology

This course focuses on creating instructional elements used in the classroom and the workplace. Students will use digital media software to design and develop instructional materials.

Prerequisites & Notes

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

Credits: 3

IDM 3020 - Virtual Arts and Sciences

This course explores ways in which interactive digital media enhance understanding of basic classroom concepts and principles in the liberal arts and sciences. Class projects might include the creation of an interactive, multimedia art exhibit or science project accessible via the campus network or the World Wide Web. The content of the course may vary, depending on the instructor. In that case, the course may be repeated for credit.

Prerequisites & Notes

The prerequisites are IDM 2050 and IDM 3040, or permission. There is a lab fee. This course is offered every fall.

Credits: 3

IDM 3030 - e-Business Fundamentals

This course explores the growth of e-business on the Internet. The course provides an opportunity for students to research, develop a business plan, and consider how to create a successful web based business. The content of this course may vary, depending on the instructor. In that case, the course may be repeated for credit.

Prerequisites & Notes

The prerequisites are IDM 2050 and IDM 3040, or permission. There is a lab fee. This course is offered every spring.

Credits: 3

IDM 3040 - Motion Graphics

This course introduces web animation software. Students will learn how to create advanced web animations.

Prerequisites & Notes

The prerequisite is IDM 2050. There is a lab fee. This course will be offered every spring.

Credits: 3

IDM 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 prerequisites are DGC 1010, DGC 1011, and IDM 2050. There is a lab fee. This course will be offered every spring.

Credits: 3

IDM 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 IDM 2050. There is a lab fee. This course is offered every spring.

Credits: 3

IDM 4010 - Multimedia Authoring

This course will introduce students to multimedia authoring. Multimedia authoring software can create multimedia projects allowing output to a variety of digital media such as: DVD, CDROMS, and kiosks.

Prerequisites & Notes

The prerequisites are DGC 1010, DGC 1011, IDM 2050, IDM 3040, and IDM 3050. There is a lab fee. This course is offered every fall.

Credits: 3

IDM 4020 - Basic 3D Animation

This course concentrates on 3D graphics and animations. The student will use 3D animation software to complete a self-directed web project.

Prerequisites & Notes

The prerequisites are DGC 1010, DGC 1011, IDM 2050, IDM 3040, and IDM 3050. There is a lab fee. This course is offered every spring.

Credits: 3

IDM 4030 - Digital 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

IDM 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 prerequisites are senior standing in the major or consent of the instructor.

Credits: 3 to 9

IDM 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.

Credits: 1

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

[GEU: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 Economic

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 prerequisite is 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.

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 1820 - The Paraeducator in the Classroom

This course introduces participants to working with children with disabilities. Topics include: collaborative teamwork; inclusive education, meeting the needs of families; cultural sensitivity, the characteristics of children and youth with disabilities, and the implementation of teacher-planned instruction.

Credits: 2

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.

Credits: 3

EDU 2110 - Introduction to Exceptional Student Populations

The content covers the etiology and characteristics of various exceptionalities found among children who are defined in federal legislation as requiring special education. Particular attention is given to the characteristics of children in the Northeast Kingdom in need of special services. Students should consult with the instructor for specific topics in a given semester.

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 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

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 3160 - Organization and Structure of the Middle School

This course focuses on the organizational features and practices of contemporary middle level schools. Current middle school philosophy that promotes success-oriented learning environments for the young adolescent is studied.

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 3310 - Behavior Management

Behavior Management presents a study of the various ways a teacher can handle normal but problematic behaviors and attitudes. The instruction emphasizes developmentally appropriate methods for controlling large and small groups of children and individuals.

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 fall.

Credits: 1.5

EDU 3320 - Planning and Organization

This course introduces students to the process of planning and organizing time and resources for instruction. The instruction also allows students to begin to develop the portfolio that documents their competence as teachers. Portfolio development continues throughout the student's program and will culminate during the Senior Seminar, EDU 4720.

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: 1.5

EDU 3350 - Teaching the Language Arts and Writing Process

This course is an exploration and theoretical foundation for teaching the language arts. The course explores the language arts curriculum with emphasis on understanding the processes and skills involved in growing language competence, learning a wide range of methods and techniques to foster language development, language skills, individually and culturally responsive approaches, and ways of assessing children's competence and development.

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: 3

EDU 3510 - Individualizing Instruction

This course provides instruction in planning and implementing instruction for diverse learners in an inclusive classroom. Students are introduced to differentiated instruction and universal design. The course provides instruction in developing education plans (IEP).

Prerequisites & Notes

The prerequisites are successful completion of EDU 2210, EDU 2840, EDU 3020, EDU 3320, EDU 3350 and EDU 3520 with a passing grade of C- or better, or permission. This course is offered every fall.

Credits: 1.5

EDU 3520 - Mathematics Methods

Mathematics Methods studies the instructional strategies, curriculum methods, and resources used in teaching mathematics. Curriculum standards developed by the National Counsel 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: 1.5

EDU 3540 - Reading and Literacy Development

Reading and Literacy Development introduces and promotes the use of child and adolescent literature for the development of thought, language, literacy, and multicultural perspectives in the classroom. The course explores literacy processes and development from birth through the middle grades. Focus is on theoretical foundations of literacy, meaning construction across symbol systems, early reading and writing behavior, meaning-centered instructional practices, and basic knowledge and instructional practices relating to word recognition skills and comprehension processes. The course introduces students to authentic instructional assessment approaches to promote literacy learning, diagnosis of individual needs, and strategies for linking assessment results with appropriate curriculum and instruction across the 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 - Computers 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

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: 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: 1

EDU 3810 - Teaching Apprenticeship

This course emphasizes developing professional relationships and working collaboratively with one's colleagues, developing teaching skills that address the needs of all children in one's charge, and developing a teaching style with which one feels comfortable. Each student is assigned two mentors: a professor and a teacher in the field who 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. The student meets periodically outside of the classroom with his or her mentors, and attends regularly scheduled seminars which address topics of interest.

Prerequisites & Notes

The prerequisites are successful completion of EDU 2840, EDU 3020, EDU 3310, EDU 3320, EDU 3350, EDU 3510, EDU 3520, EDU 3530, EDU 3540, EDU 3550, with a passing grade of C- or better in each course, acceptance to the Elementary Education major, a G.P.A. This course may be repeated only with the permission of the Education Department.

Credits: 9

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, Secondary Teaching Process, and EDU 3070, Secondary School Observation.

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 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 4720 - Student Teaching Seminar

Students take this course concurrently with student teaching and work on the requirement of professional competencies. Students research and present issues in education as they relate to the student teaching experience. The competency portfolio is completed as a requirement of this class.

Prerequisites & Notes

This course is offered every semester.

Credits: 3

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, and nine weeks of student teaching equals seven credits.

Prerequisites & Notes

The prerequisites are EDU 3810, a passing score on the Praxis I and II standardized test 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: 7 to 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

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 and nine weeks of student teaching equals seven credits.

Prerequisites & Notes

The prerequisite is EDU 3810, a passing score on the Praxis I and II standardized test 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: 7 to 12

EDU 4900 - 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 - Introduction to News Writing

Introduction to News Writing teaches the basics of news writing and editing, and includes straight news stories, features, reviews, editorials, makeup, headlines, and matters of editorial policy and ethics. Students regularly write for the college newspaper or participate in other equivalent news activities such as radio and TV.

Prerequisites & Notes

The prerequisite is ENG 1052 or permission. This course is offered every fall.

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 Writing for Publication

[Choice:AR] This course explores the art and craft of writing nonfiction and creative nonfiction. While the class explores the work of a variety of published authors, the emphasis is on writing nonfiction for publication. The course will include writing a variety of forms of nonfiction. No previous creative writing experience is required.

Prerequisites & Notes

The prerequisite is ENG 1052 or permission. This course is offered every spring.

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 offered every spring.

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 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 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 or ENG 2380 is required for English Secondary Education Licensure. This 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

[Choice:HU] This course offers advanced study of and practice in analytical, argumentative, and expository writing. The course focuses on techniques of logic and rhetoric, questions of style, techniques of rational and emotional persuasion, and the power of language.

Prerequisites & Notes

The prerequisite is ENG 1052 or permission. This course is offered every spring.

Credits: 3

ENG 3040 - Advanced News Writing

This intensive reporting class examines public institutions, their structures and operations, and provides students practice for publication in reporting on city, county, state and federal offices.

Prerequisites & Notes

The prerequisite is one ENG 2000-level writing course. This course is offered every spring.

Credits: 3

ENG 3050 - Publication Production

In this course the student gains practical experience in editing and preparation of publications. The course includes such elements as editing for publication, headline writing, photo editing, AP style, graphic design components of publication and basic typography. The emphasis is on the development of written materials for publication and on news judgment, accuracy and fairness. A class project includes the production of professional quality manuscripts and publications.

Prerequisites & Notes

The prerequisite is one ENG 2000-level writing course or permission. This course is offered every fall.

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 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 - Myth, Folklore, and Fairytales

This course explores myth, fairytales, and folklore 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 fairy and folk tales of the western tradition, we may also consider material from the African, 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 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 Fielding, Austen, Bronte, Dickens, Thackeray, Eliot, Hardy, 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 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, 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 this journalism workshop work on special term-length projects in many areas of print journalism. Students work on one of the campus publications, such as the student newspaper, the Critic, 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. The course may be repeated with permission.

Prerequisites & Notes

The prerequisites are ENG 1052 and two writing courses above ENG 1052, or permission. This course is offered every semester.

Credits: 3

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. The course is offered every other spring.

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 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 English majors 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.

Credits: 3

Environmental Science

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

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 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 prerequisite is junior standing, and MAT 1410, passed with a grade of C or higher, or permission. There is a lab fee. This course is offered every odd-numbered fall.

Credits: 2

ENV 3140 - OSHA Safety Course

This course covers processes, techniques, and procedures that will enable students to identify, evaluate, and control hazardous situations. They will acquire the knowledge and capability to develop safety plans and select the proper materials, and equipment for hazardous situations.

Prerequisites & Notes

The prerequisite is CHE 1032. There is a lab fee. This course is offered every even-numbered spring.

Credits: 2

ENV 3710 - Special Topics in Environmental Science

This seminar offers a weekly discussion of selected current topics from the fields of earth science and ecology. The instruction includes several reports researched, and presented by students. All Environmental Science majors are required to attend and participate regularly in the seminar during their junior and senior years. All potential Science majors are invited to attend the seminar. This seminar may be repeated for additional credit.

Prerequisites & Notes

This course is offered every semester.

Credits: 1

Exercise Science

AHS 1240 - Fitness for Health

This course will introduce students to the principles associated with fitness conditioning for health. Physical activities focusing on the health-related components of fitness will be emphasized; these include muscular strength, muscular endurance, cardio-respiratory endurance, flexibility, and body composition.

Prerequisites & Notes

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

Credits: 1

AHS 1250 - Fitness for Performance

This course will introduce students to the principles associated with fitness conditioning for performance. Physical activities focusing on the performance-related components of fitness will be emphasized; these include speed, power, agility, neuromuscular coordination, reaction time, balance, muscle hypertrophy, and anaerobic conditioning.

Prerequisites & Notes

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

Credits: 1

AHS 2050 - Human Gross Anatomy

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

AHS 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 pre-requisite is AHS-2050. This course is offered spring semester. There is a lab fee.

Credits: 4

AHS 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

AHS 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

AHS 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 AHS 2111.

Credits: 3

AHS 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 AHS 2111.

Credits: 3

AHS 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 prerequisite is AHS 2153 and AHS 2154. There is a lab fee. This course is offered every spring.

Credits: 3

AHS 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

AHS 3080 - Personal Fitness

This course is designed to provide students with instruction in the fundamental concepts necessary to provide one-on-one 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 American Council on Exercise Personal Trainer Certification. Although it is not required, candidates for the Personal Trainer certification are strongly encouraged to have a minimum level (approximately 100 hours) of practical experience in the health and fitness field.

Prerequisites & Notes

Pre-requisites are AHS-2050 and AHS-2055 or permission. There is a lab fee. This course is offered every spring.

Credits: 3

AHS 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 prerequisite is BIO 2011 and BIO 2012. There is a lab fee. This course is offered every spring.

Credits: 3

AHS 3150 - Physiology of Exercise

This course provides a systematic study of human physiological, biochemical processes, activities and phenomena as observed during and after physical exercise.

Prerequisites & Notes

The prerequisite is BIO 2011, BIO 2012 or AHS 2055. There is a lab fee. This course is offered every fall.

Credits: 4

AHS 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 pre-requisite is junior standing or permission. This course is offered every semester.

Credits: 1 to 6

AHS 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

Prerequisite is AHS 3120. There is a lab fee. This course is offered every spring.

Credits: 3

AHS 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

AHS 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 AHS 4071. There is a lab fee. This course is offered every spring.

Credits: 3

AHS 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 AHS 3120 and AHS 3150. This course is offered every fall.

Credits: 3

AHS 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 Instructor (HFI) certification.

Prerequisites & Notes

The prerequisite is AHS 3150. There is a lab fee. This course will be offered every fall.

Credits: 4

AHS 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 AHS 4090. There is a lab fee. This course is offered every fall.

Credits: 2

AHS 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

AHS 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 prerequisite is 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

AHS 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, 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 pre-requisite is AHS 4130 and senior standing, or permission. This course is offered every semester.

Credits: 1 to 6

AHS 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

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 prerequisite is sophomore standing and permission.

Credits: 3

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

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 semester.

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.

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 two half-day and two all-day 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 three 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 every odd-numbered fall.

Credits: 4

GEY 3040 - Mineralogy

Mineralogy includes such major topics as crystallography of minerals, identification of minerals and rocks, origin of minerals, and mineral resources. The course includes field trips. The course requires three classroom hours and one two-hour lab per week.

Prerequisites & Notes

The prerequisite is GEY 2112. There is a lab fee. This course is offered every odd-numbered spring.

Credits: 4

GEY 3110 - Hydrogeology

The course explores such topics as hydrologic cycle porosity and permeability of geologic material, hydraulic head, flow nets, pump tests, steady and unsteady flow patterns in aquifers, migration of solute fronts in aquifers, geology of groundwater occurrence. Some of these topics include a discussion of flood control, waste disposal, drinking water supplies, sources of water pollution and soil quality. At least two of these problems will be investigated in northern Vermont.

Prerequisites & Notes

The prerequisite is GEY 1111. There is a lab fee. This course is offered every even-numbered spring.

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

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

Permission of the instructor is required. There is a lab fee.

Credits: 1 to 4

GEY 4830 - Environmental Field Geology

This course offers detailed study of the geology of the American Southwest including the Grand Canyon, Colorado Plateau and Basin and Range. Instruction also focuses on the impact of development in delicate, arid environments. A ten day trip to the southwest is required. 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 at least one geology course and permission of the instructor. There is a lab fee. This course will be offered every spring.

Credits: 2

Graphic Design

DGC 1010 - Introduction to Graphic Design I

This course offers a basic study of the elements and principles of design and provides a visual problem-solving experience in an interactive studio setting. The instructor and students participate in class critiques of projects.

Prerequisites & Notes

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

Credits: 3

DGC 1011 - Introduction to Graphic Design II

This course offers a continued basic study of the elements and principles of design and provides a visual problem-solving experience in an interactive studio setting with a focus on color theory. The instructor and students participate in class critiques of projects.

Prerequisites & Notes

The prerequisite is DGC 1010 and co-requisite of ENG 1052 or permission. There is a lab fee. This course is offered every semester.

Credits: 3

DGC 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

DGC 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 DGC 1010 and 1011. This course is offered every semester. There is a lab fee.

Credits: 3

DGC 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 prerequisites are DGC 1010 and 1011. This course is offered every semester. There is a lab fee.

Credits: 3

DGC 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 DGC 1011 and 1025. There is a lab fee. This course is offered every semester.

Credits: 3

DGC 2045 - Survey of the Visual Arts

This course investigates the theory and practice of visual media communication in the Western world. The instruction explores the components of visual media with references to historical and contemporary image making, and emphasizes an understanding of terminology and media. Students learn to identify the basic elements and dynamics that are present in visual work.

Prerequisites & Notes

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

Credits: 3

DGC 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 DGC 1011, DGC 2015 and DGC 2025 or permission. There is a lab fee. This course is offered every semester.

Credits: 3

DGC 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 prerequisites are DGC 1011 or ART 1040. There is a lab fee. This course is offered every even numbered summer.

Credits: 3

DGC 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 prerequisites are DGC 2015 or permission. There is a lab fee.

Credits: 3

DGC 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-esthetics 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 DGC-1025 and DGC-2035. There is a lab fee.

Credits: 3

DGC 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 course prerequisite is DGC 2050. There is a lab fee. This course is offered every odd numbered fall.

Credits: 3

DGC 3111 - Design for Print

This course focuses on layout formats for print, and includes the evolution from thumbnails to roughs, to comps, to finished electronic files. Students work in an interactive lab/studio setting and participate in classroom critiques.

Prerequisites & Notes

The prerequisites are DGC 2015, DGC 2025, and DGC 2035 or permission. There is a lab fee. This course is offered every fall.

Credits: 3

DGC 3120 - Book Design & 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 multiplepage 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

Prerequisite is DGC 3111, or permission of the instructor. There is a lab fee. This course is offered every odd-numbered spring.

Credits: 3

DGC 3140 - Environmental Graphic Design

This course is an introduction to the field of Environmental Graphic Design. Students in this course will generate two- and three-dimensional graphics, create architectural plans, build models, and present design proposals. Course topics include Americans with Disabilities Act regulations, wayfinding systems, advertising and outdoor signage, and printing considerations specific to this industry.

Prerequisites & Notes

The prerequisites are DGC 2035, DGC 2050, and ENG 2020. There is a lab fee. This course is offered every even-numbered spring.

Credits: 3

DGC 3150 - Package Design

This course investigates the packaging industry and its impact on the consumer in retail environments. Principles of threedimensional 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 DGC 2035, DGC 2050, and ENG 2020. There is a lab fee. This course is offered every fall.

Credits: 3

DGC 4010 - Designing a Portfolio

Structured for senior graphic design majors, this course enables students to create, organize and design a portfolio based upon personal strengths and interests, with professional standards, and career expectations in mind. Each student produces a portfolio exhibiting as many of the skills as the designer possesses.

Prerequisites & Notes

The prerequisite is senior standing in the department. There is a lab fee.

Credits: 2

DGC 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 DGC 3111 and ENG 2020. There is a lab fee. The course will be offered every fall.

Credits: 3

DGC 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 ART 2301 and DGC 3111. There is a lab fee. This course is offered every spring.

Credits: 3

DGC 4050 - Children's Book Illustration

In this course students will be provided with an in-depth look at the creation of children's picture books. Students will learn concepts of visual story telling including character development, visual timing, and book layout. Students will continue to develop drawing skills, their own illustration style, and the ability to communicate visually through illustration, in traditional and/or electronic media.

Prerequisites & Notes

The course prerequisites are DGC 2050, ART 3010, ENG 2020 and a co-requisite of DGC 3111. There is a lab fee. This course is offered every even numbered fall.

Credits: 3

DGC 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

DGC 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 are senior standing or instructor permission. The course may be repeated once and it may include a lab fee.

Credits: 1 to 3

DGC 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 DGC 3111, ENG 2020, and a “B” or better average in the major. This course may be repeated for credit, but cumulative credits for DGC 4811 and DGC 4812 cannot exceed 12 credit hours. This course is offered every semester.

Credits: 1 to 6

DGC 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 DGC 3111, ENG 2020, and instructor permission. Students need to apply in advance by submitting a portfolio. This course may be repeated for credit, but cumulative credits for DGC 4811 and DGC 4812 cannot exceed 12 credit hours. There is a lab fee. This course is offered every semester.

Credits: 3 to 6

DGC 4920 - Special Studies 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 courses 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

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 3070 - Colonial North America

Colonial North America traces the interaction of the European colonial powers with the geography of North America, its native peoples, and with one another as these powers established and expanded their colonies throughout North America. The instruction examines the colonial cultures that developed.

Prerequisites & Notes

The prerequisite is HIS 1211 or permission. 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 3150 - In America's Shadow

This course traces the impact of the United States on its neighbors in the Americas and examines these relationships from the perspective of several neighbors as well as from that of the United States.

Prerequisites & Notes

The prerequisites are HIS 1211 or HIS 1212 or permission. This course is offered every odd-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 even-numbered 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

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

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 prerequisites are 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 prerequisites are 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 prerequisite is 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 the physical and intellectual environment devoted to the development of the mind. The Academic Community is a function of the geography, the size and layout of the institution; the academic and social programs; institutional traditions; the actions and attitudes of the faculty, staff, administration, and students. Within this setting exists an environment where civility, mutual respect, and a lack of bias are held to be essential to the exploration of knowledge, to the free exchange of ideas, and to the growth and development of the mind.

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 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 4740 - New Student Seminar Practicum

This course provides an opportunity for students to learn techniques for facilitating small group discussions and practice those skills in the classroom. It is intended for and limited to upper-class students assisting with INT 1010. It may be repeated once for credit.

Prerequisites & Notes

The prerequisites are sophomore standing and permission.

Credits: 4

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.

Credits: 1 *

MAT 0210 - Basic Math

This course provides basic mathematical literacy and competence in solving problems involving operations with the real numbers and elementary algebra. Upon completion of Basic Math, a student should be adequately prepared in mathematics for the variety of offerings that require only a modest mathematical background. The course is based on a series of modules that are administered on a self-paced basis. Student entry is determined by a placement exam designed to measure the level of mathematical competency. Demonstrated mathematical competency is a college requirement. *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 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.

Credits: 3 *

MAT 1020 - Intermediate Algebra

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. Problem solving techniques such as those of Polya are examined. 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, math competency, or permission. This course is offered every semester.

Credits: 5

MAT 1531 - Calculus I

Calculus I introduces the calculus of one real variable: functions, limits, continuity, derivatives, curve sketching, 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 2115 - Number and Operation in K-8

This course is designed to build a deep understanding of the concepts of number and operation important in elementary and middle school teaching and to support standards based instruction. Class activities will help participants expand their mathematical understanding by providing opportunities to discuss and reflect on mathematical concepts. This course will explore the role of number and operation in problem solving across the mathematical strands. This course is intended for those working in a K-8 classroom and may not be used to fulfill the requirements for the mathematics major.

Credits: 3

MAT 2120 - Discrete Structures

This course introduces discrete structure in computer science. The instruction covers such topics as sets, set logic, relations, functions, proof techniques, induction, logic, graphical representations, and algorithms.

Prerequisites & Notes

The prerequisite is MAT 1060 or MAT 1020 or MAT 1221. This course is offered every fall.

Credits: 3

MAT 2532 - Calculus II

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

The instruction 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 2120 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 semester.

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 2120 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 2120, passed with a grade of C- or higher, or permission. This course is offered every odd-numbered spring.

Credits: 3

MAT 3820 - 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 2120, 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 2120 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 2120, 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 member.

Prerequisites & Notes

The prerequisite is senior status.

Credits: 1

Meteorology

MET 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 0210). There is a lab fee. This course is offered every semester.

Credits: 4

MET 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 pre-requisite is basic math competency (MAT 0210). There is a lab fee. This course is offered every semester.

Credits: 4

MET 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 MET 1010 or MET 1211. There is a lab fee.

Credits: .5 to 3

MET 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

MET 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 MET 1211.

Prerequisites & Notes

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

Credits: 1

MET 1212 - Survey of Meteorology II

This second semester course continues MET 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, MET 1211, and MET 1211L. There is a lab fee. This course is offered every spring.

Credits: 3

MET 1212L - Survey of Meteorology II Lab

This second semester lab course serves as a continuation of MET 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 MET 1211L, the instruction places heavy emphasis on the use of real-time data and problem solving. MET 1212L is taught in tandem with the lecture topics presented in MET 1212. This course is designed for meteorology and other science-oriented students.

Prerequisites & Notes

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

Credits: 1

MET 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, MET 1212, MET 2110, and the co-requisite is PHY 2062. There is a lab fee. This course is offered every spring.

Credits: 3

MET 2050 - Statistical Applications in Meteorology

This course introduces data analysis using meteorological examples and applications. The instruction covers such topics as descriptive statistics, relationship analysis, probability weather forecasting, forecast verification schemes, and analysis of climatological data sets.

Prerequisites & Notes

The prerequisites are MET 1212, MET 1212L. There is a lab fee. This course is offered every even-numbered fall.

Credits: 3

MET 2060 - Climatology

This course is a comprehensive study of world climates, including regional descriptions, meteorological controls, and influences on societies. Other topics covered include climate change and analysis and application of climate data sets.

Prerequisites & Notes

The prerequisites are MAT 1410, MET 1212 and MET 1212L. There is a lab fee. This course is offered every even-numbered spring.

Credits: 3

MET 2110 - Weather Data and Analysis

This course familiarizes students with standard weather data and software in our networked environment. National Weather Service text bulletins, forecast products, and real time data are described, decoded, hand and machine plotted and analyzed, and interpreted. Both UNIX and Windows software - McIDAS, Gempak, the IDV, and Bufkit - are utilized. Students also learn: to use scripts, spreadsheets, and data bases for data analysis; to appreciate basic concepts from numerical weather prediction; and to prepare and present weather briefings.

Prerequisites & Notes

The prerequisites are Met1212, and Met1212L. There is a lab fee. This course is offered every fall.

Credits: 3

MET 2210 - Geophysical, Human Interactions

This course examines the interactions among humans, the Earth, and the atmosphere. Topics include the human impact on weather, climate and climate changes, tropospheric pollution, ozone, precipitation acidification, and biogeochemical cycles. Societal, health, and economic impacts of these phenomena on the human condition are also explored.

Prerequisites & Notes

Prerequisite is MAT 1531, and high school physics; Sophomore standing. There is a lab fee.

Credits: 3

MET 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 MET 2110 and TVS 2110. There is a lab fee. This course is offered every semester.

Credits: 1 to 4

MET 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 MET 3140, MET 3321, and MET 3331. There is a lab fee. This course is offered every spring.

Credits: 3

MET 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 MET 2020, PHY 2061, and PHY 2062. There is a lab fee. This course is offered every fall.

Credits: 3

MET 3220 - Physical Oceanography

Physical Oceanography provides an overview of oceanography and emphasizes properties of water, waves, tides, currents, upwelling, and air-sea interaction.

Prerequisites & Notes

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

Credits: 3

MET 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 MET 2020. There is a lab fee. This course is offered every even-numbered fall.

Credits: 3

MET 3270 - Television Weather Graphics

This course introduces students to graphical software used in broadcast meteorology. Students will learn to how 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. Course may be repeated three times

Prerequisites & Notes

Pre-requisites: MET 2110, TVS 2110, MET 3020, and TVS 2221. Co-requisites: TVS 3222 or MET 4010. There is a lab fee. This course is offered every semester.

Credits: 1

MET 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

Co-requisite: junior standing. This course is offered every fall semester.

Credits: 1

MET 3310 - Forecasting Applications

This course offers a daily practicum in site-specific forecasting, using state-of-the-art data products. The instruction allows students to become active participants in exploring the Internet to discover new tools and sources of weather data, in compiling and synthesizing this data, and in developing a consensus forecast. The course may be repeated, but no more than 6 credits can be applied toward graduation.

Prerequisites & Notes

The prerequisite is MET 2110. There is a lab fee. This course is offered every spring.

Credits: 3

MET 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 MET 2020, MAT 2543, and PHY 2062 and the co-requisite is MET 3331. There is a lab fee. This course is offered every fall.

Credits: 3

MET 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 MET 3321 and the co-requisite is MET 3332. There is a lab fee. This course is offered every spring.

Credits: 3

MET 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 MET 2110 and MET 2020 and the co-requisite is MET 3321. There is a lab fee. This course is offered every fall.

Credits: 3

MET 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 MET 3331 and the corequisite is MET 3322. There is a lab fee. This course is offered every spring.

Credits: 3

MET 3410 - GIS Project Using Geophysical Data

Students will conduct a meteorologically related research project using GIS technology to integrate and analyze geophysical data sets. Course may be repeated once.

Prerequisites & Notes

Prerequisites: GIS- 2010, GIS-3010, MET-2110. Offered every spring. There is a course fee.

Credits: 1

MET 3411 - GIS Project Using Geophysical Data II

Students complete the research project started in MET-3410, write a summary of the project and results, and present a talk based on this paper.

Prerequisites & Notes

Pre-requisite: MET-3410. There is a course fee. Courses is offered every spring semester.

Credits: 2

MET 4010 - Television Weathercasting

This course allows advance students an opportunity to prepare forecasts and present them on the college's television station (LSCTV). The course consists of weekly class meetings and oneon- 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 MET 3020, MET 3332, TVS 3222, and the co-requisite is TVS 4030. There is a lab fee. This course is offered every semester.

Credits: 1

MET 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 MET 2020. There is a lab fee. This course is offered every odd numbered fall.

Credits: 3

MET 4030 - Synoptic Climatology

This course provides a climatological study of synoptic features of daily surface and upper-air weather charts, a discussion of the description and causes of typical weather in each region of the U.S. in each season, and applications to weather forecasting.

Prerequisites & Notes

The prerequisites are MET 2020 and MAT 3130. There is a lab fee. This course is offered every even-numbered fall.

Credits: 3

MET 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 MET 2020. There is a lab fee. This course is offered every even-numbered spring.

Credits: 3

MET 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 1032 and MET 2020. There is a lab fee. This course is offered every odd numbered spring.

Credits: 3

MET 4060 - Boundary Layer Meteorology

This course provides a comprehensive study of the atmospheric boundary layer. The instruction features such topics as fluxes of heat, moisture, momentum, and energy, as well as many applications.

Prerequisites & Notes

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

Credits: 3

MET 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

Co-requisite: senior standing in a meteorology major. This course is offered every semester.

Credits: 3

MET 4072 - Broadcast Meteorologist II

This course extends coverage of MET 4071 to other meteorological and environmental topics suitable to the participants' needs.

Prerequisites & Notes

Pre-requisite: MET 4071. This course is offered every semester.

Credits: 3

MET 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 MET 3321 and MET 3331. There is a lab fee. This course is offered every odd-numbered spring.

Credits: 3

MET 4120 - Mesoscale Meteorology

This course provides a comprehensive study of the structure, evolution, and dynamics of atmospheric phenomena having spatial scales between 2 and 2,000 km. Topics include sea/land/lake breezes, the dryline, coastal fronts, gust fronts, air-mass thunderstorms, multicell thunderstorms, supercells, mesoscale convective systems, bow echoes, derechoes, tornadoes, and gravity waves. Students will study the phenomena through examination of data from a variety of observing platforms, mesoscale models, case studies, and multi-media instructional modules.

Prerequisites & Notes

The prerequisites are MET 3321 and MET 3331. There is a lab fee. This course is offered every even-numbered spring.

Credits: 3

MET 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, MET 3020 and TVS 2221.

Prerequisites & Notes

Pre-requisites: MET 2110, TVS 2110, and permission. There is a course fee. Offered every fall. Course may be repeated twice.

Credits: 1

MET 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

MET 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

Prerequisites are MET 3321 and MET 3331 and MET 3140. There is a lab fee. This course is offered every fall.

Credits: 2

MET 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 MET 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 MET 4712.

Prerequisites & Notes

The prerequisite is MET 4712. There is a lab fee. This course is offered every spring.

Credits: 2

MET 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

MET 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

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

Prerequisite: 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 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

This course is offered every spring. There may be a course fee.

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 rent a guitar through the FPA Department for the semester. A rental charge and/or deposit for instrument usage may be added. In the event that the student owns a guitar, the instructor will have final say as to its appropriateness for this course.

Prerequisites & Notes

This course is offered every semester.

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 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 spring. There may be a course fee.

Credits: 3

MUS 4410 - Collaborative Creativity in Music

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

MUS 4710 - Special Topics in Music

This course offers topics of special interest in a variety of areas that are not treated in the regular curriculum. The course may be repeated once.

Prerequisites & Notes

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

Credits: 1 to 3

MUS 4910 - Independent Study in Music

This course offers topics of special interest in a variety of areas that are not treated in the regular curriculum. The course may be repeated once.

Prerequisites & Notes

The prerequisite is permission of instructor. The Independent study contract must be approved, signed and submitted before the current semester's registration period closes.

Credits: 1 to 3

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.

Prerequisites & Notes

This course is offered every fall.

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

This course is offered every spring.

Credits: 3

PHI 2040 - Ethics

[Choice:HU] This course considers ethical theory, moral issues, and belief formation. Using historical and contemporary moral philosophy, we explore issues and case studies arising from the workplace, medicine, the environment, animal rights, religion, the law, politics, sexuality, and friendship.

Prerequisites & Notes

The prerequisite is HUM 1030 or permission. This course is offered every odd-numbered fall.

Credits: 3

PHI 3015 - Great Ideas

This course introduces students to major themes and thinkers in the history of philosophy. Specific themes may include "Movies and the Meaning of Life," "Human Nature," "Philosophy: Body, Mind, and Soul," "Metaphysics," "The Existence of God," "Global Philosophy," "Wisdom of the Ancient World," and "How do we know?: Epistemology and Science." Philosophers discussed may include Plato, Aristotle, Augustine, Aquinas, Descartes, Locke, Kant, Hegel, Nietzsche, Peirce, James, and Sartre. 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 HUM 1030 or permission. This course is offered every fall.

Credits: 3

PHI 3070 - American Philosophy

American Philosophy explores important trends in the American spirit in the thought of major philosophers who were informed by, and helped to form that spirit. The course begins with a survey of dominant myths that have influenced the American angle of vision. The course includes readings from such figures as Franklin, Edwards, Emerson, Thoreau, James, Dewey, Royce, and Santayana.

Credits: 3

PHI 3120 - Asian Religions

This course introduces the major religious traditions of the East in their historical development, including Hinduism, Buddhism, Confucianism, and Taoism. The course investigates the central beliefs of these religions, including their contributions to Asian Cultural traditions in politics, art, architecture, and ethics.

Prerequisites & Notes

The prerequisite is sophomore standing or permission.

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 sophomore standing 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 sophomore standing or permission. This course is offered every odd-numbered fall.

Credits: 3

PHI 3160 - Environmental Ethics

This course explores what, if any, moral responsibilities humans have to the environment and to non-human animals. A variety of environmental topics are viewed from the frameworks of historical and contemporary philosophic theories and literature. These topics may include animal rights, holism, community, ecofeminism, political ecology, and sustainability.

Prerequisites & Notes

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

Credits: 3

PHI 3210 - Death and Dying (Also PSY 3210)

This course observes current attitudes toward death and dying compared to previous centuries. It includes literary and clinical accounts of what it is like to be dying, grief work and rituals for mourning, suicide, interpreting death to children, and ethical issues surrounding dying. The course concludes with some philosophical and religious perspectives on death and its meaning for present living.

Prerequisites & Notes

This course is offered every spring.

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 sophomore standing or permission.

Credits: 3

PHI 4710 - 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 prerequisites are 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 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, the double major requirement, 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

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

The prerequisites are a current Red Cross Emergency Water Safety or a Lifeguard-Training Certificate, a current Health Service Education Certificate, and 80 percent or better score on pre-test skills. 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 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 prior to the fall semester. The instruction offers competency for those students who 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

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.

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.

Credits: 3

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 fall.

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, students teach their units and conduct authentic skill assessment in an elementary setting.

Prerequisites & Notes

The prerequisite is 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. Students will develop different modes of health education presentation and evaluation; a major component of the latter will be the development of creative lesson plan/presentation formats directed at various ages in various settings.

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 1130 - Astronomy and 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 galaxies, pulsars, quasars, current cosmological theories, and the search for dark matter.

Prerequisites & Notes

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

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 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. 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 semester.

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 prerequisite is 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 3110 - Labor and American Politics

This course surveys the development and activity of American labor unions as an interest group within the fabric of American politics.

Prerequisites & Notes

This course is offered every odd-numbered fall.

Credits: 3

POS 3120 - American Politics

This course analyzes the major movements, political trends, events and personalities dominating American politics from 1900 to the contemporary era.

Prerequisites & Notes

This course is offered every even-numbered fall.

Credits: 3

POS 3140 - Government, Politics and the Press

This course explores the relationship between the press and government since the 1960's. The instruction uses a case-study approach to key issues involving news manipulation, the adversarial relationship between reporters and public figures, and the changing role of the journalist as a reporter of the American political process.

Prerequisites & Notes

The prerequisite is POS 1010 or ENG 2040 and junior standing. This course is offered every even-numbered fall.

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 oddnumbered spring.

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 3000-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

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 PSY 2090 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. It is required for the human services concentration.

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.

Prerequisites & Notes

This course is offered every fall.

Credits: 3

PSY 2040 - Social Psychology

This course investigates various theories of social psychology and how they are applied to the problems of conformity, prejudice, self-justification, aggression, communication, attraction, group process, and interpersonal interaction. The instruction addresses the role of society and culture in the development of attitudes, roles, self-concept, and behavior.

Prerequisites & Notes

Sophomore standing, or permission. This course is offered every spring.

Credits: 3

PSY 2090 - Lifespan Across Cultures

[Choice:SS] 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. This course is recommended as an alternative to PSY 1050 Human Growth and Development.

Prerequisites & Notes

This course is offered every spring.

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 semester.

Credits: 3

PSY 2260 - Mind/Body Consciousness

The instruction introduces stress and its management, transpersonal psychology, and reflections on the nature of human consciousness. The instruction presents lectures, films and demonstrations in behavioral medicine, health psychology, stress-related disorders, and dreams. The student also gains direct experience with meditation, biofeedback, progressive relaxation, self-hypnosis, and other stress-management techniques.

Prerequisites & Notes

This course is offered every fall.

Credits: 3

PSY 2270 - Introduction to Human Services

This course provides students with an opportunity to visit human service agencies to learn about the nature and purpose of a variety of agencies. Instruction emphasizes the impact of political and socio-economic systems on society in general, and on recipients of service in particular. In addition, the course is designed to help students become aware of their social responsibility to the community and society. 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 2450 - Sports Psychology

This course examines psychological theories and concepts related to sport and exercise behavior. Both the theoretical and applied aspects of the discipline of Sport Psychology are addressed. Core topics in this course include: an overview of sport psychology; understanding participants, groups and teams; sport and exercise environments; aggression in sports; performance enhancement; exercise behavior; and, health and well being.

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, a 2.00 GPA, and department approval. This course is offered every semester.

Credits: 2 to 6

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 presents an overview of the various approaches taken to understand and research the consistencies and uniqueness of human personality. Enduring themes, theoretical approaches, and current assessment methods for describing, understanding, and predicting personality are presented. Particular emphasis is placed on practical applications of personality concepts for understanding self and others.

Prerequisites & Notes

The prerequisites are PSY 1010 and sophomore standing, or permission. This course is offered every semester.

Credits: 3

PSY 3020 - Experimental Psychology

Experimental Psychology presents the study of psychology as a science and an art. This course discusses the application of qualitative and quantitative methods to research on human behavior. Topics include the philosophy of science, participant 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 PSY 2090, and sophomore 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 PSY 2090 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

Prerequisites are PSY 1010, and sophomore standing, or permission. This course is offered every semester.

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 or PSY 2090 and sophomore standing, or permission. This course of offered every fall.

Credits: 3

PSY 3210 - Perspectives on Death and Dying (also PHI 3210)

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 prerequisite is PSY 1050, PSY 2070, or PSY 2090 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, PSY 2090, or EDU 3020 and sophomore standing, or permission. This course is offered every fall.

Credits: 3

PSY 3399 - Gender Issues in Psychology

This course explores issues related to gender constructs and identities from the point of view of the Psychology. 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

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 from PSY or BIO 1210 and BIO 1211. This course is offered every spring.

Credits: 3

PSY 4020 - Psychological Testing

Tests and Measurements 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 theory and practice of a number of the creative therapies: dance/movement, art, music, poetry, and drama. The instruction discusses application of the creative therapies to the field of psychology. A practicum is required.

Prerequisites & Notes

The prerequisites are nine hours in psychology and junior standing. This course is offered every even-numbered spring.

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 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 hours in psychology and junior standing.

Credits: 3

PSY 4150 - Family Interaction: Theories and Therapy

The course introduces various theories of family interaction including the works of Satir, Jackson, Minuchin, Whitaker and others. Emphasis is on students gaining an understanding of their own family systems. Techniques for facilitating healthy family relationships as well as a variety of therapeutic approaches are examined.

Prerequisites & Notes

The prerequisites are PSY 4151 and junior or senior standing or permission. This course is offered every spring.

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 such as psychodynamic, humanistic, and cognitivebehavioral perspectives.

Prerequisites & Notes

The prerequisites are PSY 1010; and PSY 1050, PSY 2090 or PSY 1160; and PSY 3010, and junior standing. This course is offered every semester.

Credits: 3

PSY 4152 - Advanced Counseling

This course is a continuation of Counseling for individuals planning to enter the field of human services. Counseling practice is an important part of each class, and instruction focuses on skills needed to create therapeutic relationships as well as to help others explore, understand, and change behavior. The counselor's self-knowledge and introspection are emphasized. In addition, instruction will focus on special issues such as treating substance abuse or eating disorders, doing crisis intervention, and helping specialized populations.

Prerequisites & Notes

The prerequisites are PSY 4151 or permission.

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 - Counseling Children and Adolescents

This course is designed to help students understand and evaluate childhood and adolescent disturbances, explore various means of assessing children and adolescents in the context of their families and environment, and examine intervention practices, strategies and techniques for treating children and adolescents. Through an in-depth survey of childhood and adolescent disorders, students become competent in the application of the DSMIV diagnostic criteria. Students also have the opportunity to apply and critique several of the counseling techniques, such as play therapy and behavior modification.

Prerequisites & Notes

A practicum is required. The prerequisite is PSY 4151.

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 hours of psychology, 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. The course is limited to seniors fully accepted into the psychology/human services major.

Credits: 3

PSY 4820 - Human Service 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 have 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 with 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: 3 to 12

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 3020, 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

Recreation Resource and Ski Resort Management

OER 1010 - Leisure and Society

[Choice:SS] Leisure and Society presents an overview of the historical and philosophical foundations of leisure and recreation from ancient to modern times, and provides a conceptual basis for the comparison of concepts of leisure and work in contemporary society.

Prerequisites & Notes

This course is offered every fall. Recreation majors may not use OER 1010 as a GEU Social Science choice course to satisfy their Divisional Choice requirement of 3 credits in the Social Sciences.

Credits: 3

OER 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

OER 1080 - Leadership Theory and Practice

[Choice:SS] This course introduces the principles and practices of small group dynamics that involve theories of leadership, leadership models, energy, problem solving, and the effective improvement of the productivity of a small group. The instruction emphasizes organizational skills, initiative problems, and processing group conflict.

Prerequisites & Notes

Applied projects are required. This course is offered every spring. Recreation majors may not use OER 1080 as a GEU Social Science choice course to satisfy their Divisional Choice requirement of 3 credits in the Social Sciences.

Credits: 3

OER 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 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

OER 1120 - 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

OER 1132 - Outdoor Adventure Skills

This course studies more advanced outdoor adventure skills. The course includes seasonal activities such 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

OER 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

OER 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

OER 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

OER 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 prior to the fall semester. The instruction offers competency for those students who 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

OER 2010 - Leisure Service Delivery Systems

This course examines the interrelationship of commercial, ski resort, natural resource based, therapeutic and community recreation providers. In addition it analyzes public (federal, state, and local), private, and voluntary sectors of the recreation delivery system and discusses legal and policy foundations of delivery systems, budget and finance considerations of the various sectors, principles and strategies for assessing and advocating of leisure services, and techniques of assessment and evaluation. Finally the course explores professional and ethical issues in the delivery of services.

Prerequisites & Notes

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

Credits: 3

OER 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. OER 2850 is offered every fall; OER 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 each semester

OER 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

OER 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

OER 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.

Prerequisites & Notes

This course is offered each fall semester.

Credits: 3

OER 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. OER 2830 is offered every fall; OER 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 each semester

OER 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. OER 2830 is offered every fall; OER 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 each semester

OER 2841 - Field Practicum in Ski Resort Management

This course allows students who are concentrating in ski resort management an opportunity to participate in hands-on learning at approximately 10 different ski resorts participating in fall mountain operations work (OER 2841) and meeting managers and supervisors to discuss resort trends and issues, including philosophy, technology and guest service. The spring semester course (OER 2842) includes rotating to several resorts through a variety of on-hill and administrative operations, including lift and skier services, snowmaking, ski patrol, sales and marketing, rentals, and shadowing of mountain managers. The course allows students to engage in on-mountain problem solving exercises.

Prerequisites & Notes

The prerequisites are sophomore standing and permission. There is a lab fee. This course is offered every semester.

Credits: 4 each semester

OER 2842 - Field Practicum in Ski Resort Management

This course allows students who are concentrating in ski resort management an opportunity to participate in hands-on learning at approximately 10 different ski resorts participating in fall mountain operations work (OER 2841) and meeting managers and supervisors to discuss resort trends and issues, including philosophy, technology and guest service. The spring semester course (OER 2842) includes rotating to several resorts through a variety of on-hill and administrative operations, including lift and skier services, snowmaking, ski patrol, sales and marketing, rentals, and shadowing of mountain managers. The course allows students to engage in on-mountain problem solving exercises.

Prerequisites & Notes

The prerequisites are sophomore standing and permission. There is a lab fee. This course is offered every semester.

Credits: 4 each semester

OER 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. OER 2850 is offered every fall; OER 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 each semester

OER 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 OER 1080 or permission. This course is offered every fall.

Credits: 3

OER 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

OER 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

OER 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

OER 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

OER 3140 - Outdoor Expedition

This course presents an opportunity for individuals to help plan and participate in extended wilderness trips, programs and expeditions or any activity-oriented program in ski resort or outdoor education settings focusing on teaching or leading in ski resort or outdoor education settings.

Prerequisites & Notes

There is a lab fee. This course is offered every spring and may be repeated for credit.

Credits: 1 to 4

OER 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

OER 3910 - Research Design and Analysis

The 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, sampling, analysis techniques, and the drawing of logical conclusions. The laboratory sessions provide an overview of different non-parametric statistical tests and use of the statistical package for the social sciences (SPSS).

Prerequisites & Notes

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

Credits: 4

OER 4020 - Recreation Management Principles and Practices

This course examines management and administration principles and practices of recreation providers. The instruction includes such topics as human relations management, budget and fiscal management, planning, design, and maintenance of recreation facilities, and public and community relations.

Prerequisites & Notes

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

Credits: 4

OER 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

OER 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, certification, 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 (OER 4820).

Prerequisites & Notes

This course is offered every semester.

Credits: 1

OER 4730 - Senior Thesis

The Senior Thesis course requires students to identify, design, and implement an original thesis topic and 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.

Prerequisites & Notes

The prerequisites are OER 3910 and MAT 2021. This course is offered every semester. There is a lab fee.

Credits: 3

OER 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 prerequisite is OER 4720, permission and acceptance to major. This course is offered every spring and fall semester.

Credits: 9 to 15

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 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

There is a lab fee. This course is offered every semester. Prerequisite is math competency.

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 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 should be 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 4

Social Science

SSC 1030 - Exploring the Social Sciences

This course examines the complex nature of human social processes associated with family and community life. The course is based on a collaborative approach to teaching and learning and employs the methods and perspectives of the different disciplines in the social sciences. It explores different ways in which individual and family relationships are organized and structured; aspects of social stratification within communities, and the global impact of political, economic, and cultural factors on the family and community life.

Prerequisites & Notes

This course is offered every semester.

Credits: 3

SSC 2020 - Experience Russia

This course explores the history and culture of Russia. It involves student travel to Russia for one week under the supervision of a member of the faculty. The experience will include interaction with the Russian people and culture, and visits to historical sites and cultural events in and around Moscow and St. Petersburg. Students will be expected to attend meetings prior to leaving.

Prerequisites & Notes

The prerequisite is Sophomore standing or permission. This course is offered every year.

Credits: 1

SSC 2040 - Experience Brazil

This course explores the history and culture of Brazil. It involves student travel to Brazil for one week under the supervision of a member of the faculty. The experience will include interaction with the Brazilian people and culture, and visits to historical sites and cultural events. Students will be expected to attend meetings prior to leaving.

Prerequisites & Notes

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

Credits: 1

SSC 2050 - Experience China

This course explores the history and culture of China. It involves student travel to China for one week under the supervision of a member of the faculty. The experience will include interaction with the Chinese people and culture and visits to historical sites and cultural events. Students will be expected to attend meetings prior to leaving.

Prerequisites & Notes

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

Credits: 1

SSC 2060 - Experience Cuba

This course explores that history and culture of Cuba. In involves student travel to Cuba for one week under the supervision of a member of the faculty. The experience will include interaction with the Cuban people and culture and visits to historical sites and cultural events. Students will be expected to attend meetings prior to leaving.

Prerequisites & Notes

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

Credits: 1

SSC 2070 - Experience Italy and Greece

This course explores that history and culture of Italy and Greece. In involves student travel to Italy and Greece for one week under the supervision of a member of the faculty. The experience will include interaction with the Italian and Greek people and cultures and visits to historical sites and cultural events. Students will be expected to attend meetings prior to leaving.

Prerequisites & Notes

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

Credits: 1

SSC 2110 - Globalization and Development

This course is designed to examine the variability of human needs in developing nations. Students will explore the socioeconomic, ideological, and cultural backgrounds of several underdeveloped nations — sub-Saharan Africa, Southeast Asia, and South America—in order to identify the factors contributing to human suffering. The course is taught from an applied anthropological perspective.

Prerequisites & Notes

Prerequisite is sophomore standing or permission. This course is offered every odd-numbered fall.

Credits: 3

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. This course is cross-listed with OER 3910.

Prerequisites & Notes

The prerequisite is Junior standing. This course is offered every 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: 3

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

This course allows students to identify, design, and implement an original thesis topic and 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. This course is cross-listed with OER 4730.

Prerequisites & Notes

Prerequisite is SSC 3020/OER 3910. 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 spring.

Credits: 3

SOC 1030 - Social Problems

[Choice:SS] This course explores national and global social problems such as world population growth, threats to the environment, urban crises, racial, ethnic and gender inequalities, health care, and economic inequalities.

Prerequisites & Notes

This course is offered every fall.

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 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 semester.

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.

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

Television Studies

TVS 1010 - Introduction to Media Communication

[Choice:SS] This course provides a broad-based introduction to the field of mass 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

TVS 1020 - Basic Theory and Operation of TV Equipment

This introductory course covers basic theory and operation of television 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. 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

TVS 2110 - Voice Production

Voice Production is designed for television studies and meteorology majors. It includes speaking voice study in breathing, relaxation, articulation, dialect reduction, and resonance. Students are required to meet in extensive individual study and evaluation sessions with the instructor, and participate in audio lab experiences.

Prerequisites & Notes

The prerequisites are sophomore standing, and writing competency at the level of ENG 1051 is expected. There is a lab fee. This course is offered every semester.

Credits: 3

TVS 2120 - Television Studio Production

This course covers studio production basics involving pre-production, production, and post-production operations. Students are introduced to scripting and the creation of story-boards, live production, studio lighting, and editing.

Prerequisites & Notes

The prerequisite is TVS 1010, and writing competency at the level of ENG 1051 is expected. There is a lab fee. This course is offered every semester.

Credits: 3

TVS 2130 - Introduction to Broadcast Journalism

This course introduces the skills of gathering and writing news for radio and television. The instruction explores such topics as the interviewing process, use of sound, and other basic news reporting and producing techniques.

Prerequisites & Notes

This course is open to majors only or those with permission. The prerequisites are ENG 1052, TVS 1010 and TVS 1020 (TVS 2120 is strongly recommended). There is a lab fee. This course is offered every semester.

Credits: 3

TVS 2140 - Electronic Field Production and Editing

This course provides an in-depth examination of the skills utilized in electronic field production and editing. The instruction includes such topics as visual storytelling, advanced exposure control, field lighting techniques, composition, and design. The instruction explores documentary and industrial illustration and advanced editing is examined extensively.

Prerequisites & Notes

The prerequisite is TVS 1010, and TVS 1020 There is a lab fee. This course is offered every semester.

Credits: 3

TVS 2221 - Television Performance I

This course emphasizes the study, discipline and integration of basic on-camera presentation of weather or news (determined by the student's academic background). Television Performance I covers the mechanics of aesthetics of vocal and physical expression. Students are required to meet in extensive individual study and evaluation sessions with the instructor, and participate in video lab experiences.

Prerequisites & Notes

The prerequisites are sophomore standing and permission, for meteorology majors MET 2110, and for all students TVS 2110. Writing competency at the level of ENG 1051 is expected. There is a lab fee. This course is offered every semester.

Credits: 3

TVS 2810 - LSC-TV Sophomore Editorial Practicum

This course provides an introductory practicum in LSCTV for students in the broadcast news and broadcast design and production concentrations. The course concludes with a practical and written competency test. Students work "part-time" for Newscenter Seven as writers, assignment editors or producers. Approximately 12 to 15 hours per week are required.

Prerequisites & Notes

The prerequisites are TVS 2130, TVS 2221, and TVS 2120. There is a lab fee. This course is offered every semester.

Credits: 3

TVS 2820 - LSCTV Sophomore Design and Broadcast Production Practicum

This course provides an introductory technical practicum in LSCTV for students in the Broadcast Design and Production concentration. Students work for News 7 as camera, audio, and character-generator operators. Approximately 12 to 15 hours per week are required.

Prerequisites & Notes

The prerequisites are TVS 2120 and TVS 2130. There is a lab fee. This course is offered every semester.

Credits: 3

TVS 2830 - Co-op in Television Studies

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 TVS must receive departmental approval of the co-op placement and plan.

Prerequisites & Notes

The prerequisites are that all students must have completed 30 credits and must have achieved a 3.0 GPA in a specific TVS concentration. Prerequisites for concentrations in broadcast news are TVS 2110, TVS 2130 and TVS 2810; for concentrations in broadcast

Credits: 1 to 6

TVS 3010 - Television Post Production

This course emphasizes advanced AVID post-production editing. Students expand upon skills acquired in Television Studio Production, and Electronic Field Production and Editing to produce materials to be used for non-linear post-production. The instruction covers such areas as script, story-board, and producer/ client relationship development. Upon completion of the course, students will have produced a comprehensive video portfolio demonstrating skills necessary for entry-level employment in the television industry.

Prerequisites & Notes

The prerequisites are TVS 2120 and TVS 2140. There is a lab fee. This course is offered every fall.

Credits: 3

TVS 3030 - Law and Regulation in Broadcasting

This course offers the study and discussion of ethical decision making and regulatory issues in broadcast practice. The course incorporates case study, directed reading, discussion, and debate of real and hypothetical situations presented on audio and video tape.

Prerequisites & Notes

The prerequisite is TVS 2130 or permission. There is a lab fee. This course is offered every fall semester.

Credits: 3

TVS 3150 - News Editing for Reporters and Producers

This course is designed for students enrolled in the Broadcast News Concentration. The students will explore broadcast-news editing styles and techniques while using AVID NewsCutter editing software. Students navigate through sample and self-generated material to produce a DVD portfolio of their work.

Prerequisites & Notes

The prerequisites are TVS 2130, TVS 2140, and TVS 2810. There is a lab fee. This course is offered every spring.

Credits: 1.5

TVS 3222 - Television Performance II

This course provides advanced study in on-camera presentation. The instruction expands the individual student's abilities and level of advancement in vocal and physical expression by developing his or her particular personal style through the performance of a variety of scripts, including weather, news, voice-overs, public service announcements, and commercials. Students are re-quired to meet in extensive individual study and evaluation sessions with the instructor, and participate in video and audio lab experiences.

Prerequisites & Notes

The prerequisites are TVS 2110 and TVS 2221. The course may be repeated twice. There is a lab fee. This course is offered every semester.

Credits: 3

TVS 3811 - LSCTV Junior Broadcast Editorial Practicum

This course continues the sophomore editorial practicum in LSCTV for students in the broadcast news concentration. Students work "part-time" for Newscenter Seven as writers, assignment editors or producers. Approximately 12 to 15 hours per week is required.

Prerequisites & Notes

The prerequisite is TVS 2810. There is a lab Fee. This course is offered every semester.

Credits: 3

TVS 3812 - LSCTV Junior Broadcast Design and Production Practicum

This course continues the sophomore technical practicum (TVS 2820) in LSCTV for students in the Broadcast Design and Production concentration. Students work to increase skills and knowledge of advanced broadcast operations such as graphics manipulation and technical direction. Approximately 12 to 15 hours per week are required.

Prerequisites & Notes

The prerequisites are TVS 2140 and TVS 2820. There is a lab fee. This course is offered every semester.

Credits: 3

TVS 3820 - Co-op in Television Studies

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 TVS must receive departmental approval of the co-op placement and plan. All students must have completed 45-90 credits and must have achieved a 3.0 GPA in a specific TVS concentration.

Prerequisites & Notes

The prerequisites for concentration in broadcast news are TVS 3040 and TVS 3811; for concentration in broadcast production, TVS 3010 and TVS 3812.

Credits: 1 to 6

TVS 4010 - Directing for Television

This course features the study of television directing and techniques for the fictional genre. Students explore production values and apply directing skills and techniques for the video medium by directing short scenes for television.

Prerequisites & Notes

The prerequisites are THA 2080, TVS 2120, TVS 2140, and TVS 3010 or permission. There is a lab fee. This course is offered every spring.

Credits: 3

TVS 4020 - Ethics and Issues in Broadcast News

The instruction explores the role of broadcast journalism in current national and international affairs. It examines the role of conflict and the influence economics, technology and other industry elements have on the gate-keeping process.

Prerequisites & Notes

The prerequisites are TVS 2130 and TVS 2810 or permission. This course is offered every third semester.

Credits: 3

TVS 4030 - LSC-TV News Broadcast Performance

This practicum is designed for TVS and Broadcast MET students assigned to LSC-TV News 7. It offers experience in the preparation of and performance in live broadcasts as well as ENG field performance opportunities. TVS and MET students need to be concurrently taking TVS 4810.

Prerequisites & Notes

Pre-requisite for TVS majors is TVS 3222. For MET majors co-requisites are MET 3331, MET 4010 and previous completion of or concurrent TVS 3222. MET students will have a minimum number of hours onsite to be established. On-camera wardrobe and appearance i

Credits: 3

TVS 4040 - Advanced Post-Production

This course further develops students' skills in commercial video-production editing. Students utilize a wide variety of software from AVID and Adobe products to produce material for promotional and commercial purposes. Students compile a DVD portfolio for review at the end of the course.

Prerequisites & Notes

The prerequisites are TVS 2140, TVS 3010, and TVS 3812. There is a lab fee. This course is offered every spring.

Credits: 3

TVS 4710 - Special Topics in Telecommunications Studies

This course offers topics of special interest in a variety of areas of telecommunications studies which are not extensively treated in regularly 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

TVS 4720 - Senior Seminar

This seminar provides advanced small group learning and exploration in an area of the LSC communication 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 are Senior standing or instructor permission. The course may be repeated once and it may include a lab fee.

Credits: 1 to 3

TVS 4810 - LSCTV Broadcast Editorial Practicum

This practicum is for all LSCTV interns assigned as NewsCenter Seven reporters, anchors, or producers. A minimum of 35 hours per week of on-site work at the LSCTV facility is required. This practicum may be repeated once. The course requires a prescribed wardrobe.

Prerequisites & Notes

The prerequisites are TVS 3040, TVS 3222, TVS 3811 and permission of all instructors. There is a lab fee.

Credits: 6 to 9

TVS 4820 - LSCTV Broadcast Design and Production Practicum

This practicum is for all LSCTV interns assigned as photographers/ editors. A minimum of 35 hours per week of on-site work at the LSCTV broadcast facility is required. Field production appearance is prescribed by the instructor. TVS 3812 is strongly recommended as preparation for this practicum. This course may be repeated once.

Prerequisites & Notes

The prerequisites are TVS 2140, TVS 2820 and TVS 3010, and permission of LSCTV's TVS faculty and the telecommunications staff. There is a lab fee. This course is offered every semester.

Credits: 6 to 9

TVS 4830 - I-Team Special Projects

This course applies investigative-reporting techniques to the converged (online) newsroom environment. Students produce in-depth, broadcast-quality reports with companion web-content through beat reporting, document research, and publicmeetings coverage.

Prerequisites & Notes

The prerequisites are TVS 3222, TVS 4810 or by permission. The course may not be taken concurrently with TVS 4810. There is a lab fee. This course is offered every fall.

Credits: 3

TVS 4840 - Co-op in Television Studies

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 TVS must receive departmental approval of the co-op placement and plan.

Prerequisites & Notes

Television studies students applying for co-op placement must meet the following prerequisites: for concentrations in broadcast news: TVS 2130, TVS 2140, TVS 2810, TVS 3040, TVS 3811; for concentrations in broadcast design and production: TVS 2130, TVS 21

Credits: 1 to 12

TVS 4850 - Video Photojournalism

In this course students explore and practice the art of video photojournalism. Videographers develop visual storytelling techniques in the style and tradition of the National Press Photographers Association.

Prerequisites & Notes

The prerequisites are TVS 3010 and TVS 4820. There is a lab fee. This course is offered every spring.

Credits: 3

TVS 4900 - Special Studies in Television Studies

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 semester.

Credits: 3

Theater**THA 1050 - How Theatre Happens**

[Choice:AR] This course introduces basic principles, concepts and aesthetics of scenic design, lighting, stagecraft, costumes, and sound. These production elements are studied as a means of creating dramatic environment, mood, style, and thematic statement.

Prerequisites & Notes

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

Credits: 3

THA 2055 - Film Analysis and Appreciation

[Choice:AR] This course is an introduction to the understanding of film genres. Foreign film, classic silent film, epic film, film noir, comedy, melodrama and suspense will be used to explore this art form.

Prerequisites & Notes

The prerequisite is ENG 1051. There is a lab 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 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 - Theater Performance

Principles of acting and stage management are learned through problem solving and execution of demands resulting from the semester's production. Students must be available for successful participation in a main stage theater arts production. Casting in the production is not guaranteed as a result of enrollment. Roles and positions will be available for earned credit and assignments are solely determined by the instructor. From 1 to 3 credits may be earned as a result of participation in the performance. May be repeated for credit.

Prerequisites & Notes

No prerequisites, but freshmen enroll at the discretion of their advisors. The course is offered every semester. there may be a course fee.

Credits: 3

THA 2845 - Theater Production

Principles of scenic design and technical theater are learned through problem solving and execution of demands resulting from the semester's production. Students must be available for successful participation in a main stage theater arts production. From 1 to 3 credits may be earned as a result of participation in the performance with exact assignments made by the director. May be repeated for credit.

Prerequisites & Notes

No prerequisites, but freshmen enroll at the discretion of their advisors. The course is offered every semester. There may be a course fee.

Credits: 3

THA 3042 - Theatre Arts and Dramaturgy

This course continues Theatre Arts I by employing dramaturgy skills in writing and interpretation. This course focuses on contemporary dramatic material from theatre, film and video and includes study of how material from one medium may be interpreted and used as subject matter for another. Interviews and video profiles of contemporary playwrights, directors and actors are incorporated in the instruction. Acting and writing assignments provide a means toward development of a script for potential production in succeeding courses.

Prerequisites & Notes

The prerequisites are THA 2080 Theatre Arts I. There may be a course fee.

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 How Theatre Happens and THA 2080 Theatre Arts I, There is a lab fee. This course is offered every odd-numbered spring.

Credits: 3

THA 4710 - Special Topics in Theatre

This course offers topics of special interest in a variety of areas that are not treated in the regular curriculum. The course may be repeated once.

Prerequisites & Notes

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

Credits: 3

THA 4750 - Collaborative Creativity in Theatre

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

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

Faculty and Staff

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

- [The Faculty](#)
- [Part-time Faculty](#)
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The Faculty

[^ TOP](#)

ATKINS, NOLAN T. (1997) Associate Professor of Meteorology, 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) Associate Professor of Sociology and Anthropology, B.A. Utah State University; M.A. Portland State University ; Ph.D. University of Utah

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BOYE, ALAN P. (1987) Professor of English, B.S. University of Nebraska ; M.A. University of Texas

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

BRADLEY, DAVID B. (1981) Professor of Business Administration, B.A. Brown University ; M.B.A. Plymouth State University ; C.M.A., C.F.P., C.I.A., C.G.F.M.

McGOWAN, DORIAN (1959) Professor of Fine and Performing Arts, B.S. Pratt Institute; M.S. Columbia University

MELLOR, DAVID (1982) Professor of Mathematics, B.S. LeMoyne College ; M.S. SUNY at Oswego ; M.S. University of Lowell

METZKE, LINDA K. (1988) Professor, Special Education, B.S. University of Wisconsin; M.S. University of Wisconsin; Ph.D. Marquette University

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- BROADWATER, ERNEST H. (1974) Professor of Education, B.S. Keene State College; M.Ed. Temple University ; Ph.D. Ohio State University
- CARPENTER, JOSHUA G. (2002) Assistant Professor of Psychology, B.A. Oberlin College; M.S. Audubon Expedition Institute/Lesley College; M.A. Johnson State College; Ph.D. University of Idaho
- COFFIN, DEBORAH G. (2001) Associate Professor of Allied Health Sciences and Physical Education, B.S. University of Maine; M.Ed. University of Maine ; Ed.D. University of Massachusetts
- CONANT, DAVID S. (1976) Professor of Science (Botany), B.S. University of New Hampshire ; Ph.D. Harvard University
- DAVIS, MARILYNN, Assistant Professor of Education, B.A., M.Ed. and Ed.D., University of Vermont .
- DELEO, CATHERINE (1977) Professor of Recreation Resource and Ski Area Management, B.S. Northeastern University; M.S. Northeastern University; Ed.D. Boston University
- DELEO, JOHN (1976) Professor of Recreation Resource and Ski Area 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
- FINGERHUT, WILLIAM A. (1981) Professor of Meteorology, B.A. California State University-San Jose; M.S. California State-San Jose; Ph.D. Colorado 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
- GLENTZ BRUSH, KELLY A. (2002) Assistant Professor of Digital & Graphic Arts, B.F.A. Kansas City Art Institute; M.F.A. University of Kansas
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- HERTZ, BARRY (1980) Professor of Education, B.A. Bryant College ; Ed.M. Temple University ; Ed.D. Temple University
- University of Arkansas ; M.L.I.S. University of South Florida
- NORRIS, ELIZABETH E. (2002) Assistant Professor of Fine & Performing Arts, B.M. Illinois State University; M.M. Indiana University; D.M.A. University of Kansas
- PARISI, PHILIP J. (2004) Instructor, Interactive Digital Media, B.F.A. School of Visual Arts; M.F.A, Hunter College; A.S., Champlain College.
- POBER, DAVID (2005) Assistant Professor of Exercise Science, M.S. University of Massachusetts , Amherst
- RAZZANO, ELAINE (1995) Associate Professor of English, B.A. Georgian Court College; M.A. Seton Hall University; M.Ed. Plymouth State University ; Ph.D. Suny Buffalo
- ROSSI, RONALD R. (1976) Professor of Psychology, B.A. Drew University ; M.A. University of Cincinnati ; Ph.D. University of Cincinnati
- ROSSITER, T. KELLY (2005) Instructor, Recreation Resource & Ski Resort Management, B.A. College of William & Mary; M.S. University of New Hampshire
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- SGHERZA, ANTHONY (2004), Associate Professor of Exercise Science, Kean College of NJ, B.A.; University of Pittsburgh, B.S.; Long Island University M.S.; New York University, Ph.D.
- SHAFER, JASON (2005) Assistant Professor of Meteorology, B.S., Plymouth State College; M.S. University of Utah
- SHERRER, MARGARET (2005) Assistant Professor of Psychology, B.A., University of Rhode Island ; M.S.W., Rhode Island College
- SHINE, PATRICIA (2003) Assistant Professor of Human Services, M.S.W. Simmons School of Social Work; B.A. Adelphi University
- SIEGEL, RACHEL S., CFA, (1990) Professor of Business Administration, B.A. Yale University; M.B.A. Yale University

HILTON, MARK (1999), Associate Professor of Business Administration, B.S. Lyndon State College; M.B.A. Plymouth State University

JOHNSTON, DAVID (2005), Assistant Professor of English/Philosophy, B.A. Denison University; M.A., Ph.D. State University of New York at Stony Brook

KOROL, RHONDA (1995) Associate Professor of Psychology, B.A. Dartmouth College; B.S. University of Minnesota; M.A. University of Cincinnati; Ph.D. University of Cincinnati

LATHROP, ALISON S. (1999) Associate Professor of Geology, B.Sc. Bates College; Ph. D. Dartmouth College

LEWIS, TIMOTHY R. (1999), Assistant Professor of Television Studies, B.A., University of Vermont ; M.A., Union Institute & University/Vermont College.

LUNA, ANDREA (1997) Associate Professor of English/Coordinator of Composition, B.S. University of Vermont; M.A. University of New Hampshire; Ph.D. University of New Hampshire .

McCOY, DAISY (1991) Professor of Mathematical Science, B.A. Douglass College of Rutgers University ; M.S. Virginia Tech; Ph.D. Virginia Tech

STROKANOV, ALEXANDRE A. (2000) Professor of History, B.A. Perm State University (Russia), M.A. Perm State University, Ph.D. Perm State University

STURM, TIMOTHY M. (1982) Professor, Special Education, B.A. Beloit College; M.S. University of Wisconsin; Ph.D. University of North Carolina

THEORET, JULIE M. (2000) Associate Professor of Mathematics B.S. University of Vermont, M.S. University of Virginia, Ph.D. University of Virginia

TUCKER, BARCLAY(2001) Assistant Professor of Digital & Graphic Arts, B.F.A. University of Utah ; M.A. Syracuse University

WERDENSCHLAG, LORI (1992) Professor of Psychology, B.A., Emory University ; M.S., Ph.D., Tulane University

WHEELER, ELIZABETH, Instructor of Television Studies, B.A., Lyndon State College

WILLIAMS, DAN (2006) Assistant Professor of English/Journalism, B.A. Kansas State University; M.A. Ohio State University

YERSEL, METIN (1982) Professor of Science (Physics), B.S. Bogazici University; Ph.D. Clark University

ZWICK, RODNEY R. (1986) Professor of Recreation Resource and Ski Area Management, B.S., Michigan State University; M.S., Michigan State University; Ph.D. Arizona State University

* on sabbatical Fall 2006 and Spring 2007

Part-time Faculty

[^ TOP](#)

ADAMS, KIMBERLY, GEU/Natural Sciences, B.S., UVM; M.S.T., Lyndon State College

ANGELL, RICHARD, Allied Health Sciences, M.A. University of Northern Colorado ; B.S. University of Maine Orono

BAILIN, DEBRA, English, B.A. Cedar Crest College ; M.F.A. Washington University

BALLOU, DARLENE, Television Studies, B.S. Lyndon State College

McCANN, ROBERT, Digital and Graphic Arts, Fine & Performing Arts (Photography)

MACDOWELL, LISA, English, B.A. Albion College ; M.A., Ph.D. Rutgers University

McGOWAN, MARTIN, Fine & Performing Arts, Certificate Program, Pennsylvania Academy of Fine Art

MELLOR, MARGARET, Mathematics, B.A., Ohio State University

BERTOLINI, MARK, Business Administration/Law, B.A. Middlebury; J. D. Univ. of Puget Sound Law School

BIATHROW, KENNETH, Business Administration/Accounting, C.P.A Accounting, B.B.A. Hofstra University

BIDDLE, WILLIAM, English, B.A., Amherst College , M.A., Boston University

BLANCHARD, IRENE, Psychology, B.S. Pratt Institute; M.Ed. Boston University ; M Phil.,Ph.D., Syracuse University

CHARLES, JEAN, Fine and Performing Arts

COTTE, WILLIAM, Music

CUTTING, BONNIE, Business Administration, B.S., Rivier College

DOLAN, DONNA, Psychology, B.A., Lyndon State College; M.S., Springfield College

DOUCETTE, SARAH, Allied Health Sciences

DWYER, PAULINE, Natural Sciences, M.S.T, Lyndon State College

ELMES, MARTHA, Fine and Performing Arts/GEU, M.Ed., Lesley University

GELBER, IRWIN, GEU, M.S., B.S. Julliard School of Music

GRACIE, SHAUN, Fine and Performing Arts, B.A. University of Vermont

GREENSTEIN, SUSAN, English, GEU, BA., Wellesley College ; M.A., Ph.D. Indiana University

HACKETT, JEAN, Mathematics, B.A. University of Vermont ; M.S. University of Notre Dame

HALE, DEBRA, GEU, B.A, Johnson State College, M.Ed., Lyndon State College

HANNA, CHARLOTTE, Business Administration, B.A. Bennington College; M.A., Ph.D., Stanford University

HASKINS, KAREN, English, M.A. St. Bonaventure University ; B.A. Nazareth College

HAZARD, MARY, Business Administration, M.Ed., Lyndon State College

MILLER, KAREN, Natural Sciences, B.S. University of Vermont ; M.S., University of Vermont .

MILLER, MICHAEL, Natural Sciences, B.S., University of Vermont

MITCHELL, HEATHER, English, B.A. Lyndon State College; M.A. Bread Loaf School of English, Middlebury College

MOORE, J. ALAN, GEU/Philosophy, B.A. University of California at Davis; M.A. University of Idaho; Ph.D. Tulane University

PAULSON, AUSTIN , Recreation Resource and Ski Resort Management, B.A. Slippery Rock University ; B.A., M.A. Lesley College

PORTNER, TERRY, Television Studies, B.S. St. Cloud State College

PRATT, ZACHARY, Recreation Resource & Ski Resort Management/Business Administration, A.A., B.S., College of St. Joseph; M.A. Central Michigan University ; Ph.D., Michigan State University

PULASKI, MURRAY (Jack), English, B.A., M.A. Goddard College

RICHARDSON, SHIRLEY, Education, B.S. Eastern Kentucky University; M.Ed. University of Utah

RILEY, EILEEN, English, M.Ed., Trinity College of Vermont

ROCHE, MARIA, Spanish, M.F.A., Escuela de Bellas Artes

ROSENBERG, JUNE, Psychology, B.A. St. Johns's University; M.A. Queens College

SANDERS, SUSAN, English, B.A. Johnson State College; M.A. Northern Arizona University

SEVIGNY, LEO, GEU, B.A., Johnson State College; M.S., Syracuse University

STONEBRAKER, EDWARD, Natural Sciences, B.A. Tufts University; D.C. New York Chiropractic College

SWEET, DENNIS, GEU, B.S. University of Vermont; M.Ed. Lyndon State College

THABIT, ALIA, English, B.A. Lyndon State College

HENAULT, ARMAND, Psychology, B.A. Beacon College ; M.Ed. Harvard University

HENRY, SUSAN, Allied Health Sciences, B.S. Lyndon State College

KASCENSKA, JOHN R (1992) Recreation Resource and Ski Resort Management, B.S. Lyndon State College; M.S. Virginia Polytechnic Institute & State University; Ph.D. North Carolina State University

KELLAR, KRISTINE, Allied Health Sciences

LeMOINE, DONNA, Mathematics and Computer Science, B.S., State University of New York at Stony Brook; M.S., Dowling University; Ph.D., St. Johns University

LEVITT, ELLEN, Art, Digital and Graphic Arts

McCANN, ROBERT, Digital and Graphic Arts, Fine & Performing Arts (Photography)

URBAN, JACOB, Recreation Resource & Ski Resort Management, B.S. Lyndon State College; A.S. Art Institute of Fort Lauderdale

WACHOLDER, LINDA, Psychology, B.A., Simmons College ; M.Ed., University of Oregon

WALKER, JOHN, Fine and Performing Arts, B.F.A. Roger Williams University; M.F.A. American Conservatory Theater

WHEELER, DONNA, GEU, B.S., Lyndon State College

WILLIAMS, NORRINE, Psychology, B.A. Bates College ; M.S.W. University of Connecticut

WILLIAMS, C. RICHARD, Allied Health Sciences, B.S., Keene State University , M.Ed., Lyndon State College

YERKES, DOREEN, Mathematics, B.S. Lyndon State College

Professor Emeriti

[^ TOP](#)

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) Psychology, B.S. Pratt Institute; M.Ed. Boston University ; M Phil.,Ph.D., Syracuse University

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, SUSAN (1938-1977) B.S. Colorado University ; A.M. Columbia University ; C.A.G.S. University of Maine ; 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

NEWELL, GRAHAM S. (1959-1979) A.B. University of Chicago ; A.M. University of Chicago ; Professor of History

REEVES, CAROLYN (1982-2003), B.S. Southern Connecticut State College ; MSW, University of Connecticut , School of Social Work

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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Terry K. Dwyer	Custodian
Donna L. Edwards	Circulation Supervisor, Library
Gaylon R. Ely	Custodian
Mary A. Etter	Learning Specialist
Charles M. Forrest	Public Safety Officer
Sheila B. Fors	Admissions Secretary
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Sandra L. Franz	Assistant to Dean of Administration
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Susan C. Gallagher	Coordinator of Public Information
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Peter A. Guilfoyle	Head Athletic Trainer/Assistant Athletic Director
Debra A. Hale	Registrar
Tim L. Hale	Custodian
Bernard F. Hartshorn	Associate Director of Admissions
Marie M. Heath	Alumni Records Specialist
Janis L. Henderson	Custodian
Susan P. Henry	Director of Intramurals/SHAPE Manager
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Jon P. Lasseigne	Mechanical Systems Tech
Linda P. Leach	Academic Secretary
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Mark J. Majors	Instructional Technology Technician
Vincent U. Maloney	Admissions Counselor
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Daniel R. Martin	Maintenance Tech

Vicki L. Martin	Custodian
William D. Martin	Maintenance Tech
Robert G. McCabe	Director of Student Support Services
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Erin S. Miner	RHD/Student Life Assistant
Mark H. Mohrmann	Video Broadcast Technician
Lynda L. Morgan	Staff Assistant, Institutional Advancement
Monique C. Morris	Library Specialist/Acquisitions/Periodicals
Gloria J. Moyse	Custodian
Kate R. Murphy	RHD/Student Life Assistant
Paul J. Nadeau	Public Safety Officer
Geraldine N. Nelson	Custodian
Diane B. Nijensohn	Tutor Coordinator
Arthur W. Peake	Maintenance Supervisor
Richard E. Perron	Maintenance Tech
Annette M. Roberts	Fiscal Specialist
John D. Rowe	Admissions Counselor
Angela Ryan-Williams	Special Services Counselor
Anthony P. Santacaterina	Senior Desktop Support
Karen E. Santorello	Records Specialist Registrars Office
Leo R. Sevigny	Associate Dean for Student Affairs
Christine L. Seymour	Custodian
Tracy W. Sherbrook	Staff Assistant to Dean of Academic and Student Affairs
Takuya Shimamura	Webmaster
Edward W. Simpson	Information Technology Technician
Charles I. Sjolander	Mechanical Systems Tech

Brenda A. Sweet	Academic Secretary
Harry J. Swett	Mailroom Supervisor
Tamara B. Thomas	Admissions Counselor
Janet M. Thorn	Coordinator of Library Access Services
Myrtie M. Townsend	Academic Secretary
Mark H. Tucker	Meteorology Data Systems Administrator
Elaine L. Turner	Administrative Assistant for Student Affairs
Timothy R. Ulrich	Assistant Director of Upward Bound
Christopher T. Ummer	Director of Athletics
Theresa M. VanZile	Assistant Director of Financial Aid
Linda A. Wacholder	Director of Career Services
Patricia M. Webster	Cataloger
Donna E. Wheeler	Director of Conferences & Guest Relations
C. Richard Williams	Director of Upward Bound
David H. Wood	Custodial Supervisor
Sherri H. Wood	Records Specialist Registrars Office
Mary K. Yackley	Staff Assistant, ECVLC
Aaron E. Young	Telecommunications Technician

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- * Ms. Rita L. Bole (1927-1955)
- * Ms. Florence E. Drew (1935-1936, Acting)
- * Mr. Arthur B. Elliott (1955-1959)
- Ms. Susan C. Gallagher (1958-1959, Acting)
- * Dr. Robert E. Long (1959-1970)
- * Dr. A. John Holden, Jr. (1970-1971, Acting)
- * Dr. H. Franklin Irwin, Jr. (1971-1975)
- Dr. Edward I. Stevens (1975-1977)
- Dr. Janet G. Murphy (1977-1983)
- Dr. Clive C. Veri (1983-1989)
- Dr. Margaret R. Williams (1989-1997)
- Dr. Robert A. Burnham (1997-1998, Interim)

*Deceased

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Academic Calendar

Academic Calendar 2006-2007

Tuesday September 5, 2006

First Day of Classes

Friday September 8, 2006	Homecoming (9/8 - 9/10)
Friday September 22, 2006	Major Activities
Friday September 29, 2006	Family Weekend (9/29 - 10/1)
Friday, October 6, 2006	Fall Break - No Classes
Monday, November 20, 2006	Thanksgiving Break (11/20 - 11/24)
Friday, December 15, 2006	Last Day of Classes
Monday, December 18, 2006	Final Examinations (12/18 - 12/21)
Tuesday, January 16, 2007	First Day of Classes
Monday, February 26, 2007	Winter Break (2/26 - 3/2)
Monday, April 2, 2007	Spring Break (4/2 - 4/6)
Friday, May 4, 2007	Last Day of Classes
Monday, May 7, 2007	Final Examinations (5/7 - 5/10)
Sunday, May 13, 2007	Commencement

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 in Fall 2006 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.

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.