Live Your Passion

America’s Environmental College
Contents

This catalog contains information that is not readily available on our college website.

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Unity College is accredited by the New England Association of Schools and Colleges, Inc.
Philosophy Statement

We at Unity College recognize that we are custodians of a fragile planet. Our education is a unique combination of the traditional liberal arts and an emphasis on natural resource management, intended to prepare graduates for responsible stewardship of the earth. Such an education must be an empowering process: in-depth study prepares graduates to address specific environmental issues, while a broad liberal arts base enables them to anticipate and deal creatively with issues yet unimagined. A liberal arts education with an environmental focus must go beyond the limits of the classroom walls; thus, Unity College combines academic rigor with equally demanding field experience.

We are citizens of the world. To prepare for that role, the foundation of a Unity College education is its liberal arts core: all degree programs require that approximately one-third of their courses be chosen from this core. The fine arts, the history of events and ideas, a background in ethics, an exposure to other cultures, an understanding of what makes us human — as well as the ability to think critically and creatively — are tools to open our minds and enhance the quality of our lives.

On this broad liberal arts base, Unity College students build specialization in their chosen fields. This may begin as early as the entering year, when students are introduced to subjects in their major area of study. Experiential learning is an important component of the educational process; field work requires students to take theoretical knowledge from classroom settings and find practical applications in the ecology of Maine. This integration of academic preparation and hands-on experience not only ensures that graduates have mastery in their area of expertise, but enables them to apply local concepts to a broader arena.

Basic to Unity College's philosophy is its continuing commitment to students' success. This commitment is manifested in a variety of ways, one being the close personal relationship between faculty and students, facilitated by small classes, close advising, and easy access to instructors. Unity College will not outgrow its reputation for care and concern. Another example of the College's commitment to success is its innovative Learning Resource Center, which offers support not only to the learning disabled, but to all students. Individual attention is available from both professional staff and peer tutors. Additionally, ongoing career counseling, innovative curricula that address students' needs, and cooperative education programs that provide on-the-job experience—all facilitate entry into the world of work. Unity College supports its students from orientation through graduation and beyond.

We at Unity College intend to graduate individuals with firm values, a sense of purpose, and an appreciation of the web of life. They are professionally effective and environmentally responsive, recognizing their responsibilities as passengers on this fragile planet. They understand that as global citizens, they must assume a leadership role in the stewardship of the earth.
Student Affairs

The Student Affairs Office provides programs and services in the areas of residential life, social and cultural activities, dining services, health and wellness, intercollegiate athletics, and recreational sports designed to help students achieve maturity in self-image, in relationships with others, and in their ability to deal with life’s challenges. Below is a brief outline of the Student Affairs services at Unity College for more detailed information please refer to the Student Handbook.

Residence Life
The Office of Residence Life offers students the opportunity to be on campus in a dynamic, challenging and educational environment. While in residence, students have the convenience of easy access to the library, classrooms, recreational facilities, leadership opportunities and educational programs that take place in the residences. Social activity, both planned and spontaneous, frequently begins in the halls. Some students believe that their strongest interpersonal relationships are initiated in the halls.

Athletics
Unity College is a member of the United States Collegiate Athletic Association (USCAA), and the Yankee Small College Conference (YSCC). Unity College offers seven intercollegiate sports: men’s soccer, basketball, cross-country, and women’s volleyball, basketball, soccer and cross-country. In addition, Unity sponsors various intercollegiate club sports. Lacrosse, woodsmen, ice hockey, ultimate frisbee, men’s volleyball, men’s baseball, women’s softball, and indoor soccer teams compete with other college clubs throughout New England.

Equity in Athletics Disclosure Report Each year on October 1, the college makes available the Equity in Athletics Disclosure report to students, potential students, and the public. This report may be reviewed upon request in the Registrar’s Office.

Dining Services
Unity College Dining Services provides delicious and nutritious meals in our cafeteria and Student Activities Center operations daily. Our goal is to provide high quality food, a friendly atmosphere and excellent customer service while supporting local products and sustainable practices. We offer a 19-meal plan for first-year students and a 13-meal plan option for upper class students. These meal plans incorporate a declining balance that can be used at the Student Center. Students who live off campus can also purchase Unity dollars for food at the Student Center or cafeteria. The first meal of each semester begins with the Sunday dinner meal of the first week of classes and ends with the dinner meal on Wednesday of finals week.

Student Health and Counseling Services
The health center provides a wide range of services including daily walk-in clinics, a weekly physician clinic, a monthly reproductive health clinic, individual counseling and health education on an individual basis.

Religious Resources
Unity College seeks to respond to a variety of religious traditions and encourages independent religious involvement on the part of its students. There are Catholic, Islamic, Jewish, and Protestant services available in and around Unity. Area ministers are available for spiritual and personal counseling.

Public Safety
The Director of the Public Safety is responsible to provide a comprehensive program of police, security, crime prevention, fire safety, emergency medical, parking, and related public safety services on a 24-hour basis. To further meet this
objective, the Department of Public Safety works toward the establishment of a partnership with students, staff, and faculty in the development of crime prevention, security assessment, response, and education. This partnership is the foundation of maintaining an environment which encourages mutual respect, caring, and safety for the campus community.

Public Safety maintains a working relationship with Waldo County Sheriff, Maine State Police, Unity Fire Department, and Unity Ambulance to ensure an immediate response in the event additional assistance is required to ensure the safety of students, faculty, staff, and visitors and to protect the property and facilities. Public safety officers are trained to assist, when necessary, the Emergency Response Team.

Federal regulations require the reporting of crime statistics each year by September 1. The Public Safety Report is now available on the college website at www.unity.edu. A printed copy of this report is available to anyone, at no cost, by contacting the Unity College Public Safety Office.

**Student Activities**

Student activities provides a diverse offering of events for the participation and enjoyment of students. These program opportunities are geared to expand students' academic experience and facilitate their social connection with the community around them. A quick look at the monthly calendar will reveal that there is plenty going on at Unity College, such as, entertainers, lectures, trips, parties, and dances. The student activities director and staff of work study students provide a variety of social, cultural and educational programs throughout the school year. Students are strongly encouraged to recommend, help organize, and participate in student activities events.

**Student Government**

The Student Government Association is an active, highly respected, and influential voice on campus that helps to organize rewarding activities and non-academic programs. Funded by the student activity fee, the Student Government Association distributes funds each semester to the various student projects, activities, clubs and organizations.

Unity College’s Student Government Association is made up of a president, vice-president, secretary, treasurer, two senior class representatives, two junior class representatives, two sophomore class representatives, one commuter representative and one residence representative. The student government president is also the student representative to the Board of Trustees of the College. Many college committees include student representatives, who maybe appointed by the student government president with the approval of the Student Government Association. In addition to these committees, the Student Government Association forms its own committees to take action and make recommendations on issues related to the well being of the Unity College community.
Academic Information

Academic Program
Unity College prepares students for world citizenship and environmental stewardship. The Unity College education includes broad-based general learning as well as in-depth professional training. Unity graduates leave with well-developed skills in writing, speaking, mathematics, and computer science; with breadth and depth in areas of general knowledge and environmental issues; with mature, independent thinking skills; and with an appreciation of our cultural heritage.

Academic Advising
Your academic advisor is important as a guide, a mentor, and a partner. Your advisor helps you to plan your academic program, select courses, consider internships and off-campus study, and get the most out of your college career.

When you enroll, you will be assigned to an academic advisor who is both interested and skilled in helping new students make the adjustment to Unity College. In addition to your advisor, there are others to help you plan your academic coursework—faculty experts in your degree program, the Learning Resource Center and upper-class students who serve as peer advisors.

After your first year at Unity, you may choose to select an upper-class advisor, a faculty member with expertise and experience in your area of concentration. To change to a new advisor, simply arrange for your selected faculty member to be your advisor and fill out a change of advisor form, which is available from the Registrar's Office.

Bookstore
The bookstore is conveniently located adjacent to the cafeteria. In addition to textbooks and school supplies, you can purchase snack foods and drinks, general interest books, computer supplies, and Unity College memorabilia.

Calendar, Academic
The calendar is composed of two 15-week sessions, followed by a three-week session in May. Students may or may not choose to take courses in the three-week session, but some courses which are required for some programs might be offered only then. The drop period for May session will be during the first two days of classes in that session.

Career Resource Center
The Career Resource Center (CRC) educates students about career related issues, teaches students to conduct successful internship and employment searches, and facilitates positive work experiences for students. The career development process begins when a student enrolls at Unity College. During the early college years, the CRC offers services to assist students in evaluating their own interests and abilities and to increase their awareness of career opportunities.

Learning Resource Center
The Learning Resource Center (LRC) is an academic center that offers general academic support to the entire student body and specialized support, including academic course accommodations, to students who are diagnosed with learning disabilities, ADHD or similar challenges. The staff of the LRC includes faculty members, a professional learning specialist and trained peer tutors.

The center of services designed to promote skill improvement and individual development. Academic skill improvement is addressed through tutorial assistance and instruction in time management and other study skills. Most students who take advantage of the support offered by the LRC improve their study habits, develop more effective learning strategies, and succeed in their coursework.

The LRC offers the following programs:

Assistive Technology
The LRC has assistive technology available for students with learning differences to help with reading, writing and organizational skills. Assistive technology available in the LRC includes Kurzwell 3000 and Dragon Naturally Speaking. The College also has a membership with RFB&D (Reading for the Blind and Dyslexic). Assistive
technology can help students with learning differences become more successful readers and writers and can bridge the gap between their reading and writing needs and their current skills. Assistance and training are available for students to learn to use the technology.

**Services for Students with Learning Disabilities and ADHD** The LRC’s Learning Specialist works with the students who have specific learning disabilities or ADHD, providing individual instruction and counseling on organizational skills. He works collaboratively with eligible students to orient them to the College’s support services. The Learning Specialist also coordinates appropriate accommodations with faculty concerning specific student needs and course accommodations.

**Study Skills Workshops** Periodically, the Learning Resource Center conducts workshops designed to help students develop better techniques for taking notes in class, listening to and remembering classroom material, reading textbooks, writing papers and taking examinations.

**Tutoring** Faculty members and trained peer tutors are available in the Learning Resource Center to help students with their coursework. Tutors assist students in writing papers, completing assignments, studying for tests, understanding concepts and developing improved study skills.

**SAGE** The Student Academic Growth Experience provides academic and personal support to assist eligible students in making a successful transition to college. SAGE’s central feature--the assignment of a mentor to each student--assures individual attention through a structured learning partnership. SAGE students are invited to meet weekly with their mentors to discuss their academic progress and any challenges to their academic success. Mentors may refer students to appropriate campus resources and help them learn to assess their own performance in a variety of academic tasks. Like all students, those participating in the SAGE program are responsible for staying in touch with their mentors and making whatever efforts are necessary for their academic success.
Special Programs and Partnerships

The Washington Center

Unity College is affiliated with the Washington Center, a living-learning laboratory in the heart of Washington, D.C. The internship program provides individually tailored, full-time, supervised work experience. It also contains weekly academic seminars in a subject of choice. Programs are designed to show what life in a chosen career field is like and to update students on the changes and innovations taking place in the field.

Participants tend to be highly motivated people from a wide range of backgrounds and interests who want to focus on career skills and options.

Students live in apartment settings, work on the job 35 hours a week, and attend a weekly academic seminar. A cultural program and a lecture program are included. The program is intense and demanding but will help students build a solid foundation for their professional future. There is a program fee and room charge paid directly to the Washington Center in addition to tuition paid to Unity College, but the cost is comparable to a semester on campus. The tuition costs are 50% of the normal Internship rate per credit hour. For the 2010-2011 academic year the cost will be $192.50 per credit.

Students should have a B average and junior standing in order to qualify. Spirit, tenacity, the desire to learn, and the willingness to put in long hours will compensate for academic shortcomings in some cases. Students will be required to complete a public presentation on campus upon completion of the Washington Center program.

Washington's energy and openness make it a rich resource for students of all interests. Indeed, the city is often called the intern capital of the United States. Hundreds of sponsors seek out Washington Center interns each year; whatever your career aspirations, the center will tailor an internship placement for you.

Areas of current interest for the Washington Center include:

Congress  Education  Journalism and Communications
Executive Branch  Urban Affairs  Mathematics and Computer
Judicial Branch  Social Services  Political Affairs
D.C. Government  Sciences  Health Policy
Community Affairs  International Affairs  Business, Finance, & Accounting
Minority Issues  Environmental Policy  Economic Policy
Legal Services  Consumer Affairs  Women's Issues
Public Relations  Labor Relations  Arts, Museums, and Theatre

Unity College/Husson University Partnership

Unity College has an agreement with Husson University to permit students accelerated progress towards either a Master of Science in Business degree or a Master of Science in Criminal Justice Administration degree. Students earn the BA or BS from Unity at the end of the fourth year and the MS from Husson at the end of the fifth year. Graduate course work begins in the fourth year on the Unity campus with one graduate course in the fall term and one in the spring term. A six credit internship or course work is completed during the summer between fourth and fifth years. In the fifth year, students take graduate course work on the Husson campus or at the Husson South Portland Center.

The two courses taken at Unity College must be from the list of designated 4000 level courses. The student must meet the general requirements in the 4000-level course and complete a project that represents beginning graduate level work. The specific project requirements will be established by the course instructor and will include at a minimum a research paper, presentation, or similar product of substance and quality.

Unity College students interested in completing a master's degree in this five-year program will apply for admission to either the Husson University M.S. in Business program or the Criminal Justice Administration program in the second semester of their junior year. The admission requirements include: a completed application, two letters of recommendation and submission of transcripts (with student consent) for all undergraduate course work completed to date. Generally,
it is expected that candidates will have an undergraduate GPA of a 3.0 or better; exceptions to this standard may be made on a case-by-case basis. Initial acceptance into the graduate program will be provisional.

Students must complete the two graduate level courses in their senior year with grades of B or better and maintain an overall GPA of 3.0 or better. Upon completion of their undergraduate program of study and award of the baccalaureate degree, students will be admitted to regular status in the Master of Science in Business program or the Criminal Justice Administration program.

**Unity College/Maine Organic Farmers and Gardeners Association Sustainable Agriculture Program**

This unique program offers a thorough introduction to sustainable agriculture in theory and practice. A fall semester practicum course provides a foundation in sustainable agriculture through visits to premier sustainable farms, classroom instruction, hands-on laboratory work in the college gardens and greenhouses, and seminars with visiting farmers. The internship offers college credit for a summer farm work experience mentored by a MOFGA farmer expert in both sustainable agriculture practice and education.

**Unity College/National Outdoor Leadership School**

Unity College has an articulation agreement with the National Outdoor Leadership School (NOLS) whereby NOLS courses may be transferred for academic credit providing the student receives academic credit through another college or university. Unity College and the National Outdoor Leadership School, Lander, Wyoming exists to provide education services and opportunities. We cooperate effectively to ensure the highest quality educational experiences and opportunities. NOLS courses are a valuable way to learn outdoor skills and develop leadership. NOLS will give Unity College students preference in admission and intern selection.

Students must register with the Unity College Registrar’s Office prior to attending the National Outdoor Leadership School to receive course credit.

**High School Articulations**

High school graduates from the following programs may be eligible for six college credits upon matriculation to Unity College. Students must have graduated from their high school program with a grade point average of 3.0. The overall high school grade point average must be a minimum of 2.0. For more information you may contact the Unity College Registrar’s Office.

*Unity College has articulation agreements with the following high schools:*  
Alvirne High School, Hudson, New Hampshire (Forestry Technology)

Housatonic Valley Regional High School, Falls Village, Connecticut (Natural Resources Program)

Lyman Hall High School, Wallingford, Connecticut (Wildlife Biology and Plant Science Program)

Middletown Regional Vocational Agriculture Center, Middletown, Connecticut (Plant Science Program and Natural Resources Program)

Nonnewaug High School, Woodbury, Connecticut (Conservation Program)

Oxford Hills Technical School, Oxford Hills, Maine (Forestry Program)

Pinkerton Academy, Derry, New Hampshire (Environmental Studies/Outdoor Skills and Forestry Technology Programs)

River Bend Career and Technical Center, Bradford, Vermont (Environmental and Natural Resources Technology Program)
Stafford Technical Center, Rutland, Vermont (Forestry and Natural Resource Program)

Skowhegan Regional Vocational Center, Skowhegan, Maine (Outdoor Resources Program)

Sugar River Valley Technical Center, Newport, New Hampshire (Forestry/Natural Resources Program)

Womago Regional High School, Litchfield, Connecticut (Natural Resources Program)

**College Articulations**

- Bristol Community College, Fall River, Massachusetts
  - AA, Environmental Science
- Hocking College, Nelsonville, Ohio
  - AAS, Fish Management and Aquaculture Sciences
  - AAS, Wildlife Sciences

**Unity College/Thomas College Cross Registration Agreement**

Unity College offers a cross-registration program with Thomas College in Waterville, Maine for the purpose of expanding the institutions’ academic offerings. Juniors and seniors who are full time degree-seeking students at Unity College may register for one course on a space-available basis and with the approval of the Thomas College registrar. Students selecting a cross-registration course pay their Unity College tuition and owe no additional tuition to the other college. However, students must pay for books, supplies, transportation and any other fees incurred as a result of taking a cross-registration course. For more information, contact the registrar at Unity College.
Major Fields of Study

Unity College offers degrees in the following academic majors:

**Associate Programs**

Associate of Arts  
Liberal Studies  
Associate of Science  
Environmental Science  
Landscape Horticulture

**Baccalaureate Programs**

Bachelor of General Studies

Bachelor of Arts  
Environmental Writing

Bachelor of Science  
Adventure Education Leadership  
Adventure Therapy  
Agriculture, Food, and Sustainability  
Aquaculture and Fisheries  
Captive Wildlife Care and Education  
Conservation Law Enforcement  
Ecology  
Environmental Analysis  
Environmental Biology  
Environmental Education  
Environmental Policy  
Environmental Science  
Forestry  
Marine Biology  
Parks, Recreation and Ecotourism  
Sustainability Design and Technology  
Teaching and Learning (Life Science and/or Physical Science)  
Wildlife  
Wildlife Biology  
Wildlife Conservation
The Unity Environmental Stewardship Curriculum

The Unity College Environmental Stewardship Curriculum is a primary component of the Unity education. Required in all baccalaureate degree programs, the curriculum listed below is designed to teach important academic skills, knowledge, and dispositions through interdisciplinary and traditional courses that stress the connections and inter-relatedness of the various disciplines that comprise environmental studies. Together with the professional degree requirements, these courses prepare Unity graduates for leadership roles in environmental issues, on levels ranging from local to global.

I. Disciplinary Core of Courses:

- EH 1113 College Composition
- A Computer Science course
- A Mathematics course
- A Life Science course
- A Physical Science course
- A Humanities course
- A Social Science course
- An Arts course
- An Oral Communication course
- Seminar, internship, independent study, thesis, or academic field experience (3 credits minimum at or above the 3000 level)

Each course or group of courses used to fulfill a Disciplinary Core of Courses requirement must total a minimum of three credits except Computer Science, which must total a minimum of two credits. Any required course in a major may be used to satisfy the Disciplinary Core of Courses. The same course may not be used to satisfy more than one requirement in the Unity Environmental Stewardship curriculum.

II. Interdisciplinary Core of Courses:

- IC 1113 The Unity Experience or IC 1111 The Unity Transfer Experience
- IC 2213 The Environmental Citizen
- IC 3013 Environmental Sustainability
- IC 3113 Environmental Challenge

The courses below fulfill the Disciplinary Core of courses:

- **Computer Science courses**: Courses with a course code of CS
- **Math courses**: Courses with a course code of MA
- **Physical Science courses**: Courses with a course code of CH, GL, PS (The course that fulfills this requirement must have a lab component)
- **Life Science courses**: Courses with a course code of BI (The course that fulfills this requirement must have a lab component)
- **Social Science courses**: Courses with a course code of AN (except AN 3003), EC, GY, SY, PL, PY
- **Humanities courses**: Courses with a course code of EH, (except EH 1053, EH 1113, EH 2123, EH 3213), HY, FR, SP, PH, AR 3133
- **Art courses**: Courses with a course code of AR (except AR 3133), LH 3153
- **Oral Communication courses**: EH 1053, PR 1023, PH 2113

**Seminar** A seminar is a course that allows a small number of students to explore topics in depth with one or more faculty members. Students are expected to take an active role in the seminar, whether by participation or by presentation as agreed with the instructor. Seminars may be offered for one to three credits, and will include the word “seminar” in their course titles. The college may choose to offer a seminar on a regular basis. A student may have to enroll in more than one seminar at the 3000 or 4000 level to choose this option of the Unity Curriculum in order to gain the necessary three credits.

**Internship** An internship is a carefully planned, well-supervised job experience related to an academic field. To fulfill the Unity Curriculum graduation requirement, the internship must be a minimum of three credits and at the 3000 level or
Students should plan to take their internship no later than the summer of their junior year in order to complete their degree requirements in the appropriate time.

**Independent Study** An independent study is a learning opportunity beyond the normal catalog offerings arranged between one or more students and a faculty member. The responsibility for the course content for the independent study rests largely with the student. To fulfill the Unity Curriculum requirement with this option, the independent study must result in a written report or presentation by the student. A minimum of three credits of independent study is required at the 3000 or 4000 level.

**Thesis** A thesis is a research project, usually completed in the student's senior year. In this type of independent study, the thesis is of whatever length required to present the argument, defense, and conclusion. A copy of the thesis will be deposited in the Dorothy Webb Quimby Library.

The topic and methodology of a thesis are decided between the student and two faculty thesis advisors. A written thesis proposal must be approved by the faculty administrator and filed with the registrar. The senior thesis may be taken at the 4000 level only, for a maximum of three credits for each of two semesters.

**Academic Field Experience** A field experience will include at least three credits of academic course study conducted over a period of at least three calendar weeks at a college or university field station. Academic field experience approved sites include those field stations listed in the membership directory of the Organization of Biological Field Stations or others approved by the registrar. Study site and coursework must be approved by Unity College before coursework is attempted.

**GENERAL DEGREE REQUIREMENTS FOR THE BACHELOR OF ARTS, BACHELOR OF SCIENCE AND BACHELOR OF GENERAL STUDIES**

I. A minimum of 120 credit hours.
II. Thirty hours taken in residence.
III. Complete the Unity Environmental Stewardship Curriculum.
IV. Thirty credits at the 3000 level or above.
V. All degree candidates must have an overall GPA of 2.0 and be in good standing.
VI. Specific programs will prescribe additional requirements. Consult the section of the catalog pertaining to your program.
Degree Programs

Liberal Studies Associate of Arts

The Associate of Arts degree, emphasis in Liberal Studies, provides the greatest possible choice to the student in the design of his/her academic program. This degree program provides exposure in the traditional liberal arts. A student may concentrate heavily in one academic discipline, or he/she may design a program with considerable breadth in course selection. The Associate of Arts degree is designed to facilitate entry into a baccalaureate degree program.

I. A minimum of 60 credit hours, of which at least 30 must be earned in residence at the College.

II. The Unity Environmental Stewardship Curriculum Requirements:
   - EH 1113 College Composition
   - IC 1113 The Unity Experience or IC 1111 The Unity Transfer Experience
   - IC 2213 The Environmental Citizen
   - One Mathematics course
   - One Computer Science course
   - One Life Science course
   - One Physical Science course
   - An Oral Communication course
   - One course each from two of the following categories:
     - An Art course
     - A Humanities course
     - A Social Science course

III. A minimum of 24 credit hours must be earned at the 2000 level or above.

IV. All degree candidates must have an overall GPA of 2.0 and be in good standing.
Environmental Science Associate of Science

The Associate of Science degree is a two-year program that offers a general foundation in the environmental sciences. It is designed to provide basic skills and allow for the exploration of the varied fields in the natural resources. The two years needed to complete the degree provide the experience necessary for further specialization in a specific environmental science through continuation in a baccalaureate degree program.

I. A minimum of 60 credit hours, of which at least 30 must be earned in residence at the college.

II. Complete 36 credit hours from courses listed under the following rubrics: AF, BI, CH, CS, CL, ES, FY, GL, MA, PS, WF.

III. The Unity Environmental Stewardship Curriculum Requirements:
   - EH 1113 College Composition
   - IC 1113 The Unity Experience or IC 1111 The Unity Transfer Experience
   - IC 2213 The Environmental Citizen
   - One Mathematics course
   - One Computer Science course
   - One Life Science course
   - One Physical Science course
   - An Oral Communication course
   - One course each from two of the following categories:
     - An Art course
     - A Humanities course
     - A Social Science course

IV. A minimum of 24 credit hours must be earned at the 2000 level or above.

V. All degree candidates must have an overall GPA of 2.0 and be in good standing.
Landscape Horticulture is one of the fastest growing fields. The Associate of Science Landscape Horticulture degree prepares students for entry-level positions in landscaping, arboriculture, plant health care, lawn care and other related work. In addition to the emphasis on field skills, the courses integrate training in communication skills necessary for success in the workplace. This degree is designed to facilitate entry into the four-year Bachelor of Science Landscape Horticulture program for those students who choose to switch into this program or to extend their education beyond the Associate of Science degree.

I. A minimum of 60 credit hours, of which at least 30 must be earned in residence at the college.

II. The Unity Environmental Stewardship Curriculum Requirements:
   - EH 1113 College Composition
   - IC 1113 The Unity Experience or IC 1111 The Unity Transfer Experience
   - IC 2213 The Environmental Citizen
   - One Mathematics course
   - One Computer Science course
   - One Life Science course
   - One Physical Science course
   - An Oral Communication course
   
   EITHER  A Humanities Course
   OR     A Social Science Course

III. Landscape Horticulture Requirements:
   - AR 1013 Fundamental Drawing
   - BI 1114 Biological Processes: Evolution and Ecology
   - BI 1124 Biological Processes: Cell and Organism Function
   - BI 2043 Dendrology
   - FY 1002 Forest and Habitat Field Practices
   - LH 1002 Plant Health Care
   - LH 1013 Sustainable Landscape Horticulture
   - MA 1223 Algebra and Trigonometry
   
   EITHER   LH 3153 Landscape Design
   OR     LH 3173 Plant Diseases and Insects

IV. A minimum of 24 credit hours must be earned at the 2000 level or above.

V. All degree candidates must have an overall GPA of 2.0 and be in good standing.
The Bachelor of General Studies will provide maximum flexibility if you desire a degree program that prepares you for multiple careers. Since most people change careers more than once during their lifetime, this degree will provide a way for you to integrate a broad liberal arts and sciences education with independent choices that will strengthen your ability to adapt to changing career opportunities.

The Bachelor of General Studies has three components: The Unity Environmental Stewardship Curriculum (the general education program completed by all Unity graduates); the Liberal Learning requirement; and the Self-Designed Requirement. Working closely with a specialty advisor, you will develop a flexible plan that fits your evolving educational goals. The flexibility of this program will make it especially attractive to transfer students who desire maximum credit for courses previously taken at other institutions. With the opportunity to take courses in all the fields offered at Unity College, you will build the skills, knowledge, and understanding to respond successfully to a world of constant change.

I. The Unity Environmental Stewardship Curriculum.

II. The Self-Designed Plan. This written plan of study:
   - contains at least 40 credits of coursework;
   - gives a substantial introduction to broad based areas of knowledge;
   - provides study in depth;
   - leads to development of knowledge and skills in several disciplines at and above introductory level;
   - contains stated learning objectives, including a mastery of knowledge, methods, and theories and the interrelatedness of subjects studied;
   - must be approved by the BGS advisor before the student has completed 75 credits. Transfer students should contact the registrar about exceptions to the 75 credit requirement.

III. The general degree requirements for graduation must be fulfilled.
Environmental Writing Bachelor of Arts

The Bachelor of Arts in Environmental Writing offers students the opportunity to explore modes of self expression while mastering the techniques necessary to advocate for the environment. This program combines a broad-based liberal arts education with focused training in creative writing, journalism, and writing for social or biological sciences. Emphases on experiential learning, writing as a process, and the development of a unique authorial voice offer students the tools necessary for a variety of careers in the environment. Graduates from the program are well prepared to serve as environmental journalists, professional writers for nonprofit organizations, or educators. The environmental writing program also serves as excellent preparation for law school, graduate programs, or advanced creative writing programs.

I. The Unity Environmental Stewardship Curriculum.

II. Environmental Writing Requirements:
   - AR 2113 Creative Writing
   - EH 1213 Approaches to Literature
   - EH 2213 Introduction to Environmental Writing
   - EH 3213 Topics in Professional and Technical Writing
   - EH 3333 Environmental Journalism
   - EH 4243 Seminar: Special Topics
     - 3993 Internship, Independent Study, or Thesis
       (3 credits minimum at the 3000 level or above.)

   EITHER    EH 2073 American Literature
   OR        EH 2083 British Literature

   EITHER    PH 3323 Philosophy and Literature
   OR        PL 3413 Ethics, Advocacy and the Environment

6 credits at the 2000 level or above from the following course codes:
   BI, CH, CS, GL, LH, PR, or WF

6 credits at the 2000 level or above from the following course codes:
   AN, AR, EC, HY, PH, PL, PY or SY

III. The general degree requirements for graduation must be fulfilled.
The Adventure Education Leadership program emphasizes education for outdoor leadership in adventure education, adventure recreation, outdoor recreation, and related fields. As an experientially based program, students in the program acquire a core of field skills, followed by courses emphasizing leadership theory and practices. Following their Outward Bound semester, our juniors and seniors gain hands-on experience through their internship, by assisting faculty, and through other venues. When our students graduate, they have a solid background of practical experience, and theoretical knowledge.

Graduating students pursue career options involving Outward Bound or NOLS, guiding, community recreation departments, private outdoor adventure recreation or education programs such as the Appalachian Mountain Club, state youth agencies, camps, and private recreational resorts. A number have gone into outdoor recreation administration or set up their own businesses. The Unity graduate is also prepared for graduate school.

I. The Unity Environmental Stewardship Curriculum.

II. Adventure Education Leadership:

Students enrolled in the AEL major will be required to complete a fall immersive semester at the Outward Bound School (OBWS). This is an intensive 56 day field oriented semester designed to educate students in outdoor skills. In addition to the 56 day semester, students may choose to stay an extra 9 days to complete OS 2023 Wilderness First Responder.

Classes taken at OBWS are:
- AE 1022 Wilderness Camping and Travel
- AE 2182 Advanced Sailing
- AE 2213 Wilderness Expeditionary Skills
- OS 1061 Map and Compass
- PY 2113 Group Process

EITHER AE 1012 Rockclimbing
OR AE 2062 Whitewater Canoeing

The remaining courses will be taken on the Unity College campus:
- AE 2003 Outdoor Adventure Education
- AE 3204 Leadership
- AE 4403 Theoretical Perspectives
- MA 2243 Statistics I
- OS 1004 American Outdoor Experience
- OS 2023 Wilderness First Responder
- OS 3132 Community Practices
- OS 3313 Program Planning
- OS 4203 Research and Evaluation Methods in Social Sciences AE 3993 Internship: Adventure Education (3 credits minimum at or above the 3000 level)

EITHER PY 1003 Introduction to Psychology for Teaching
OR PY 1013 Introduction to Psychology

EITHER AE 2043 Universal Programming
OR AE 2184 Introduction to Challenge Courses
Supplemental Skills: Complete 3 additional credits:
   AE 1012 Rockclimbing
   AE 1042 Cross Country Skiing
   AE 1051 Sea Kayaking
   AE 108X Intermediate Outdoor Skills: Topics
   AE 2062 Whitewater Canoeing
   AE 2122 Intermediate Rockclimbing
   AE 2132 Winter Mountaineering
   AE 308X Trip Leadership Experience

III. The general degree requirements for graduation must be fulfilled.
Adventure Therapy Bachelor of Science

Outdoor Adventure Education is increasingly used by programs that promote interpersonal, social and psychological wellness and change. The Bachelor of Science degree in Adventure Therapy is designed to provide students wishing to obtain employment which such programs, the expertise, dispositions and experience to do so. The program has the dual focus of developing adventure education skills and leadership on the one hand and psychology and counseling theory and practice on the other.

I. The Unity Environmental Stewardship Curriculum.

II. Adventure Therapy Requirements:
Students enrolled in the AT major will be required to complete a fall immersive semester at the Outward Bound School (OBWS). This is an intensive 56 day field oriented semester designed to educate students in outdoor skills. In addition to the 56 day semester, students may choose to stay an extra 9 days to complete OS 2023 Wilderness First Responder.

Classes taken at OBWS are:
AE 1022 Wilderness Camping and Travel
AE 2182 Advanced Sailing
AE 2213 Wilderness Expeditionary Skills
OS 1061 Map and Compass
PY 2113 Group Process

EITHER AE 1012 Rockclimbing
OR AE 2062 Whitewater Canoeing

The remaining courses will be taken on the Unity College campus:
AE 2003 Outdoor Adventure Education
AE 2184 Introduction to Challenge Courses
AE 3204 Leadership
AE 3233 Adventure Therapy Programs
AE 4223 Counseling Theories for Wilderness Programming
AE 4403 Theoretical Perspectives
OS 2023 Wilderness First Responder
PY 2013 Human Development
PY 3133 Abnormal Psychology
AE 3993 Internship: Adventure Therapy (3 credits minimum at or above the 3000 level)

EITHER AE 2043 Universal Programming
OR ED 3333 Education for Exceptional Child and Youth

EITHER PY 1003 Introduction to Psychology for Teaching
OR PY 1013 Introduction to Psychology

III. The general degree requirements for graduation must be fulfilled.
Agriculture, Food, and Sustainability Bachelor of Science

This Bachelor of Science program of study is designed to prepare students for future study and careers in the growing fields of sustainable agriculture and food systems. The approach is interdisciplinary and experiential, drawing on several disciplines that intersect in the field of agriculture and food systems study, including biology, ecology, economics, critical social sciences, and history, as well as applied sciences such as horticulture, livestock management, and marketing. The program has a significant field and experiential component, utilizing the college’s farm and garden resources as well as those of the Maine Organic Farmers and Gardeners Association (MOFGA), whose headquarters are in Unity. Field studies will also take place on MOFGA member farms in the region and around the state of Maine.

Graduates of the program may choose careers in sustainable crop production, sustainable livestock production, food business enterprises, and nonprofit advocacy and management in areas such as food and agriculture policy, community agriculture, food security, farmland preservation, food and health, and community development.

I. The Unity Environmental Stewardship Curriculum.

II. Agriculture, Food, and Sustainability requirements:
   - AS 3133 Business Management
   - AS 4123 Sustainable Enterprise
   - BI 1114 Biological Processes: Evolution and Ecology
   - BI 1124 Biological Processes: Cell and Organism Function
   - BI 2063 Agroecology
   - BI 3133 Environmental Plant Physiology
   - CH 1104 General Chemistry I
   - CH 1114 General Chemistry II
   - EC 2023 Economics of Resource Conservation and Sustainability
   - HY 1003 Sustainable Societies
   - MA 1223 Algebra and Trigonometry
   - MA 2243 Statistics I
   - LH 1013 Sustainable Landscape Horticulture
   - LH 2113 Sustainable Agriculture Practicum
   - LH 2323 Organic Gardening
   - LH 3173 Plant Insects and Diseases
   - LH 3363 Soil Fertility
   - LH 4023 Livestock and Pasture Management
   - PL 3413 Advocacy, Ethics and the Environment
   - 3993 Internship (Must have a course code of AS, BI, or LH)

III. The general degree requirements for graduation must be fulfilled.
Aquaculture and Fisheries Bachelor of Science

The integrated Aquaculture and Fisheries program combines the tradition of preparing fisheries biologists and fisheries technicians for federal, state and private agencies and conservation groups with education in the multi-faceted aspects of aquaculture. Our students are sought by employers and graduate schools because the curriculum provides opportunities for students to become proficient in basic biological and physical sciences while giving them theoretical and practical exposure to the fields of aquaculture and fisheries sciences. Students also develop an appreciation for the intricacies of aquaculture production, fisheries management, and fish pathology.

I. The Unity Environmental Stewardship Curriculum.

II. Aquaculture and Fisheries Requirements:
   - AF 1003 International Aquaculture
   - AF 2112 Gross and Microscopic Anatomy of Fish
   - AF 3114 Principles of Aquaculture
   - AF 3313 Applied Fish Physiology
   - BI 1114 Biological Processes: Evolution and Ecology
   - BI 1124 Biological Processes: Cell and Organism Function
   - BI 3184 Freshwater Ecology/Limnology
   - BI 3233 Ichthyology
   - CH 1104 General Chemistry I
   - CH 1114 General Chemistry II
   - GL 2003 Geology of Environmental Problems
   - MA 1223 Algebra and Trigonometry
   - MA 2243 Statistics I
   - MA 2333 Calculus I

   Minimum of 12 credits from the following:
   - AF 3324 Fish Science and Techniques
   - BI 2004 Population and Community Ecology
   - BI 3243 General Genetics
   - BI 3654 Microbiology
   - CH 2324 Organic Chemistry

III. The general degree requirements for graduation must be fulfilled.
Captive Wildlife Care and Education Bachelor of Science

This program is designed for students interested in careers relative to the care and husbandry of captive wild species and education of the public concerning wildlife issues. Students receive a solid foundation in the biological sciences, education and interpretation along with specialized courses in captive wildlife care. Target employers include zoos, aquariums, rehabilitation and wildlife education facilities.

I. The Unity Environmental Stewardship Curriculum.

II. Captive Wildlife Care and Education Requirements:

- BI 1114 Biological Processes: Evolution and Ecology
- BI 1124 Biological Processes: Cell and Organism Function
- BI 2004 Population and Community Ecology
- BI 3243 General Genetics
- BI 3254 Comparative Animal Physiology
- BI 3323 Conservation Biology
- CH 1104 General Chemistry I
- ED 2113 Instruction and Evaluation Design
- MA 1223 Algebra and Trigonometry
- MA 2243 Statistics I
- PR 1023 Interpretation of Natural Cultural Heritage
- PR 4123 Interpretative Methods
- WF 1001 North American Wildlife Identification
- WF 1011 Exotic Animal Identification
- WF 1013 Introduction to Wildlife Care and Education
- WF 2003 Animal Training
- WF 2132 North American Wildlife
- WF 2433 Wildlife Techniques
- WF 3023 Enrichment and Exhibit Design
- WF 4034 Animal Health

EITHER
- PY 1003 Introduction to Psychology for Teaching and Learning

OR
- PY 1013 Introduction to Psychology

Two of the following:

- BI 2033 Marine Biology
- BI 3233 Ichthyology
- BI 3273 Mammalogy
- BI 3283 Ornithology

Two, 3 credit hour internships at two separate animal care facilities, one at the 2000 level and one at the 3000 level or above.

III. The general degree requirements for graduation must be fulfilled.
Conservation Law Enforcement Bachelor of Science

Conservation Law Enforcement prepares students for a comprehensive understanding of fields related to resource and environmental protection. Building on a broad base of law enforcement knowledge, students learn the importance of integrating science into their theoretical and practical views concerning conservation of our natural resources. Active classroom and laboratory experiences focus on exciting topics like wildlife techniques, marine and wildlife law, crime scene investigation, biology and fisheries sciences. Our students gain distinct advantages from our carefully designed courses intended for careers in conservation and environmental and marine law enforcement. Successful students are employable in agencies dedicated to enforcing public and commercial conservation laws at the federal, state and local level. Opportunities include positions as game wardens, fish and game officers, marine patrol officers, harbor masters, and environmental protection officers.

I. The Unity Environmental Stewardship Curriculum.

II. Conservation Law Enforcement Requirements:
   - BI 1114 Biological Processes: Evolution and Ecology
   - BI 1124 Biological Processes: Cell and Organism Function
   - CL 1003 Introduction to Criminal Justice
   - CL 1013 Introduction to Conservation Law Enforcement
   - CL 3013 Courtroom Procedure and Evidence
   - CL 3224 Crime Scene and Investigative Techniques
   - CL 4403 Cons. Law Enforcement Supervision & Management
   - CL 4503 Conservation Law Capstone
   - ES 2013 Interpersonal Relations
   - MA 2243 Statistics I
   - MA 3253 Statistics II
   - WF 1001 North American Wildlife Identification
   - WF 2132 North American Wildlife
   - WF 2433 Wildlife Techniques
   - AF 3324 Fisheries Science and Techniques
   - EITHER CL 2033 Marine Law Enforcement
   - OR CL 2113 Wildlife Law Enforcement

III. The general degree requirements for graduation must be fulfilled.
Ecology Bachelor of Science

Ecology is the study of the interrelationships between living organisms and their environment. Students who choose ecology as a major will be introduced to two major ecosystem types, terrestrial and freshwater, and will undertake extensive studies into the biological, chemical, and physical properties of each. Ecology courses stress the differences and similarities between the two approaches to ecological studies: autecology, the ecology of individual organisms or species; and synecology, the ecology of populations, communities, and ecosystems.

I. The Unity Environmental Stewardship Curriculum.

II. Ecology Requirements:
- BI 1011 Field Ecology Experience
- BI 1114 Biological Processes: Evolution and Ecology
- BI 1124 Biological Processes: Cell and Organism Function
- BI 2004 Population and Community Ecology
- BI 3184 Freshwater Ecology/Limnology
- BI 3243 General Genetics
- BI 3464 Ecosystem and Evolutionary Ecology
- CH 1104 General Chemistry I
- CH 1114 General Chemistry II
- CH 2324 Organic Chemistry
- MA 1223 Algebra and Trigonometry
- MA 2243 Statistics I
- MA 3263 Biometry
- 1 Geology (GL) course

Either
- BI 3133 Environmental Plant Physiology
Or
- BI 3254 Comparative Animal Physiology

One of the following:
- BI 2033 Marine Biology
- BI 2053 Systematic Botany
- BI 3233 Ichthyology
- BI 3263 Ecology of Natural Communities
- BI 3273 Mammalogy
- BI 3283 Ornithology
- BI 4013 Marine Ecology

III. The general degree requirements for graduation must be fulfilled.
Environmental Analysis Bachelor of Science

The Environmental Analysis program incorporates basic course work in biological sciences with strengths in chemistry and geology. This course work gives students the knowledge and skill necessary to tackle chemical and geological problems in the environment. Laboratory and fieldwork experiences provide students with many hands-on opportunities to engage in real-world problem solving.

Graduates of the program find employment as environmental technicians or scientists in environmental consulting firms such as analytical laboratories, geological or engineering consulting firms, as well as regulatory agencies. The program also prepares students for graduate work in Environmental Studies as well as Chemistry and Geology.

I. The Unity Environmental Stewardship Curriculum.

II. Environmental Analysis Requirements:
   - BI 1114 Biological Processes: Evolution and Ecology
   - BI 1124 Biological Processes: Cell and Organism Function
   - BI 2004 Population and Community Ecology
   - CH 1104 General Chemistry I
   - CH 1114 General Chemistry II
   - CH 2324 Organic Chemistry
   - CH 2334 Analytical Chemistry
   - ES 4544 Environmental Analysis
   - GL 1003 Physical Geology
   - GL 2003 Geology of Environmental Problems
   - GL 3044 Surface and Groundwater Hydrology
   - GL 3433 Soil Science
   - MA 1223 Algebra and Trigonometry
   - MA 2243 Statistics I

III. The general degree requirements for graduation must be fulfilled.
Environmental Biology Bachelor of Science

All candidates for this degree receive a traditional education in biological science. Training is enhanced by the field-oriented, experiential-type education offered by Unity College faculty with expertise in such course work.

This degree provides a choice for future environmental service. One choice open for students is application to entry level employment in resource-oriented environmental professions. The second choice is provided by the rigorous curriculum perhaps best demonstrated by the requisite senior thesis. The choice is application to advanced degree programs in a wide variety of fields.

I. The Unity Environmental Stewardship Curriculum.

II. Environmental Biology Requirements:
   - BI 1114 Biological Processes: Evolution and Ecology
   - BI 1124 Biological Processes: Cell and Organism Function
   - BI 2004 Population and Community Ecology
   - BI 2303 Cell Biology
   - BI 3003 Research Methods and Design
   - BI 3133 Environmental Plant Physiology
   - BI 3243 General Genetics
   - BI 3254 Comparative Animal Physiology
   - CH 1104 General Chemistry I
   - CH 1114 General Chemistry II
   - CH 2324 Organic Chemistry
   - ES 4013 Senior Thesis
   - PS 2303 General Physics I
   - MA 1223 Algebra and Trigonometry
   - MA 2243 Statistics I
   - MA 2333 Calculus I
   - MA 3263 Biometry

III. The general degree requirements for graduation must be fulfilled.
Environmental Education Bachelor of Science

The Bachelor of Science degree in environmental education prepares students to deliver experiential learning programs that foster environmental literacy and encourage people to protect and improve the environment.

Environmental educators work in a wide variety of educational and recreational settings. These include nature centers, outdoor programs, schools, residential camps, parks, resource management agencies, museums and historical sites, zoos and aquariums, resorts and ecotourism guiding services. In addition to studying environmental subjects and effective teaching methods in their formal coursework, students gain valuable experience through ongoing practice with groups of learners in community and educational settings.

Environmental Education students pursuing teacher certification meet additional requirements—see the Teacher Certification program requirements. All Environmental Education students are prepared to further develop their abilities in graduate school.

I. The Unity Environmental Stewardship Curriculum.

II. Environmental Education Requirements:

AN 3443 Researching Local Places
BI 1114 Biological Processes: Evolution and Ecology
BI 1124 Biological Processes: Cell and Organism Function
BI 2004 Population and Community Ecology
ED 2014 Foundations of Education
ED 2113 Instruction and Evaluation Design
ED 3444 Teaching Science in the Secondary Schools
ED 4003 Senior Project
MA 2243 Statistics I
OS 1004 American Outdoor Experience
OS 3132 Community Practices
PR 1023 Interpretation of Natural and Cultural Heritage
PR 4123 Interpretive Methods
PY 1003 Introduction to Psychology for Teaching and Learning
PY 3123 Educational Psychology
3993 Internship (3 credits minimum at the 3000 level or above)

III. The general degree requirements for graduation must be fulfilled.
Environmental Policy Bachelor of Science

The Environmental Policy program is one of very few offered by small undergraduate institutions. It offers students a well-grounded course of study in political science, law, economics, and the sciences. Internships and projects with environmental agencies and organizations allow students to put theory into practice. Our Washington Semester provides an excellent opportunity for on-the-job experience in government agencies such as the Environmental Protection Agency, Army Corps of Engineers, or Soil Conservation Service, and in the private sector as well. The program prepares students for policy-oriented careers in government agencies, nonprofit organizations, environmental consulting, and industry. Graduates also hold scientific and technical positions involved in policy formation in both the public and private sectors. Alumni of the program pursue graduate education in law, public policy, and natural resource economics.

I. The Unity Environmental Stewardship Curriculum.

II. Environmental Policy Requirements:
   - BI 1114 Biological Processes: Evolution and Ecology
   - BI 1124 Biological Processes: Cell and Organism Function
   - BI 2004 Population and Community Ecology
   - CH 1104 General Chemistry I
   - CH 1114 General Chemistry II
   - EC 2013 Introduction to Economics and Economic Criticism
   - ES 4544 Environmental Analysis
   - GL 2003 Geology of Environmental Problems
   - MA 2243 Statistics I
   - PL 1013 American Democracy
   - PL 2013 State and Local Government
   - PL 3233 Environmental Resource Law
   - PL 4413 Natural Resource Policy
   - PL 3413 Advocacy, Ethics and the Environment
   - SY 3183 Social Problems

   EITHER MA 1223 Algebra and Trigonometry
   OR MA 2333 Calculus I

III. The general degree requirements for graduation must be fulfilled.
Environmental Science Bachelor of Science

The program in Environmental Science allows students to develop their talents and skills to function as informed citizens in environmental matters and become effective contributors and practitioners in developing solutions to complex problems. Students will develop basic skills in science-based fields, chemistry, ecology, mathematics, physics, and geology, and will be exposed to current issues of scientific theory and environmental policy. Based on the real world complexity of the environment, the approach is comprehensive, enabling students to develop required skills and to nurture their unique interests. Study within this program can be structured to meet many student interests, including preparation for further graduate study in the sciences, for professional programs such as law, planning, business or medicine, or for employment in environment consulting firms or regulatory agencies.

I. The Unity Environmental Stewardship Curriculum.

II. Environmental Science Requirements:
   - BI 1114 Biological Processes: Evolution and Ecology
   - BI 1124 Biological Processes: Cell and Organism Function
   - BI 2004 Population and Community Ecology
   - BI 3243 General Genetics
   - CH 1104 General Chemistry I
   - CH 1114 General Chemistry II
   - CS 1222 Introduction to Computers
   - CS 3133 Desktop Geographic Information Systems
   - GL 1003 Physical Geology
   - GL 2003 Geology of Environmental Problems
   - PS 2303 General Physics I
   - PS 2313 General Physics II
   - MA 1223 Algebra and Trigonometry
   - MA 2243 Statistics I
   - MA 2333 Calculus I
   - EITHER GL 3044 Surface and Groundwater Hydrology
   - OR GL 3433 Soil Science

III. The general degree requirements for graduation must be fulfilled.
Forestry Bachelor of Science

This program is designed to provide the basic science, math and liberal studies of a traditional Bachelor of Science degree and technical skills. The elective component enables students to build their own emphasis within the program. Recent graduates have been employed by governmental agencies and private industries dealing with managing natural resources, as well as continuing their education in graduate school.

Unity's small size prevents the bachelor's degree program in forestry from achieving accreditation by the Society of American Foresters. Unity graduates, however, participate in society affairs and are working as foresters in Maine and other states.

I. The Unity Environmental Stewardship Curriculum.

II. Forestry Requirements:
   - BI 1114 Biological Processes: Evolution and Ecology
   - BI 1124 Biological Processes: Cell and Organism Function
   - BI 2004 Population and Community Ecology
   - BI 2043 Dendrology
   - CH 1104 General Chemistry I
   - CS 1222 Introduction to Computers
   - CS 3133 Desktop GIS
   - ES 3424 Inventorying Natural Resources
   - FY 1002 Forest and Habitat Field Practices
   - FY 2124 Forest Products and Wood Technology
   - FY 3524 Forest Harvesting and Environmental Regulations
   - FY 3544 Silviculture
   - FY 4794 Forest Management
   - GL 3433 Soil Science
   - MA 1223 Algebra and Trigonometry
   - MA 2243 Statistics I

III. The general degree requirements for graduation must be fulfilled.
Marine Biology Bachelor of Science

This Marine Biology program provides dedicated, engaged students with specialized knowledge of the biology of marine organisms, of marine ecosystems, and of marine resource management. Graduates of the program are prepared to be stewards of the marine environment and leaders in the field of marine biology and marine resource management through active learning experiences within a supportive community.

I. The Unity Environmental Stewardship Curriculum.

II. Marine Biology Requirements:
   - BI 1001 Introduction to Marine Science
   - BI 1114 Biological Processes: Evolution and Ecology
   - BI 1124 Biological Processes: Cell and Organism Function
   - BI 2004 Population and Community Ecology
   - BI 2033 Marine Biology
   - BI 2303 Cell Biology
   - BI 3243 General Genetics
   - BI 3253 Invertebrate Zoology
   - BI 4013 Marine Ecology
   - BI 4323 Themes in Marine Macrovertebrate Biology
   - CH 1104 General Chemistry I
   - CH 1114 General Chemistry II
   - CH 2324 Organic Chemistry
   - ES 1001 Scuba Certification
   - ES 3013 Oceanography
   - MA 1223 Algebra and Trigonometry
   - MA 2243 Statistics I
   - MA 2333 Calculus I

III. The general degree requirements for graduation must be fulfilled.
This program is designed to provide students with the educational foundation for work in a wide range of settings such as parks and protected areas, the public and private business sectors, nonprofit environmental organizations, as well as local, state and federal natural resource agencies. This program blends the natural, social, and management sciences to provide that framework of knowledge in an interdisciplinary format to best meet the needs of recreation, tourism, natural resource planning, and environmental organization.

I. The Unity Environmental Stewardship Curriculum.

II. Parks, Recreation and Ecotourism Requirements:
   - BI 1114 Biological Processes: Evolution and Ecology
   - BI 1124 Biological Processes: Cell and Organism Function
   - OS 1004 American Outdoor Experience
   - OS 2023 Wilderness First Responder
   - OS 2122 Professional Ethics and Development
   - OS 4333 Administration and Operations
   - PL 2313 Wildlife and Natural Resource Regulation
   - PL 3233 Environmental Resource Law
   - PL 4413 Natural Resource Policy
   - PR 1023 Interpretation of Natural and Cultural Heritage
   - PR 2123 Ecotourism
   - PR 3213 Visitor and Resource Protection
   - PR 4223 Park Planning and Design
   - WF 1001 North American Wildlife Identification
   - WF 2132 North American Wildlife
   - 3993 Internship (3 credits minimum at the 3000 level or above)

   EITHER BI 2043 Dendrology
   OR BI 2053 Systematic Botany

   EITHER GL 1003 Physical Geology
   OR GL 1013 Weather and Climate

III. The general degree requirements for graduation must be fulfilled.
This Bachelor of Science program will allow students to develop their talents and skills as applied scientists and planners in the fields of energy efficiency, renewable energy, and response to climate change. The emphasis will be on technology and accounting.

Students learn to both evaluate and implement emerging technologies, and to design, quantify, and account for programs of energy efficiency and climate emission reductions, for government, for private businesses, or for households. The emphasis will be on practical skills based on solid general theory. Upon graduation, students may choose work in the emerging job market in government sustainability implementation and planning, to work as lobbyists and advocates in the same arena, to work in the housing market as implementers and auditors of sustainability and energy efficiency measures, to work in industry as an environmental compliance officers, sustainability coordinators or sustainability officers, or to go on to graduate school in the fields of public policy, planning, architecture, environmental law, environmental and industrial design, or climate mitigation.

I. The Unity Environmental Stewardship Curriculum

II. Sustainability Design and Technology

   AS 3133 Business Management
   BI 1114 Biological Processes: Evolution and Ecology
   BI 1124 Biological Processes: Cell and Organism Function
   BI 2004 Population and Community Ecology
   GL 4003 Global Change
   HY 1003 Sustainable Societies
   EC 2023 Economics of Resource Conservation and Sustainability
   MA 2243 Statistics I
   PL 1013 American Democracy
   PL 2013 State and Local Government
   PL 3233 Environmental Resource Law
   PL 3413 Advocacy, Ethics and the Environment
   PL 4413 Natural Resource Policy
   PS 2303 General Physics I
   PS 2313 General Physics II
   PS 3003 Energy and Energy Efficiency

   EITHER
   MA 1223 Algebra and Trigonometry
   OR
   MA 2333 Calculus I

III. The general degree requirements for graduation must be fulfilled.
Teaching and Learning Bachelor of Science

This Teaching and Learning major prepares dedicated students for professional practice as educators. Maine teacher certification is valid in Maine, New England and many other states, qualifying successful students for entry-level high school and middle school teaching positions. The college currently supports certification in the following areas:

Secondary Life Science
Secondary Physical Science

I. The Unity Environmental Stewardship Curriculum

II. Teaching and Learning
   BI 1114 Biological Processes: Evolution and Ecology
   CH 1104 General Chemistry I
   ED 2014 Foundations in Education
   ED 2102 Educational Field Practicum I*
   ED 2113 Instructional and Evaluation Design
   ED 3122 Educational Field Practicum II
   ED 3223 Curriculum Development and Assessment
   ED 3333 Education for Exceptional Children and Youth
   ED 3444 Teaching Science in the Secondary Schools
   MA 1223 Algebra and Trigonometry
   PY 1003 Introduction to Psychology for Teaching and Learning
   PY 2013 Human Development
   PY 3123 Educational Psychology
   ED 4912 Senior Internship in Student Teaching**
   One of the following:
      AE 2003 Outdoor Adventure Education
      AE 2043 Universal Programming
      AE 2184 Introduction to Challenge Courses
      PR 1023 Interpretation of Natural and Cultural Heritage

      EITHER Life Science Concentration
      OR Physical Science Concentration

* Prior to taking Practicum I (ED 2102), student must pass Praxis I exams (Reading, Writing and Mathematics) and complete Maine State Background Check.

**Prior to Student Teaching (ED 4912), student must pass appropriate Praxis II exam in Certification Area.

III. The general degree requirements for graduation must be fulfilled.
PHYSICAL SCIENCE CONCENTRATION FOR SECONDARY TEACHING

In addition to the Teaching and Learning major, students must complete 24 hours of Physical Science courses approved by the Maine State Department of Education to be eligible for teacher certification in grades 7-12 in the Physical Sciences.

Required courses:
- CH 1104 General Chemistry I
- CH 1114 General Chemistry II
- PS 2303 General Physics I
- PS 2313 General Physics II
- GL 1003 Physical Geology
- GL 1013 Weather and Climate

4 credits from the following to meet the state 24 credit hour minimum credit rule:
- CH 2324 Organic Chemistry
- CH 2334 Analytical Chemistry
- ES 3013 Oceanography
- ES 4544 Environmental Analysis
- GL 2003 Geology of Environmental Problems
- GL 3433 Soil Science: Principles and Applications
- GL 3044 Surface and Groundwater Hydrology
- PS 3003 Energy and Energy Efficiency

LIFE SCIENCE CONCENTRATION FOR SECONDARY TEACHING

In addition to the Teaching and Learning major, students must complete 24 credit hours of Life Science courses approved by the Maine State Department of Education to be eligible for teacher certification in grades 7-12 in the Life Sciences.

Required courses:
- BI 1114 Biological Processes: Evolution and Ecology
- BI 1124 Biological Processes: Cell and Organism Function
- BI 2004 Population and Community Ecology
- BI 2303 Cell Biology
- BI 3243 General Genetics

EITHER
- BI 3133 Environmental Plant Physiology
OR
- BI 3254 Comparative Animal Physiology

2-3 credits from the following to meet the state 24 credit hour minimum credit rule:
- AF 2112 Gross and Microscopic Anatomy of Fish
- AF 3114 Principles of Aquaculture
- AF 3313 Applied Fish Physiology
- AF 3324 Fisheries Science and Techniques
- BI 1011 Field Ecology Experience
- BI 2033 Marine Biology
- BI 2043 Dendrology
BI 2053 Systematic Botany
BI 2063 Agroecology
BI 3003 Research Methods and Design
BI 3133 Environmental Plant Physiology
BI 3173 Animal Behavior
BI 3184 Freshwater Ecology/Limnology
BI 3233 Ichthyology
BI 3253 Invertebrate Zoology
BI 3254 Comparative Animal Physiology
BI 3263 Ecology of Natural Communities
BI 3273 Mammalogy
BI 3283 Ornithology
BI 3323 Conservation Biology
BI 3464 Ecosystems and Evolutionary Ecology
BI 3654 Microbiology
BI 4013 Marine Ecology
BI 4243 Themes in Marine Macrovertebrate Biology
LH 3043 Arboriculture
LH 3173 Plant Insects and Diseases
LH 3363 Soil Fertility
FY 3544 Silviculture
FY 4794 Forest Management
WF 1001 North American Wildlife Identification
WF 2132 North American Wildlife
WF 2433 Wildlife Techniques
WF 4613 Wildlife Ecology and Management
Wildlife Bachelor of Science

The wildlife major provides students with a sound educational foundation in wildlife while providing the student with maximum choice in course selection. Students can build into this wildlife program those courses they think are best suited for their individual interests, career expectations, and professional goals.

I. The Unity Environmental Stewardship Curriculum.

II. Wildlife Requirements:
   - BI 1114 Biological Processes: Evolution and Ecology
   - BI 1124 Biological Processes: Cell and Organism Function
   - BI 2004 Population and Community Ecology
   - BI 3243 General Genetics
   - BI 3254 Comparative Animal Physiology
   - CH 1104 General Chemistry I
   - CH 1114 General Chemistry II
   - MA 1223 Algebra and Trigonometry
   - MA 2243 Statistics I
   - MA 2333 Calculus I
   - WF 1001 North American Wildlife Identification
   - WF 2132 North American Wildlife
   - WF 2433 Wildlife Techniques
   - WF 4613 Wildlife Ecology and Management

   EITHER BI 3273 Mammalogy
   OR BI 3283 Ornithology

   Two of the following:
   - BI 2043 Dendrology
   - BI 2053 Systematic Botany
   - BI 2303 Cell Biology
   - BI 3133 Environmental Plant Physiology

III. The general degree requirements for graduation must be fulfilled.
Wildlife Biology Bachelor of Science

Students interested in careers as wildlife biologists with state or federal wildlife agencies should consider this program. The program emphasizes basic ecological and biological principles, and is expanded by program-specific classes in management and research concepts. Graduates meet educational standards of the U.S. Fish and Wildlife Service for positions as wildlife biologist, refuge manager and wildlife inspector. Although graduates are qualified to pursue careers in wildlife science, they are encouraged to pursue further education in a wildlife graduate degree program to enhance their competitive position in a highly competitive field.

I. The Unity Environmental Stewardship Curriculum.

II. Wildlife Biology Requirements:

- BI 1114 Biological Processes: Evolution and Ecology
- BI 1124 Biological Processes: Cell and Organism Function
- BI 2004 Population and Community Ecology
- BI 2053 Systematic Botany
- BI 2303 Cell Biology
- BI 3003 Research Methods and Design
- BI 3133 Environmental Plant Physiology
- BI 3243 General Genetics
- BI 3254 Comparative Animal Physiology
- BI 3273 Mammalogy
- BI 3283 Ornithology
- BI 3464 Ecosystem and Evolutionary Ecology
- CH 1104 General Chemistry I
- CH 1114 General Chemistry II
- EH 3213 Topics in Professional and Technical Writing
- ES 4013 Senior Thesis
- MA 1223 Algebra and Trigonometry
- MA 2243 Statistics I
- MA 2333 Calculus I
- MA 3263 Biometry
- WF 4613 Wildlife Ecology and Management

EITHER

- WF 1001 North American Wildlife Identification AND
- WF 2132 North American Wildlife

OR

- WF 2433 Wildlife Techniques

One of the following:

- GL 1003 Physical Geology
- GL 2003 Geology of Environmental Problems
- GL 3433 Soil Science

III. The general degree requirements for graduation must be fulfilled.
Wildlife Conservation Bachelor of Science

This program is designed to prepare students in wildlife conservation as it relates to habitat, ecosystems, and other land or resource use. Students receive a solid foundation in biological and ecological principles along with courses focusing on natural resource and wildlife management. Target employers include state and federal conservation and land management agencies, as well as non-profit conservation organizations such as National Audubon or The Nature Conservancy. Graduates of this program meet educational standards qualifying them as refuge manager or wildlife inspector with the US Fish and Wildlife Service.

I. The Unity Environmental Stewardship Curriculum.

II. Wildlife Conservation Requirements:
   - BI 1114 Biological Processes: Evolution and Ecology
   - BI 1124 Biological Processes: Cell and Organism Function
   - BI 2004 Population and Community Ecology
   - BI 2043 Dendrology
   - BI 3323 Conservation Biology
   - CH 1104 General Chemistry I
   - CH 1114 General Chemistry II
   - FY 1002 Forest and Habitat Field Practices
   - FY 3544 Silviculture
   - MA 1223 Algebra and Trigonometry
   - MA 2243 Statistics I
   - MA 3263 Biometry
   - WF 1001 North American Wildlife Identification
   - WF 2132 North American Wildlife
   - WF 2433 Wildlife Techniques
   - WF 4613 Wildlife Ecology and Management
   - WF 993 Internship (3 credits minimum at the 3000 level or above)

   EITHER
   - GL 2003 Geology of Environmental Problems
   OR
   - GL 3433 Soil Science

   EITHER
   - CL 2113 Wildlife Law Enforcement
   OR
   - PL 3233 Environmental Resource Law

   EITHER
   - BI 3273 Mammalogy
   OR
   - BI 3283 Ornithology

   EITHER
   - ES 2013 Interpersonal Relations
   OR
   - EH 2123 Advanced Oral Communication

   EITHER
   - OS 4333 Administration and Operations
   OR
   - AS 3133 Business Management

   One of the following:
   - ES 3424 Inventorying Natural Resources
   - FY 3524 Forest Harvesting and Environmental Regulations
   - FY 4794 Forest Management

III. The general degree requirements for graduation must be fulfilled.
ACADEMIC MINORS

A minor program is a concentrated course of study in a given discipline or subdiscipline, which includes 15-18 credit hours of study, comprises at least 9 credits outside the student’s major program and other major or minor programs taken at Unity College, comprises at least 6 credit hours taken in residence at Unity College, and has been approved by the faculty as a minor program. No substitution of courses in a minor are allowed.

Adventure Therapy

The Adventure Therapy minor offers students an opportunity to briefly explore the theory and practical counseling and therapeutic techniques employed in outdoor adventure programs. Students will learn and practice the skills employed by adventure therapists and be introduced to the theoretical underpinnings supporting these techniques. They should, upon completion of this minor, feel comfortable seeking very basic, entry-level employment positions in this rapidly growing field.

Outward Bound/Unity College Wilderness Semester
AE 4223 Counseling Theories for Wilderness Programming
OR
EITHER AE 1022 Wilderness Camping and Travel
OR AE 2003 Outdoor Adventure Education
AE 2184 Introduction to Challenge Course
AE 3233 Adventure Therapy Programs
AE 4223 Counseling Theories for Wilderness Programming
PY 2113 Group Process

Botany

The Botany minor has a core of four courses that comprise structure, function and identification of plants, and plants in their broader environmental context. A fifth course may be a choice amongst several, allowing the student to cast his or her minor in a more applied or basic mode, according to individual goals.

BI 2043 Dendrology
BI 2053 Systematic Botany
BI 3133 Environmental Plant Physiology
LH 3173 Plant Insects and Diseases

One of the following:
BI 2004 Population and Community Ecology
BI 3243 General Genetics
FY 3544 Silviculture
LH 3043 Arboriculture
LH 3363 Soil Fertility
Chemistry

The Chemistry minor is designed to broaden a student's science background by providing them with a fundamental understanding of chemistry, particularly as it applies to the environment.

CH 1104 General Chemistry I  
CH 1114 General Chemistry II  
CH 2324 Organic Chemistry  
CH 2334 Analytical Chemistry  
ES 4544 Environmental Analysis

Ecology

The Ecology minor is intended to complement other environmental majors, and helps students develop the skills to use ecological science to address a wide range of environmental issues.

BI 1011 Field Ecology Experience  
BI 2004 Population and Community Ecology  
BI 3464 Ecosystem and Evolutionary Ecology

Two of the following:  
BI 2033 Marine Biology  
BI 2053 Systematic Botany  
BI 3133 Environmental Plant Physiology  
BI 3173 Animal Behavior  
BI 3184 Freshwater Ecology/Limnology  
BI 3233 Ichthyology  
BI 3263 Ecology of Natural Communities  
BI 3273 Mammalogy  
BI 3283 Ornithology  
BI 3323 Conservation Biology  
BI 4013 Marine Ecology

English

The English minor offers students in any program an opportunity to complement their study with a series of courses treating advanced writing and the study of literature. Students minoring in English have the opportunity to gain experience in science and nature writing, journalism, cultural theory, and literary studies.

EH 1213 Approaches to Literature  
EH 4243 Seminar: Special Topics

One of the following:  
AR 2113 Creative Writing  
EH 3213 Topics in Professional and Technical Writing  
EH 3333 Environmental Journalism

Two additional EH courses at the 2000 level or above
Environmental Policy

The Environmental Policy minor offers students an opportunity to take a short course of study in government, law, and social sciences. It allows students to pursue particular interests in these disciplines in a structured way, provides useful background for those planning to enter government service, and can serve as a basis for graduate education in law or public policy.

EITHER PL 1013 American Democracy
OR PL 2013 State and Local Government

EITHER PL 3233 Environmental Resource Law
OR PL 4313 Economic and Quantitative Analysis of Environmental Policy

PL 4413 Natural Resource Policy

Two additional courses from the following:
- EC 2013 Introduction to Economics and Economic Criticism
- PL 1013 American Democracy
- PL 2013 State and Local Government
- PL 3233 Environmental Resource Law
- PL 3413 Advocacy, Ethics and the Environment
- PL 4313 Economic and Quantitative Analysis of Environmental Policy
- SY 3183 Social Problems

Gender Studies

The minor in Gender Studies offers students an opportunity to pursue an interdisciplinary study of women and gender through the lens of issues such as ethnicity, class, sexuality, and international cultures. In addition to the introductory course, students are encouraged to take classes from a wide variety of disciplines and perspectives. The program's emphasis on service learning, workshop environments, and personal growth allows for the exchange of ideas between students and faculty; it also fosters the development of a more holistic understanding of the human experience and the ways in which we interact with the environment.

GS 1023 Introduction To Women’s Studies

Four additional GS courses (12 credits minimum) of which 3 credits must be at the 3000 level or above

Geology

Geology is literally —the study of the earth‖. A Geology minor will prepare students with knowledge of earth materials and processes that have shaped the earth and its environment through time, while introducing students to inquiry methods used by geoscientists to work on environmental problems.

GL 1003 Physical Geology
GL 1013 Weather and Climate
GL 2003 Geology of Environmental Problems
GL 3433 Soil Science
GL 3044 Surface and Groundwater Hydrology
**Horticulture**

The field of horticulture encompasses the creation and maintenance of landscapes as well as vegetable and fruit production. Horticulture is often an important component of careers in park management, forestry, and environmental policy. The minor in Horticulture features courses that bridge the division between landscape and production horticulture, as well as landscape courses which have independent projects components which allow students to follow their particular interests.

- LH 1002 Plant Health Care
- LH 1013 Sustainable Landscape Horticulture
- LH 3153 Landscape Design
- LH 3173 Plant Diseases and Insects
- LH 3363 Soil Fertility

Either LH 2323 Organic Gardening or LH 3043 Arboriculture

**Human Ecology and Sustainable Development**

A minority of Unity College students arrive with, or soon develop, an interest in human ecological sustainability, including sustainable economic systems, sustainable agriculture, and sustainable technology. Generally these are secondary interests to the student’s more specific career goal and major. This minor provides a qualification in sustainable development and human ecology to students who wish to work in nonprofit and government sustainable development and aid programs or who are simply interested in the topic. This minor is subject to change with the development of sustainability degree programs in 2008.

- BI 2004 Population and Community Ecology
- BI 3464 Ecosystem and Evolutionary Ecology
- EC 2013 Introduction to Economics and Economic Criticism
- EC 2023 Economics of Resource Conservation and Sustainability
- IC 3013 Environmental Sustainability
- IC 3113 Environmental Challenge
Natural and Cultural Heritage Interpretation

A minor in Natural and Cultural Heritage Interpretation provides special experiences and competencies for students interested in working with the public in outdoor settings. The required courses help you to understand and interpret natural, cultural, and historical places. The program can also enhance your opportunities to find meaningful employment as a guide, interpreter, educator, adventure leader, ranger, or resource manager.

HY 2103 Creative History
PR 1023 Interpretation of Natural and Cultural Heritage PR 2123 Ecotourism

EITHER
AN 3443 Researching Local Places
OR PR 4123 Interpretative Methods

EITHER
AN 1123 Cultural Anthropology
OR HY 3313 Special Themes in History

Three credits from the following
BI 2043 Dendrology
GL 1003 Physical Geology
WF 1001 North American Wildlife ID and
WF 2132 North American Wildlife

Philosophy

Whatever your major, a minor in Philosophy will help you imagine your own life's path more thoughtfully and carefully. Philosophical epistemology encourages scientists to explore the implications and limits of their knowledge. Philosophical ethics helps educators, outdoor leaders and conservation law officers consider the moral ramifications of their work with the public. Philosophy fosters skills and dispositions to complement any course of study, so people with philosophical training often advance quickly on the job because of critical thinking, problem solving, communication, and inter-personal skills.

PH 1003 Introduction to Philosophy
PH 2113 Moral Communication
PH 3313 Special Topics in Philosophy
PH 3323 Philosophy and Literature
PL 3413 Advocacy, Ethics and the Environment
Psychology

The Unity College minor in Psychology is designed to provide interested students with a broad overview of topics and domains within the field of psychology. The science of psychology is a rich complement to a variety of liberal arts and professional degree programs. The psychology minor will introduce students to theoretical concepts, research methodologies, and practical applications within the diverse field of psychology. The program will allow students the opportunity to support their major field of study by increasing their understanding of human behavior and by enhancing their credentials for prospective employers in the human service field or for pursuing graduate studies.

EITHER PY 1003 Introduction to Psychology for Teaching and Learning
OR PY 1013 Introduction to Psychology

EITHER PY 2113 Group Process
OR PY 3013 Human Sexuality

PY 2013 Human Development
PY 3123 Educational Psychology
PY 3133 Abnormal Psychology

Studio Arts

The Studio Arts minor offers students an opportunity to complement their studies with a series of courses in the production and history of art. Students minoring in studio art will investigate two and three-dimensional media as they relate to contemporary and historical art practices.

AR 1013 Fundamental Drawing
AR 3133 Topics in Art History

One of the Following:
  AR 1023 Basic Pottery
  AR 2033 Fundamental Sculpture

Six additional credits from AR courses at the 2000 level or above, (except AR 2003 and AR 2113)
OR
Three additional credits from AR courses at the 2000 level or above, (except AR 2003 and AR 2113) and LH 3153 Landscape Design.
Wildlife

This minor provides the interested student with an understanding of the broad field of wildlife. It is intended as an educational compliment to other environmental majors, but does not by itself qualify the student for a wildlife career.

- BI 1114 Biological Processes: Evolution and Ecology
- BI 1124 Biological Processes: Cell and Organism Function
- BI 2004 Population and Community Ecology
- WF 1001 North American Wildlife Identification
- WF 2132 North American Wildlife
- WF 2433 Wildlife Techniques
- WF 4613 Wildlife Ecology and Management
- Three additional credits in Biology (BI) at the 3000 level or above.

Zoology

In this minor students will investigate the behavior, ecology and physiology of animals. Students will then focus on an aspect of animal biology that fascinates them. It could be a particular type of animal, such as ornithology, or it could be an interest in how animals work, such as cell biology or genetics.

- BI 2004 Population and Community Ecology
- BI 3173 Animal Behavior
- BI 3254 Comparative Animal Physiology

Six credits from the following:
- AF 2112 Gross and Microscopic Anatomy of Fish
- AF 3313 Applied Fish Physiology
- BI 2033 Marine Biology
- BI 2303 Cell Biology
- BI 3233 Ichthyology
- BI 3243 Genetics
- BI 3273 Mammalogy
- BI 3283 Ornithology
- WF 1001 North American Wildlife Identification
- WF 2132 North American Wildlife
Course Descriptions

Administrative Science

AS 3133 Business Management
This course covers the basic techniques for the management and analysis of small business operations, including the use of profit and loss statements, balance sheets, cash flow analysis, and break-even analysis. Also covered will be the problems of starting a new business and the development of general business strategies, business organization, and accounting techniques for payroll, inventories, cash management, and cost control.
Credits: 3  Offered Semester I
Prerequisites: Junior status  alternate years even

AS 4123 Sustainable Enterprise
This is a problem-based learning course in sustainable enterprises. The concepts and ideas learned apply to both for-profit and non-profit enterprises. Students first learn the basics of small business start-up and operation, specifically: the business model and business plan, the market niche and marketing (with specific attention to the problems of premium market companies), regulatory and taxation compliance, accounting and reporting, including green accounts, management operations, personnel management, and general business-problem solving. The class then turns to local and regional green business case studies. Problems are drawn from areas such as alternative energy systems, energy efficiency, agriculture, horticulture, aquaculture, forestry, food services, local products, and ecotourism. Problems challenge students to examine and solve is-sues of finance, production, marketing, and quality control in real world situations.
Credits: 3  Offered Semester II
Prerequisites: AS 3133 and Junior Status

Adventure Education

AE 1003 Physical Fitness and Wellness
This course is designed to introduce students to components of lifetime fitness and wellness. Fitness components include assessment in the following areas: cardiovascular endurance, muscular strength and endurance, flexibility, and body composition. Individual testing will be performed in each area. Students will design a personalized fitness plan based on results of testing. Wellness components will cover nutrition, cardiovascular disease and cancer prevention, stress management, and substance abuse. These components will be taught through lecture, self assessment, and professional speakers.
Credits: 3  Offered Semester II
Prerequisites: None

AE 1012 Rock Climbing
This 8 week course covers fundamentals of rock climbing. Students will work on the indoor climbing wall and outdoor cliffs learning belaying techniques, construction of anchor and safety systems, and movement skills. Students will participate in two single day climbing trips to be held on Saturdays or Sundays, scheduled in appropriate weather and at an appropriate time within the course structure.
Credits: 2  Offered Semester I
Prerequisites: None
AE 1022 Wilderness Camping and Travel
There will be both a canoe tripping and a backpacking section to this course. Each section will have its own trip. Students will analyze the basic wilderness skills that are common to these activities (nutrition and food concerns, equipment selection and use, hazards, Leave No Trace skills, group management skills and trip-planning) as well as those skills and techniques unique to each activity (load carrying and movement on steep terrain etc. in backpacking and paddling skills, etc. in canoe tripping).
Credits: 2
Offered Semester I
Prerequisites: Concurrent OBWS Enrollment

AE 1042 Beginning Cross Country Skiing
This 8 week course is an introduction to cross country skiing and to basic winter hazards and survival. Special emphasis is on general preparedness for a winter environment. Topics include clothing and equipment, flat track techniques, techniques for skiing uphill and downhill, hypothermia and frostbite, avalanche, emergency shelters, and group safety awareness. This course is a combination of classroom and field experiences that will take place on three weekend days during the semester.
Credits: 2
Offered Semester II
Prerequisites: None

AE 1051 Sea Kayaking
This 4 week course is an introduction to sea kayaking. Students will learn the basics of equipment, proper packing techniques, strokes, and ocean navigation in a flat water setting. Upon demonstration of adequate skills, the course will move to the ocean where students will spend a two day weekend sea kayaking.
Credits: 1
Offered Semester I
Prerequisites: None
Fee $150.00

AE 108X Intermediate Outdoor Skills
This course offers alternative skills based educational experiences for students interested in adventure education. Topics proposed will be deemed to be of special interest to students. Potential topics include caving, sailing, mountain biking, winter camping or survival, canoe instructor certification, ice climbing, river or rock rescue, and trail construction. The course may be 1 to 3 credits depending on the topic. Depending on qualifications, topics could be taught by student leaders.
Credits: 1-3
Offered by arrangement
Prerequisites: None

AE 2003 Outdoor Adventure Education
The purpose of this course is to engage students in the breadth, depth, and scope of outdoor recreation and adventure education. Potential topics include the history and philosophy of adventure education/outdoor recreation; components of leadership; skills, competencies, and qualifications of the outdoor recreation professional; the basics trip planning; professional organizations. Includes a weekend field trip led by students from the Leadership class. May include other field trips.
Credits: 3
Offered Semester II
Prerequisites: None

AE 2043 Universal Programming in Adventure Education and Recreation
This course is designed to acquaint students with developmental disabilities. Students will learn characteristics of specific disabilities and appropriate activities and procedure for including all populations in outdoor adventure activities. The class will include historical, theoretical and philosophical perspectives concerning the inclusion of all populations in all aspects of society. In lab sessions, students will work with people with disabilities in an outdoor education and recreation setting.
Credits: 3
Offered Semester II
Prerequisites: None
AE 2062 Whitewater Canoeing
This 7 week course covers the skills necessary for canoeing on whitewater. Topics include equipment, clothing selection, safety factors, strokes, river reading, self-rescue and basic rescue, and group management. The course also includes a weekend whitewater canoeing field trip.
Credits: 2  Offered Semester I
Prerequisites: None

AE 208X Advanced Outdoor Skills
This course offers alternative skills based educational experiences for students interested in adventure education. Topics proposed will be of special interest to students. Potential topics include caving, sailing, mountain biking, winter camping or survival, canoe instructor certification, river or rock rescue, Leave No Trace (LNT) certification, or trail construction. This course may be 1 to 3 credits. Depending on qualifications, topics could be taught by student leaders.
Credits: 1-3  Offered by arrangement
Prerequisites: None

AE 2122 Intermediate Rock Climbing
Intermediate rock climbing assumes prior introductory knowledge of top-rope anchor construction as well as the basics of belaying and knot tying. The course will focus on top-rope climbing systems and site management, learning to place rock protection, support lead climbers as a second, and cover beginning leading skills. Students will gain experience in face and crack climbing, placing protection, anchoring, and moving efficiently as a team member on multi-pitch climbs, and getting down again. The course covers risk management and limitations of climbing systems. This course is for climbers with basic climbing skills gained on small cliffs to become effective and safe leaders of beginner groups.
Credits: 2  Offered Semester I
Prerequisites: AE 1012 or consent  Alternate years odd

AE 2132 Winter Mountaineering
Winter mountaineering teaches basic technical climbing skills in a winter environment. Skills covered include snow and ice travel, winter anchor and belaying systems. Part of the course uses ice climbing to focus on learning and being comfortable with climbing systems, climbing movement, and the winter environment. The course is meant for students with prior knowledge of basic anchor construction, belaying, and movement skills gained in other courses or through recreational climbing, who are ready to move to the next level. Prior ice climbing experience is not required. Topics include clothing selection, physical conditioning, the nature of ice, ice climbing movement and protection skills as well as avalanches and the alpine environment.
Credits: 2  Offered Semester II
Prerequisites: AE 1012 or consent  Alternate years odd

AE 2184 Introduction to Challenge Courses
This course is designed to teach students the techniques involved in facilitating low and high challenge courses. Students will experience a variety of activities including new games, initiatives, and the high and low challenge courses. Topics will include the use, care and maintenance of challenge course apparatus, safety techniques, and sequencing of activities. Skill development in the areas of facilitation and debriefing will be stressed. Students plan, conduct and evaluate either a high or low Challenge Course experience during this course.
Credits: 4  Offered Semester II
Prerequisites: Sophomore status

AE 2213 Wilderness Expeditionary Skills
This is a leadership-related course with a focus on developing outdoor skills related to living in and traveling through the backcountry in winter and spring. Students will learn techniques of planning, organizing, and leading backcountry trips. Specific skills include trip planning, menu planning, expedition behavior, outdoor cookery, selection of gear and clothing, winter camping and travel, campsite management, emergency response and advanced navigation.
Credits: 3  Offered Semester I
Prerequisites: Concurrent OBWS enrollment
AE 308X Trip Leadership
This course is designed for students with appropriate qualifications to arrange, under the supervision of a faculty member, to assist in leading trips. Typically, students work as assistant instructors in courses such as Wilderness Camping and Travel, Rockclimbing, Whitewater Canoeing and others. This course is repeatable with a different topic.
Credits: 1-2 Offered by arrangement
Prerequisites: Consent of instructor

AE 314X Expeditionary Experience
In this course students may work with faculty to plan and carry out an extended expedition involving outdoor pursuits such as backpacking, paddling, mountaineering, etc., throughout the world. Students will be required to complete an application process to join the expedition team. Faculty and students will meet as needed, to plan and implement the expedition. This course may be used to fulfill the Leadership Skills component of the Adventure Education Leadership program.
Credits: 1-4 Offered by arrangement
Prerequisites: Consent of instructor

AE 3204 Leadership
This course is designed to examine the theories, principles, and practices of leadership in a wilderness environment. Experience from the pre-course trip and from personal trip leading experience is used as a basis for understanding leadership theory. Students will be expected to be involved in leading trips, or equivalent experience. The course will begin with a 6–10 day experience in August.
Credits: 4 Offered Semester I
Prerequisites: AE 2003, AE 2213, PY 2113
Fee: $200

AE 3233 Adventure Therapy Programs
This course is designed to introduce students to outdoor programs that deal with people with psychological disabilities. Students will learn the characteristics of certain disabilities and will examine various therapeutic wilderness programs developed to work with specific groups, such as people who have been abused, who have post traumatic stress disorder, or who are patients in psychiatric hospitals. The course will include a section on professional ethics.
Credits: 3 Offered Semester I
Prerequisites: PY 2113, AE 2184 Alternate years even

AE 4223 Counseling Theories for Wilderness Programming
This course presents the basic issues of counseling in a wilderness setting with its limitations and potentials. Students will be introduced to therapeutic counseling models: Reality Therapy, Person-Centered Therapy, and a trans-theoretical model for wilderness-based counseling. The course is a combination of theory, application and practice in which the students will be introduced to the philosophy and concepts of counseling in a wilderness setting as well as developing skills in each of the specific models mentioned above. This course will include a section on professional ethics in counseling.
Credits: 3 Offered Semester II Alternate years even
Prerequisites: PY 1003 or PY 1013

AE 4403 Theoretical Perspectives of Outdoor Adventure Recreation and Education
This course covers topics including, but not limited to, the theory, history or philosophy of experiential education, of challenge or adventure education, of recreation and outdoor adventure recreation; the professionalism of outdoor adventure recreation/education; psychological/sociological aspects of outdoor recreation research issues and current issues in the profession. Students are expected each week to read articles or book chapters, and to be able to discuss the topics. Students will also be expected to write expository or analysis/synthesis papers of varying lengths and perhaps to give an oral presentation. Students may be asked to make a presentation at, or to attend, a professional conference or other professional meeting.
Anthropology

AN 1123 Cultural Anthropology
This is a study of culture as a human creation: its origins, development or evolution, and possible future. The course covers the range of variation in human life-styles and basic cultural similarities. There will be an examination of selected tribal, peasant, and industrial cultures, with an emphasis on how biological, cultural, and ecological factors shape them. Comparative technology, kinship, social structure, religion, magic, art, economics, cultural change, and applied anthropology will be discussed.

Credits: 3  
Prerequisites: Junior status  
Offered Semester II  
Alternate years even

AN 2033 North American Indians
This course discusses the past and present conditions of Native Americans north of Mexico. Their physical and archaeological origins and linguistic affiliations will be discussed. Selected descriptions of several tribes, histories and present situations, white myths and Indian realities, Native American magic, religion and spirituality, land claims; pan-Indianism, and politics are also included in this course.

Credits: 3  
Prerequisites: LR 1013  
Offered Semester I  
Alternate years even

AN 3003 A Sense of Place as a Write of Passage
This course is designed to develop in the individual a sense of place through journaling and experiencing close ties with the natural world, both vicariously through literature and first-hand through experiential exercises.

Credits: 3  
Prerequisites: IC 1111 or IC 1113 and consent  
Offered Semester II  
Alternate years odd

AN 3443 Researching Local Places
In this course students gain hands-on experience using the techniques of archaeology, oral history, archival research and naturalist studies to create new information about local landscapes and heritages. Student researchers explore local natural and cultural ecosystems, discover local knowledge and wisdom, and use their research results to create new understandings and meanings. While the research experiences are limited to local sites and people, the methods learned can be applied locally anywhere.

Credits: 3  
Prerequisites: Junior status or consent  
Offered Semester I  
Alternate years even

Aquaculture and Fisheries

AF 1003 International Aquaculture
A survey course designed to introduce students to the wide diversity of aquatic organisms cultured for food, sport, and ornamental value. We will study aquaculture systems from different parts of the world and discuss some of the current research trends in the field.

Credits: 3  
Prerequisites: None  
Offered Semester I

AF 2111 Systems Management in Aquaculture
This is a course intended for familiarizing students in the aquaculture major with large-scale aquaculture systems, particularly the complex day-to-day operations. There will be no prescribed textbook; instead seventy-five percent of the course...
will be taught by technical experts in the field of aquaculture. The method of delivery will be in the form of guest lectures.

Credits: 1
Prerequisites: AF 1003

**AF 2112 Gross and Microscopic Anatomy of Fish**

External anatomy, organs, and major systems of important fish species. These systems will also be dealt with at the cellular level. This course provides the basic background for both Fish Disease/Pathology and Applied Fish Physiology.

Credits: 2
Prerequisites: BI 1114

**AF 3114 Principles of Aquaculture**

The mechanics of controlling biological and physical environment of aquatic organisms at the mass production scale is the subject matter covered in this course. Computer simulations of pond-stockling levels and feeding schedules as well as exercises in designing and siting hatchery and rearing facilities will be discussed in lecture and laboratory meetings. Two one-day field trips are planned.

Credits: 4
Prerequisites: BI 1114, BI 1124, AF 1003

**AF 3313 Applied Fish Physiology**

The physiological basis for control and manipulation of fish reproduction and growth will be examined in this course. Lectures will briefly examine the hormone and enzyme systems of various fish families as they occur in a natural setting and develop in detail an understanding of the role these systems play in successful aquaculture. The use of diet additives, manipulated photoperiods, and hormone-induced spawning will be some of the topics discussed.

Credits: 3
Prerequisites: AF 2112 and either BI 3233 or BI 3254

**AF 3324 Fisheries Science and Techniques**

Successful fish management is based on careful evaluation of fish populations. This course is designed to teach the methods of fish assessment, from sampling of individuals to evaluation of stock characteristics. Students will learn to use a variety of sampling gear and will become familiar with the analytical techniques of sample collection and processing. The second half of the course is devoted to fishery science, which means using the data collected to assess fish populations. Freshwater and marine fisheries are discussed, as well as the problems of both commercial and recreational fisheries. Laboratories emphasize fish collection, sample processing, and research planning. Long day trips can be expected. Two weekend trips will be planned.

Credits: 4
Prerequisites: EH 1113, BI 1114, BI 1124, CS 1222 or CS 1232, MA 2243 and Junior status

**Art**

**AR 1013 Fundamental Drawing**

The course develops the process of drawing from reality, stressing both skill and individual expression by exploring volume, space, form, value, and materials.

Credits: 3
Prerequisites: None

**AR 1023 Basic Pottery**

Basic pottery is a hands-on studio class using clay as a means of expressing the self in the environment. A variety of hand building, wheel forming, surface finishing, glazing and firing techniques will be explored. At the same time, how artisans in
other times and other cultures used clay and how the objects they made functioned in their respective societies will be considered.

Credits: 3
Prerequisites: None

**AR 2003 Introduction to Drama**
This course will investigate the drama as literature and as theatrical production, with special emphasis on the great periods of Western theatre. Representative plays from ancient Greek to modern times, including Japanese Noh plays, will be read and discussed in terms of production characteristics. Various methods of play production, stagecraft, costuming, lighting, etc. will be studied. Trips to theatre productions will be a required part of the course.

Credits: 3
Prerequisites: None

**AR 2013 Fundamental Painting**
An introductory course designed to establish a working familiarity with traditional forms of oil painting. The semester will be based on painting from actual conditions. How to see and interpret color and form through practical problems of methods and skills.

Credits: 3
Prerequisites: None

**AR 2023 Black and White Photography**
This introductory course focuses on teaching basic camera use, exposure, film and print chemistry, darkroom techniques, and drymounting. Special attention will be devoted to learning how to ―see‖ qualities of light and composition photographically. Students should be prepared to supply their own 35mm camera and film.

Credits: 3
Prerequisites: None

**AR 2033 Fundamental Sculpture**
This course explores the texture, forms, and substance of a variety of traditional and nontraditional materials. Strong emphasis is placed on concepts of three-dimensional design and how sculpture relates to the history of ideas.

Credits: 3
Prerequisites: None

**AR 2103 Subjects in Art:**
There are many modes of making and understanding art in contemporary society. This course offers students the opportunity to engage a specific set of skills and subjects within the broad conversation of studio art. The course subject will change from year to year in response to student and instructor interest. The subjects to be addressed may be: Public Art, Art and Science, Art and the Environment, Printmaking, Watercolor, and others that may occur. This course may be retaken for credit under a different subject.

Credits: 3
Prerequisites: As dictated by subject.
Fee: Varies from $0-$75

**AR 2113 Creative Writing**
In this experiential course, students improve their use of creative writing techniques including: metaphor, characterization, and voice, while exploring innovations in form and the writing process. Emphasis will be placed on revision and fostering a productive workshop environment. Topics for this course might include: sense of place, songwriting, or specific genres such as poetry, drama, and the short story. This course may be repeated for credit if a student chooses a different topic.

Credits: 3
Prerequisites: EH 1113

**AR 3033 Environmental Photography**
This is a project oriented course which may include nature and wildlife photography, but also may focus on photo documentation of environmental problems or projects, landscape portraiture, or social aspects of environmental issues.

Credits: 3  Offered Semester II
Prerequisites: AR 2023  Alternate years odd

AR 3133 Topics in Art History
This course explores the major ideas of expression as they developed chronologically from prehistoric to modern times. Ideas are not treated as entities but rather as products of their interrelated political, social, economic and religious environments. Emphasis is placed not on learning the truth but on learning what people in the past believed to be true, since those beliefs usually motivated acts traditionally regarded as history.

Credits: 3  Offered Semester II
Prerequisites: EH 1113  Alternate years odd

AR 3213 Advanced Drawing
This course builds on the skills developed in Fundamental Drawing continuing to stress both technical skill and individual expression. The emphasis will be on the figure, perspective and developing a sustained drawing.

Credits: 3  Offered Semester II
Prerequisites: AR 1013  Alternate years odd

Biology

BI 1001 Introduction to Marine Science
In this course students will investigate the breadth of fields that comprise marine science and how each of these fields applies the scientific method. Methods of investigation will include weekend field trips, guest lectures and projects and will expose the student to current "hot topics" in the field.

Credits: 1  Offered Semester I
Prerequisites: None

BI 1011 Field Ecology Experience
This course is designed to provide hands-on field research experiences. Students will be introduced to quantitative field science methodology, regional natural history, current research issues, and will participate in data collection for ongoing research projects in the Unity area. The ecological concepts that underlie modern questions in population and community ecology will be explored through discussions, readings and speakers. Conducting regional ecological service-learning projects are a major component of this course.

Credits: 1  Offered Semester I
Prerequisites: None

BI 1114 Biological Processes: Evolution and Ecology
Events today present scientists with a wide range of environmental challenges, such as climate change, vanishing species, and dwindling water supplies. This course focuses on solving problems and experiencing the natural world. Students will engage in scientific inquiry, gain a clear sense of the nature and process of science, use quantitative information, develop professional communication skills, and appreciate the role of natural history in science. Topics will include the study of DNA and inheritance, the evolution of life, systematics and classification, matter and energy transfer through ecosystems, and ecological connections, made relevant through the study of current environmental issues.

Credits: 4  Offered Semester I and II
Prerequisites: EH 1113 or concurrent enrollment

BI 1124 Biological Processes: Cell and Organism Function
This course provides an inquiry-based approach to the exploration of biology from cells to organisms. Students will study
biological processes underlying current issues in biology. Topics will include the chemistry essential to life, cell structure and reproduction, photosynthesis and respiration, and physiology of multicellular organisms. In the context of these topics, student will use essential laboratory techniques, observation skills, quantitative analyses, and professional scientific communication to engage in scientific inquiry.

Credits: 4
Prerequisites: BI 1114

**BI 2004 Population and Community Ecology**
This course will provide an overview of modern ecology: the patterns and processes operating in populations and communities. The first part of the course will focus on demographic characteristics of populations and simple models of population growth and natural regulation. The second part of the course will concentrate on discussions of community structure. Topics include competition, predation, species diversity, niches, disturbance succession, island biogeography, and conservation. Students will also learn quantitative methods, field techniques, and conduct independent research projects.

Credits: 4
Prerequisites: BI 1114

**BI 2004 Population and Community Ecology**

**BI 2033 Marine Biology**
Marine Biology is the study of life in the sea. Text materials in the course emphasize the nature of the ocean environment, the origin and development of life in the sea, principles of productivity, benthic and pelagic life forms, and food from the sea. Laboratories offer a comprehensive introduction to marine ecosystems and ecological relationships. Groups covered include plankton, algae and seaweeds, invertebrates, fishes, seabirds, and marine mammals. Field trips to rock shores, salt marshes, and other coastal sites are included. One weekend field trip will be scheduled.

Credits: 3
Prerequisites: BI 1114, BI 1124

**BI 2043 Dendrology**
Dendrology is the study of woody plants. This course introduces the identification, nomenclature, and ecology of woody plants of New England. Students will become proficient at identifying native trees and shrubs by learning the use of a key and by learning field recognition characteristics of the plants.

Credits: 3
Prerequisites: None

**BI 2053 Systematic Botany**
This course emphasizes vascular plants and includes classification and nomenclature principles, evolutionary principles and processes as they relate to systematics (speciation mechanisms, fossil record, etc.), a survey of plant families and geographic distribution. In lab, students will learn family recognition and practice species identification through use of keys. A herbarium collection will be required of each student.

Credits: 3
Prerequisites: BI 1114, BI 1124

**BI 2063 Agroecology**
All agricultural systems are ecosystems, and their management is fundamentally an ecological activity. This course will introduce students to the science of ecology as applied to agricultural systems, and train students to use ecological concepts as guiding principles in designing and managing agricultural systems. The course will have both lecture and laboratory components.

Credits: 3
Prerequisites: None

**BI 2303 Cell Biology**
This course investigates the structure and function of eukaryotic cells. We will emphasize the structure and function of
cellular components including cell walls, cell membranes, cell junctions, chloroplasts, mitochondria, nuclei, cellular matrix and the cytoskeleton. We will also investigate methods of cellular metabolism, reproduction and the origins of life.

Credits: 3  Offered Semester I
Prerequisites: BI 1114, BI 1124

**BI 3003 Research Methods and Design**

This course is an introduction to research methods in the sciences. Its goals are to improve your ability to evaluate research conducted and reported by others and to provide you with the basic skills needed to design, conduct and analyze your own research project. Literature search, review and critique, logic of studying comparatively, development of hypotheses, experimental and non-experimental design, data development and analysis, presentation of results, and manuscript preparation will be addressed. Senior Thesis I students will complete a project proposal.

Credits: 3  Offered Semester II
Prerequisites: Junior status, MA 2243

**BI 3133 Environmental Plant Physiology**

Plant physiology examines the processes of growth, development, and reproduction in vascular plants, asking "How do plants work? and How do plants fit into their environments?" Viewing physiology from the whole-plant (as opposed to cellular) level, the course will cover basic physiology, anatomy as it relates to physiology, and will emphasize the plant's relation to its environment throughout. Topics will include carbon balance (photosynthesis and respiration), water relations, mineral nutrition, growth and reproductive processes, plus responses to environmental stress or pollution. The labs will include experiments on photosynthesis, respiration, germination, and hormonal responses, and observation of plant growth under different environmental conditions.

Credits: 3  Offered Semester II
Prerequisites: BI 1114, BI 1124, CH 1104, or consent

**BI 3173 Animal Behavior**

This course deals with the study of genetics, physiology, and ecology of animal behavior in an evolutionary context. Behavioral adaptations are discussed with particular reference to their ecological significance.

Credits: 3  Offered Semester II
Prerequisites: BI 1114, BI 1124

**BI 3184 Freshwater Ecology/Limnology**

Freshwater ecology/limnology entails the study of aquatic organisms in relation to the environmental conditions of lakes and streams. Lotic and lentic waters will be characterized and contrasted. The physical, chemical, and biotic components of these systems will be dealt with in detail in the lectures. Laboratory exercises will be oriented toward the identification of the biota and water chemistry.

Credits: 4  Offered Semester I
Prerequisites: BI 1114, BI 1124 and either BI 2004 or GL 2003

**BI 3233 Ichthyology**

The course deals with the morphology, physiology, and ecology of freshwater marine fishes. Structure and function, evolution, and behavior of fish are all discussed in the framework of adaptation to the environment. Laboratories offer the opportunity to examine fish morphology and behavior at close range. Two weekend field trips are planned.

Credits: 3  Offered Semester II
Prerequisites: BI 1114, BI 1124

**BI 3243 General Genetics**

Genetics is the science that examines the nature of the "blueprint" of genes as well as the mechanism from which the "blueprint" is transmitted from generation to generation. Emphasis is placed upon higher organisms. Mendelian genetics is reviewed along with such modifications as linkage, sex linkage, and inheritance of sex and linkage. Emphasis is placed on
the exploration of quantitative inheritance and population genetics, topics important to majors in the environmental sciences. 

Credits: 3 Offered Semester II

Prerequisites: BI 1114, BI 1124, MA 2243 and Junior status

BI 3253 Invertebrate Zoology
In this course the diversity of invertebrate groups will be examined, and the evolutionary trends, which they illustrate, investigated. Highlighted groups will include sponges, annelids, mollusks, arthropods and echinoderms. Patterns in the development, ecology and evolution of these organisms will be investigated.

Credits: 3 Offered Semester II

Prerequisites: BI 1114, BI 1124

BI 3254 Comparative Animal Physiology
By comparing different animals and how they function in different environments, you will develop an understanding of the underlying principles of physiology. You will investigate such physiological processes as digestion, respiration, circulation, muscle and nerve function, ion regulation, and energetics. You will also determine how these processes are specialized in different animals.

Credits: 4 Offered Semester II

Prerequisites: BI 1114, BI 1124

BI 3263 Ecology of Natural Communities: Theme Based
This course will examine themes in the relationship between organisms and the environment. Students may study the natural history, ecology, geology, and plant and animal adaptations in different habitats, or focus on the ecology of a specific taxonomic group. Examples include courses in Desert Ecology, Winter Ecology, Insect Ecology, Alpine Ecology, Tropical Ecology, etc. This course will involve extensive reading and writing activities, and may involve mandatory field trips to the habitat under study. This course may be repeated for credit, providing the topic is not repeated. For each offering, supplementary course descriptions detailing the topic offered by individual instructors will be published in the course schedule.

Credits: 3 Offered Semester I or II

Prerequisites: BI 2004 and others as dictated by topic

BI 3273 Mammalogy
This course examines the anatomy, physiology, behavior, and ecology of mammals with emphasis on the adaptability of each feature. Classification, museum specimen preparation, and field/laboratory experimentation are stressed in laboratory.

Credits: 3 Offered Semester I

Prerequisites: BI 1114, BI 1124

BI 3283 Ornithology
Birds and their adaptations to flight have intrigued humans throughout history. This course focuses on the physiological and structural adaptations that have allowed birds to be successful in their various environments. Some time is devoted to avian evolution, reproduction, and ecology. The laboratory reinforces selected lecture topics and visual identification of regional birds.

Credits: 3 Offered Semester II

Prerequisites: BI 1114, BI 1124 and Junior Status

BI 3323 Conservation Biology
Conservation Biology examines the diversity of organisms. This course examines the theory and practice of nature conservation, preservation, restoration, and management. Conservation Biology stresses management of ecosystems and habitats to carry out population conservation. Specific concepts include the conservation implications of minimum viable populations, extinction and recolonization processes, habitat fragmentation and conservation areas.

Credits: 3 Offered Semester II

Prerequisites: BI 2004
**BI 3464 Ecosystem and Evolutionary Ecology**
This course is designed to provide junior and senior students with a broad understanding of the science of both ecosystems and evolutionary ecology. The study of ecosystem integrates physics, chemistry and biology to provide the necessary information to understand controls on photosynthesis, decomposition, and nutrient cycling across diverse terrestrial and aquatic landscapes. The topics in evolution include the study of evolutionary theory, mechanisms of evolution, basic models of population genetics, and the study of how selection and other processes operate on phenotypic variation to produce adaptations. The course also discusses approaches used to study the evolution of behavior, including foraging, patch selection, mating systems and sociality. Throughout the semester emphasis is placed on the importance of ecologists in conservation. Topics will include loss of biological diversity, habitat fragmentation, and climate change.

Credits: 4  Offered Semester II  
Prerequisites: MA 2243, BI 2004

**BI 3654 Microbiology**
Microorganisms are a vital, but mostly unseen, component of the environment in which we live. They cause most serious diseases of higher organisms, and are primarily responsible for recycling of dead organic materials into basic chemical components that can be reused by subsequent generations. Since microorganisms can only be seen and handled in special ways, emphasis is placed not only on their life histories and peculiarities, but also upon methods of observing and handling them. Some aspects of genetic analysis, peculiar to certain organisms, are considered as well.

Credits: 4  Offered Semester II  
Prerequisites: BI 1114, BI 1124, CH 1104  
Alternate years odd

**BI 4013 Marine Ecology**
In this advanced course, material covered in BI 2033 Marine Biology, BI 3253 Invertebrate Zoology, and ES 3013 Oceanography will be synthesized to allow us to understand the ecological relationships of marine organisms within their environment. **This course fulfills the academic field experience required in the disciplinary core of courses.**

Credits: 3  Offered May Session  
Prerequisites: Junior Status  
Fee: $600-$1500

**BI 4323 Themes in Marine Macrovertebrate Biology**
In this thematic course, the biology of whales, sea turtles, dolphins, sharks and other marine macrovertebrates may be covered. Topics will include their physiological adaptations to marine life and their ecological role(s) within their ecosystems. This course may be repeated for credit with a different topic.

Credits: 3  Offered Semester II  
Prerequisites: BI 2033  
Alternate years even

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**Chemistry**

**CH 1104 General Chemistry I**
The first part of a two-semester course designed to provide an introduction to the nature and properties of matter at the atomic and molecular level. Topics covered will include chemical problem solving, measurement, significant figures, components of matter, aqueous solutions, origin of atoms, structure of atoms, structure and reactivity of molecules, and chemical reactions.

Credits: 4  Offered Semester I  
Prerequisites: MA 1223 or concurrent enrollment

**CH 1114 General Chemistry II**
The second part of a two-semester course designed to provide an introduction to the nature and properties of matter at the atomic and molecular level. Topics covered will include thermodynamics (enthalpy and entropy), chemical equilibrium,
Acid-base chemistry, electrochemistry, and chemical kinetics.

Credits: 4  Offered Semester II
Prerequisites: CH 1104

CH 2324 Organic Chemistry
This class focuses on the diverse chemistry of carbon compounds, with emphasis on those of importance in the biological and environmental sciences. The laboratory will consist of the synthesis and characterization of a wide variety of organic compounds.

Credits: 4  Offered Semester II
Prerequisites: CH 1114  Alternate years odd

CH 2334 Analytical Chemistry
Introduction to the separation and quantitative estimation of inorganic and organic materials. Class work will stress stoichiometry and statistical analysis in analytical chemistry, as well as description and theory of analytical techniques. Laboratory will include a variety of titrimetric methods, some optical methods, and separation by chromatographic techniques.

Credits: 4  Offered Semester II
Prerequisites: CH 1114  Alternate years even

Computer Science

CS 1222 Introduction to Computers
This course introduces Microsoft Windows-based computers, and the application software categories of word processing, spreadsheet, database and presentation. The emphasis of this class is on the concepts and hands-on teaching of computing and problem solving. The internet, as well as e-mail etiquette, web browsers, web search, and desktop operating systems will also be introduced. Networking, telecommunications, computer ethics, computer-related careers, and the history of the computer are also covered. Concepts and procedures will be introduced and discussed in the lecture prior to the hands-on lab where students apply learned skills.

Credits: 2  Offered Semester I and II
Prerequisites: None

CS 1232 Foundations of Computing: Web-based
This course introduces software for Microsoft Windows-based computers for word processing, spreadsheet, database and presentation applications. The course emphasizes concepts and hands-on computation and problem solving using Performance-Based Training and Assessment Modules. All test and training modules will be available only during regularly scheduled class hours. Students must have prior knowledge and skills in software applications to enroll in this class.

Credits: 2  Offered Semester I and II
Prerequisites: None

CS 2233 Web Design and Student Digital Portfolios
This class will deal with the internet's history while introducing many tools for the internet. Students will learn to define buzzwords, get the most out of time-on-line, and construct web pages with HTML (Hypertext Markup Language). Each student will design a digital portfolio including a collection of their own work exhibiting the student's academic efforts, self-reflection, progress and achievements. Students will collect and organize different media types using hypertext links.

Credits: 3  Offered Semester I
Prerequisites: CS 1222  Alternate years even

CS 3133 Desktop Geographic Information Systems
This course presents the concepts upon which Geographic Information System technology is based. Conceptual overview and hands-on experience of advanced display, analysis, and presentation mapping functions are introduced. To become a successful GIS software user, student will use ArcGIS to symbolize and label maps, classify data, query maps, analyze spatial relationships, set map projections, build spatial database, edit data, geocode address, and make map layouts. Lectures and labs include the components of the graphical user interface and learn how GIS documents are used to display and query different kinds of spatial information.

Credits: 3  Offered Semester I
Prerequisites: CS 1222 or CS 1232

Conservation Law Enforcement

CL 1003 Introduction to Criminal Justice
This course provides an introduction to the components and processes of the criminal justice system in the United States. Topics include history, structure, function, and philosophy of our system of justice and how it integrates into everyday life in our society. Students will discuss our justice system’s historic English roots, the evolution of American law, and a variety of law enforcement agencies, including their distinctive operational characteristics. Particular attention will be given to conservation officers and their specialized role in resource protection.

Credits: 3  Offered Semester II
Prerequisites: None

CL 1013 Introduction to Conservation Law Enforcement
This course is an overview of the conservation law enforcement profession. The dual role of the modern conservation officer as law enforcement officer and protector of our natural resources is stressed. A wide variety of professional roles are examined, including game warden, park ranger, forest ranger, environmental enforcement officer and marine law enforcement officer. Laboratory sessions focus on applied skills such as map and compass use, outdoor survival, and search and rescue techniques.

Credits: 3  Offered Semester I
Prerequisites: None

CL 2001 Firearms Training
This course covers the handling, use, and maintenance of firearms by law enforcement officers. Loading techniques, cleaning methods, and inspection procedures of service weapons used by law enforcement agencies will also be covered. Students will receive range experience and qualify on a police firing range (using State of Maine standards) with each weapon. Firearm safety will be stressed throughout the course along with State of Maine laws on liability, personal responsibility, gun control, concealed weapons, and self-defense.

Credits: 1  Offered Semester I and II
Prerequisites: Sophomore status

CL 2033 Marine Law Enforcement
This course covers the history, evolution, principles and contemporary applications of marine law enforcement operations including specialized federal and state agencies. Topics include sources of substantive law, classification of crimes, parties to crime, elements of crimes, matters of criminal responsibility, commercial and recreational violations, environmental issues and other related topics. Upon completion, students should be able to discuss the sources of law and identity, interpret, and apply the appropriate statutes, codes and elements.

Credits: 3  Offered Semester I
Prerequisites: CL 1003 and Sophomore status  Alternate years odd

CL 2113 Wildlife Law Enforcement
This course covers the history, evolution, principles and contemporary applications of wildlife law and variations of con-
servation wildlife law enforcement including specialized applications found in the National Park Service and United States Fish and Wildlife Service. Topics include sources of substantive law, classification of crimes, parties to crime, elements of crimes, matter of criminal responsibility, custom crime, commercial and recreational violations, environmental issues, illegal trade and other related topics. Upon completion, students should be able to discuss the sources of law and identity, interpret, and apply the appropriate statutes, codes, and elements.

Credit: 3
Prerequisites: CL 1003 and Sophomore status

CL 2123 Community Relations and Ethics
This course will cover the necessary cooperation and interaction that occurs between various law enforcement agencies and communities or populations they serve, giving special consideration to customs, race, gender, and unique circumstances. In addition, students will consider ethical and accepted standards found within various enforcement organizations. Topics include ethical decision-making; social change, subcultures, values and norms, cultural diversity, citizen involvement in justice issues, and other related topics. Upon completion, students should be able to apply ethical considerations to the decision making process in various law enforcement situations.

Credits: 3
Prerequisites: Sophomore status

CL 3013 Courtroom Procedure and Evidence
This course covers judicial structure, process and procedure from incident to disposition kinds and degrees of evidence, and the rules governing admissibility of evidence in court. Topics include consideration of state and federal courts, arrest, search and seizure laws, exclusionary and statutory rules of evidence, court systems and other related issues. Upon completion, students should be able to identify and discuss; procedures necessary when establishing a lawful arrest/search, proper judicial procedures, admissibility of evidence, selected applications of the law, the basic procedure of the United States Constitution and Bill of Rights, and rights/procedures as Interpreted by the courts.

Credits: 3
Prerequisites: Sophomore status

CL 3113 Environmental Enforcement
Federal, state and local governments pass laws to protect natural resources and the environment. But these laws mean nothing without compliance. This does not happen automatically, but is the result of efforts by the government to encourage and compel such compliance. In this class, students will discuss those various efforts and the essential role the enforcement officer plays in making those efforts a success. After taking this class students will be familiar with the policy and legal issues raised by environmental and natural resource enforcement, as well as the practical issues faced by the enforcement officer in the field. Students will also know the basics of how to do a regulatory inspection, and how to write an investigation report.

Credits: 3
Prerequisites: Sophomore Status

CL 3224 Crime Scene and Investigative Techniques
This course covers basic and special techniques employed in investigative interviews and interrogations, including interpretation of verbal and physical behavior and legal perspectives. In addition, this course introduces the theories and fundamentals of the investigative process. Topics include hands-on laboratory work, crime scene incident processing, information gathering techniques, collection and preservation of evidence, preparation of appropriate reports, court presentations, and other related areas. Upon completion, students should be able to identify, explain, and demonstrate the techniques of the investigative process, report preparation, and court presentation.

Credits: 4
Prerequisites: CL 3013 and Sophomore status

CL 4403 Conservation Law Enforcement Supervision and Management
This course introduces the components and functions of supervision and management as they apply to conservation law enforcement.
enforcement and other enforcement agencies of the criminal justice system. Topics include operations, functions of organizations, recruiting, training, and retention of personnel, funding and budgeting, communications, span of control and discretion, and other related topics. Upon completion, students should be able to identify and discuss the basic components and functions of various enforcement organizations and their supervisory and managerial operations.

Credits: 3  Offered Semester I
Prerequisites: Junior status

CL 4503 Conservation Law Enforcement Capstone
This course will provide an opportunity for students to apply the knowledge and skills they have learned in previous courses to a series of cases involving conservation law enforcement operations. This course will emphasize real-life problem solving strategies and incident management. Operating in teams, students will draw upon a wide range of subjects applying knowledge rooted in wildlife management, administration, communications, investigative sciences and broad-based concepts of environmental stewardship to make oral and written presentations. Upon completion of the course, students will have the confidence and ability to resolve a variety of issues facing conservation law enforcement officers.

Credits: 3  Offered Semester II
Prerequisites: CL 3013, CL 3224 and Senior status

Economics

EC 2013 Introduction to Economics and Economic Criticism
This course examines the basic principles of neo-classical economics. It includes supply-demand theory, consumer choice theory and theory of the firm. Macroeconomic and trade theories are also introduced. In each case students briefly examine the major alternate points of view. Students solve basic problems and perform calculations using the theories learned.

Credits: 3  Offered Semester I
Prerequisites: MA 1223 or MA 2243  Alternate years odd

EC 2023 Economics of Resource Conservation and Sustainability
This course introduces students to the problem of sustainability through the viewpoint of economics. Topics include the history of economic thought, the contemplation of sustainability thinking as an ethical proposition; the tradition of sustained yield management and its application through land management policy; the tradition of Coasian environmental economics and its application through pollution control policy; and the emerging concern of ecological economics and its application through policy attempts to control climate change, reform energy production, and stem biodiversity loss. No prior economic training is required.

Credits: 3  Offered Semester II
Prerequisites: None  Alternate years even

Education

ED 2014 Foundations of Education
This course is an overview of the various ways of educating within American educational institutions, to include socialization processes. Analyzes current education practices in terms of history, philosophy, and socio-cultural factors of formal and informal learning. Emphasizes trends, issues, and potential alternatives. Requires twelve hours field experience in public schools.

Credits: 4  Offered Semester I
Prerequisites: None
ED 2102 Educational Field Practicum I
Students will participate in 25 hours of field experience in grade 7-12 public school science classrooms. Participation will primarily focus on multiple observations, but may also include student tutoring, assisting in science laboratories, and performing research. During the weekly seminar, students will develop the required reflection process required for student teacher certification. They will also develop their professional portfolios and demonstrate an understanding of the Maine State Standards for teacher certification.

Credits: 2  Offered Semester I and II
Prerequisites: Passing scores on the State of Maine Praxis I exams and enrollment in the teacher certification program.

ED 2113 Instruction and Evaluation Design
This course covers the design, implementation and evaluation of programs. Goals, objectives, instructional design, analysis outcomes, and evaluation will be covered. Resources, delivery methods, and delivery media will be explored. Emphasis will be placed on students developing the skills and knowledge necessary to plan and carry out programs. Students will have opportunities to give program presentations. Each student will complete 5 hours of approved observation of programs.

Credits: 3  Offered Semester I
Prerequisites: Sophomore status

ED 3013 Peer Education and Leadership
Students in this course will actively collaborate with faculty of activity-based courses to design, deliver, and assess course activities. Programming opportunities will be conducted through the courses being peer led, including The Unity Experience. Students will gain hands-on experience with program logistics, facilitation, team-building, teaching, and outcomes-based assessment. Course-related activities that occur outside of the scheduled class periods will occasionally be required.

Credits: 3  Offered Semester I
Prerequisites: Sophomore status and consent

ED 3122 Educational Field Practicum II
Students will participate in 25 hours of 7-12 public school science classrooms as lab assistants, researchers, or assistant teachers. They may develop and teach lesson plans and participate in faculty meetings or professional development activities. During the weekly seminar students will continue to develop their professional portfolio and reflective activities related to topics in professional journals.

Credits: 2  Offered Semester I and II
Prerequisites: ED 2102

ED 3223 Curriculum Development and Assessment
This course provides the prospective teacher with an overview of theory and research in the field of curricula, plus hands-on experience in curriculum development. Includes historical, philosophical, and sociological perspectives on both the explicit and the implicit curriculum. Exploration and guided practice in the processes of writing and evaluating curricula for local school districts is included.

Credits: 3  Offered Semester II
Prerequisites: ED 2113  Alternate years even

ED 3333 Education for Exceptional Children and Youth
This course provides an in-depth examination of both traditional and emerging perspectives in special education. The course content includes characteristics of the exceptional student. Additional topics include learning theories and styles as they relate to exceptional children, classroom and instructional management, classroom modification/accommodation, overview of state and federal laws, and family and support services. The course format is a combination of lecture, guest speakers, group activities, and field experiences. Each student will complete a 10 hour supervised practicum working with exceptional students in a local classroom.

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ED 3444 Teaching Science in the Secondary School
This course provides instructional strategies and general approaches to teaching science in grade 7-12. Emphasis is on professional literature, curriculum development, teaching and learning styles, and reflective teaching. The course includes science safety issues and practices. Requires twelve hours field experience in secondary schools.
Credits: 3  Offered Semester II
Prerequisites: PY 1003 or PY 1013

ED 4003 Senior Project
Students in this course complete a senior environmental education or interpretation project based on primary research and best practice standards. All projects include personal and non-personal components. After public presentations of the projects, students evaluate audience learning, revise programming, and identify further applications. Students also complete their professional environmental education portfolios in this course.
Credits: 3           Offered Semester II
Prerequisites: PR 4123

English

EH 1053 Oral Communication
This course is an introduction to the study of communication, particularly as it relates to public speaking. It includes practice in speech criticism and delivery with an emphasis on the organization and presentation of ideas. Organizing research material to be presented orally to an audience is also a feature of the course.
Credits: 3  Offered Semester I and II
Prerequisites: None

EH 1113 College Composition
This course focuses on basic principles of composition with an emphasis on the roles that reading, thinking, and revision play in the process of composing. In addition to learning how to summarize and respond analytically to frequent reading assignments, students are expected to develop ideas of their own, primarily in short essays. Revision is stressed as a means of reevaluating the content, structure, and point of view of previous drafts. The assigned readings vary depending on the instructor. Each semester supplementary course descriptions detailing the topics offered by composition instructors are published in the course schedule.
Credits: 3  Offered Semester I and II
Prerequisites: LR 1013 or exemption

EH 1213 Approaches to Literature
Approaches to Literature offers the opportunity to read and discuss poetry, fiction, and drama from around the globe and across time. This survey course emphasizes critical reading and writing as ways of understanding and responding to literature. Topics covered in the class may include: What is literature? What makes a text good? What does literature have to tell us about ourselves? Our environment? Our understanding of other cultures?
Credits: 3  Offered Semester II
Prerequisites: EH 1113

EH 2073 American Literature
This course surveys classic and contemporary work of American literature and situates them within their historical and cultural context. Topics may include women writers, Native American literature, transcendentalism, the literature of exploration, and Maine writers. This course may be retaken for credit under a different topic.

Credits: 3  Offered Semester II
Prerequisites: ED 2014, BI 1114, and either BI 1124 or CH 1114; and Junior Status
Credits: 3  Offered Semester I
Prerequisites: EH 1113

**EH 2083 British Literature**
This course introduces students to English literature from the British tradition. Readings will vary according to instructor, but may include topics such as literature of the Middle Ages, the romantics and victorians, women writers, modernism, and post-Colonial literature. This course may be repeated for credit if a student chooses a different topic.

Credits: 3  Offered Semester II
Prerequisites: EH 1113

**EH 2123 Advanced Oral Communication**
This course deals with the advanced investigation and application of communication principles and theory in a variety of interpersonal and public communication settings. Attention is given to dyads, group dynamics, parliamentary procedure, persuasion, and the use of audiovisual equipment.

Credits: 3  Offered Semester II
Prerequisites: EH 1053, PH 2113 or PR 1023

**EH 2213 Introduction to Environmental Writing**
From poetry to nonfiction -- from Gary Snyder to Rachel Carson--environmental writing remains the most widely influential method for advocating on behalf of the environment. This course gives students the opportunity to practice environmental writing and to read exemplary works. Students may study and produce environmental fiction, non-fiction, and poetry.

Credits: 3  Offered Semester I
Prerequisites: EH 1113

**EH 3013 Mythology and the Bible as Backgrounds to Literature**
Selected readings of mythology, biblical passages and classic literature form the basis for this course, which is designed to increase students’ familiarity with the literary heritage that has shaped our culture. Course outcomes also focus on improved reading comprehension and writing skills.

Credits: 3  Offered Semester I
Prerequisites: IC 1111 or IC 1113  Alternate years odd

**EH 3063 Shakespeare**
This course includes a close reading and discussion of six or seven of the plays, usually *A Midsummer Night’s Dream*, *Romeo and Juliet*, *Macbeth*, *Hamlet*, and *Twelfth Night*. Lectures on background, Shakespeare’s life, and the plays alternate with discussion.

Credits: 3  Offered Semester II
Prerequisites: EH 1113, IC 1113 or IC 1111  Alternate years even

**EH 3213 Topics in Professional and Technical Writing**
This course prepares students for professional writing in their disciplines by developing skills in writing, editing, graphics, document design, and the management of data and other resources. Students will have the opportunity to learn about the variety of writing demands in various disciplines and occupations. They will also have the opportunity to create a variety of reports, documents, and web pages related to their own research and career plans. Course topics may include: science writing, grant and report writing, NGO writing, written communication in business, and writing for the web.

Credits: 3  Offered Semester II
Prerequisites: EH 1113

**EH 3333 Environmental Journalism**
Ours is a time of environmental concern, but also commonly referred to as the "information age." Most people get their information about the environment from the news media, whether in print, on-line or on television. This class will grant participants and opportunity to grapple with both the techniques and issues involved in environmental journalism. Students will
read and write real-world, environmentally focused newspaper, newsletter or magazine articles.

Credits: 3
Prerequisites: EH 1113

**EH 4243 Seminar: Special Topics**
The senior seminar offers students an opportunity to explore a writing genre or topic in an intensive, workshop-based environment. The subject matter for the seminar changes from semester to semester, and is often dictated by the interests of our current students. Some topics may include Advanced Science Writing, Children's Literature, Documentary Filmmaking, Creative Nonfiction, and more. Regardless of the subject matter, however, students will always have the opportunity to share their writing with others, to experience a variety of workshop environments, and to create publishable work in the specified genre or foci. This course may be retaken for credit under a different topic.

Credits: 3
Prerequisites: EH 1113 and IC 2213

**Environmental Sciences**

**ES 1001 Scuba Diving**
The PADI Open Water course introduces you to the basics of Scuba Diving, including dive theory, equipment, and the underwater world and environment. You learn diving in a swimming pool, starting in shallow water, eventually spending time having fun in deep water by the end of the course. After the academic and confined water training, you complete your certification by making four dives in open water. Successful PADI certification is required to pass the course.

Credits: 1
Prerequisites: Marine Biology major, ability to swim 200m/yds, and ability to float/tread water for 10 minutes.
Fee: $400-$600

**ES 1031 Introduction to Global Positioning Systems (GPS)**
This 7 week course is designed to provide students with the opportunity to use GPS (Global Positioning Systems) devices for data collection and mapping. As this technology becomes more and more commonplace it is important that students be exposed to the underlying theories and limitations as well as the applications. Collecting data and utilizing appropriate mapping software to produce usable field maps will be incorporated into the content of the course.

Credits: 1
Prerequisites: None

**ES 2013 Interpersonal Relations**
This course introduces problem encounters with the public and prepares the student for situations which occur in dealing with people. Particular emphasis will be put on learning to listen, problem solving, and maintaining control at all times. This will be accomplished through studying and discussing cases that present situations which may be encountered in the field. Role playing will be a required part of class participation.

Credits: 3
Prerequisites: EH 1053, PR 1023 or PH 2113

**ES 3013 Oceanography**
In this course physical, chemical, geological, and biological processes in the sea will be investigated. Topics will include plate tectonics, properties of seawater, waves, primary productivity, detrital cycling, and the role of oceanic currents in affecting global climate.

Credits: 3
Prerequisites: Junior status

Alternate years even
ES 3424 Inventorying Natural Resources
This course covers techniques for inventorying the vegetation and natural features of an area as well as specific parameters and items of interest. Topics include: data collection, sampling methods, sampling layouts as well as goal analysis and comparisons. Field work will utilize handheld computers and most of the analysis and comparisons will be completed on software developed by the Forest Service.
Credits: 4
Prerequisites: CS 1222 and MA 2243
Offered Semester I
Alternate years even

ES 4013 Senior Thesis
In BI 3003 Research Methods you completed an extensive literature review, formulated a hypothesis, and designed a statistically appropriate way to support or not support your hypothesis. In this course you will collect the prescribed data. You will then analyze and interpret your findings under the guidance of your two advisors. Once the finished thesis has been written up for publication, you will present your findings to Unity College faculty and students.
Credits: 3
Prerequisites: BI 3003
Offered anytime

ES 4501 Seminar
This course examines topics in the environmental sciences, such as aspects of forestry and wildlife, fisheries, energy, agriculture, geology, photography, and planning. Intended for juniors and seniors only.
Credits: 1
Prerequisites: As dictated by current topic. May be taken more than once.
Offered Semester I and II

ES 4544 Environmental Analysis
All of the physical processes which interact with the environment are covered at a more advanced level. The laboratory portion will include a major environmental project related to topics in aquatic chemistry, atmospheric chemistry, geochemistry, and solid and hazardous wastes.
Credits: 4
Prerequisites: CH 1114, BI 1114, GL 2003, and Junior status
Alternate years odd

Forestry

FY 1002 Forest and Habitat Field Practices
This course emphasizes common field techniques and skills required by a variety of natural resource management professions. Students will receive training in making and recording appropriate observations, measurements, and estimations on vegetation, habitats, land features, etc in the fields as well as from maps and aerial photographs. Some of the topics covered include pacing, taping, determining area, recording and organizing field notes, evaluating habitats, measuring tree diameters and heights, determining tree and stand volumes, conducting boundary surveys, as well as working with a hand compass and a hand held GPS unit.
Credits: 2
Prerequisites: LR 1123 or consent
Offered Semester I and II

FY 1011 Chainsaw Safety, Maintenance, and Use
The chainsaw is one of the basic tools used for wood harvesting, line clearance, tree work, camp and trail maintenance work. Because numerous people are killed and injured while operating a saw it is important that people training to work in many of the outdoor fields be familiar with the safe and efficient use of a chainsaw. After spending some time viewing safety videos and reviewing operational procedures will be felling, limbing, and bucking trees as well as learning about some basic maintenance techniques out in the woods.
Credits: 1
Prerequisites: None
Offered Semester I and II
FY 1163 Forest Fire Prevention and Control
This is a course for students interested in forest fire; its effects, prevention, and control. Up to 1/3 of lectures will be spent viewing videos and training films. Students may participate in hands-on training, fire line construction, and pump and hose setups.

Credits: 3
Prerequisites: None
Offered Semester II

FY 2124 Forest Products and Wood Technology
The course provides the student with the opportunity to explore forest products and utilization, from field measurements of various forms of forest products i.e. log, pulp, biomass, etc and the processes by which the raw material is converted to useful products lumber, paper, fuel, etc. In addition, the student will examine the physical and chemical nature of wood and its gross and microscopic characteristics.

Credits: 4
Prerequisites: FY 1002 or consent
Alternate years odd
Offered Semester II

FY 3524 Forest Harvesting and Environmental Regulations
This course provides a contemporary perspective on timber harvesting and related environmental regulations in the northeast, particularly in central Maine. Student activities will focus on observations of regional harvesting activities, preparation of harvesting plans, planning for layout and supervision of harvesting activities, as well as the inspection and evaluation of forestry regulations and best management practices in the field.

Credits: 4
Prerequisites: FY 1002 or consent
Alternate years even
Offered Semester I

FY 3544 Silviculture
Silviculture is defined as the art and science of tending forest stands to maintain and improve productivity by controlling species composition, stocking levels, tree quality and site factors. Through stand examination where the appropriate data is collected, then analyzed and alternative actions are evaluated; student will develop an understanding of developing silvicultural prescriptions to achieve a variety of stand objectives. Silvicultural practices for mature and immature stands, hardwood and softwood stands common in the northeast will be emphasized. Topics covered include thinning, timber stand improvement, regeneration, site preparation, herbicide selection, and use as well as genetically improved tree culture.

Credits: 4
Prerequisites: FY 1002, BI 2004, BI 2043 (concurrent enrollment in BI 2004 and BI 2043 allowed)
Offered Semester I

FY 4794 Forest Management
Given a variety of classroom exercises and field trips, students will progress through the development of a forest management plan. The college's own lands as well as other public and private woodlots will provide areas for study. Forest management activities and sustainable multiple uses appropriate for small, private ownerships will be emphasized. Students will be encouraged to utilize available software and websites for obtaining data, maps and management guidelines to be incorporated into their own plans. Additionally field trips to a variety of publicly and privately managed forests in the area will provide students with an overview of current forest management activities in the region.

Credits: 4
Prerequisites: FY 3544 or Junior status
Alternate years even
Offered Semester II

French

FR 1003 Elementary French I
This is an introductory course in the basic structure and vocabulary of French. Emphasis is placed on the practical use of spoken and written language. Active student participation is stressed.

Credits: 3
Offered by arrangement
Prerequisites: None

Gender Studies

GS 1023 Introduction to Women's Studies
This course offers a brief glimpse into the lives and histories of women in the modern Western world. Students will read writings by and about women, paying particular attention to depictions of women in pop culture, biology vs. gender, and cultural otherness. Throughout the semester, special attention will be given to understanding the development of the women’s movement, the rich and varied experiences of women from different ethnic backgrounds, and personal reflection on our own experiences and histories. Students may be expected to complete a service project for this course.

Credits: 3
Offered Semester II
Prerequisites: None
Alternate years even

Geography

GY 1003 Geography
Geography describes, relates, and explains both the natural and cultural features that distinguish different areas on the face of the earth. At the same time geography is concerned with the phenomena of continual change: the ways people modify their environments as reflections of changes in cultural values and levels of technology; and the ways the physical environment presents opportunities and constraints for human development.

Credits: 3
Offered Semester I
Prerequisites: None
Alternate years even

Geology

GL 1003 Physical Geology
This course investigates earth history and interpretation and is designed for individuals who might become park naturalists or outdoor recreationists. It investigates earth materials and geological time; the birth and death of continents and mountain ranges. Field trips are to scenic areas in Maine that serve as natural interpretive laboratories.

Credits: 3
Offered Semester I
Prerequisites: None

GL 1013 Weather and Climate
A study of the atmosphere in its changing moods of storm and fair weather. Seasonal variations, sunsets, rainbows, mirages, halos, northern lights, dew, frost, fog, clouds, rain, snow, hail, thunderstorms, tornadoes, and hurricanes will be reviewed. The atmosphere in motion on a local, regional, and global scale, air masses and storm fronts, the jet stream and weather forecasting, and global climate and change will also be studied.

Credits: 3
Offered Semester I
Prerequisites: None
Alternate years odd

GL 2003 Geology of Environmental Problems
The course covers aspects of the physical environment that have a physical impact on people. This includes hazardous earth processes, groundwater hydrology, examination of soil profiles, and waste water disposal. Laboratories involve the analysis of an environmental problem in the Unity area. Students will write a term paper that integrates lectures and readings from the course text and assigned readings with field investigations and laboratory analyses.

Credits: 3
Offered Semester II
GL 3044 Surface and Groundwater Hydrology
Water is essential to life. People, vegetation, and ecosystems flourish when there is a plentiful supply of clean water available in a regulated manner. Water flow on both the surface and in the ground is of importance to the fields of environmental pollution and waste management, water supply for individuals and cities, forestry, lake investigation, and range management among other environmental fields. This course addresses the occurrence, distribution, movement, and chemistry of waters, as well as the interrelationships of geologic materials and processes with water.

Credits: 4  Offered Semester I
Prerequisites: MA 1223, CH 1104, GL 1003 or GL 2003  Alternate years even

GL 3433 Soil Science: Principles and Applications
Soil Science looks at the evolution of soils as the interaction of landscape-forming processes with soil-forming processes. Soil classification, determination of soil nutrients, the relationship of nutrients to plant and animal growth, utilization of soil surveys, soil cation exchange properties, and landform-soil analysis using maps are practical activities carried out in laboratories.

Credits: 3  Offered Semester I
Prerequisites: CH 1104

GL 4003 Global Change
This course covers in depth the science of climate and ecological change. Students learn the geological history of climate and climate change, study the atmospheric, astronomic, geological and anthropogenic processes that lead to change, examine the basics of mathematical climate change modeling, study the predictions that result and their differing basis, and project the results onto the landscape in the form of analysis of potential for future regional and local changes.

Credits: 3  Offered Semester I
Prerequisites: PS 2313  Alternate years even

History

HY 1003 Sustainable Societies
This course explores sustainability by comparing selected historical and contemporary societies. Taught primarily as a class in discussion and debate, the course addresses population, climate change, energy, agriculture, food, power, ideologies, and other topics at the discretion of the instructor. Students respond through writing, presentations, and beginning professional portfolios relating to their intellectual and career aspirations.

Credits: 3  Offered Semester II
Prerequisites: None

HY 2103 Creative History
This course provides an introduction to the creative arts of history. Students study historical novels and films, gather oral histories, explore storytelling, work with original documents and artifacts, and visit living history museums. Students create their own original histories by researching, writing, and telling history-based stories.

Credits: 3  Offered Semester I
Prerequisites: None  Alternate years even

HY 3313 Special Themes in History
Each version of this course will focus on a theme of special interest to Unity College students. Examples include the history of: animals and humans; explorations and adventure; science; conservation and environmental ideas; the American nation,
etc. Each course will combine in-depth discussion, readings, films, research, and writing. This course may be repeated for credit under a different topic.

Credits: 3

Prerequisites: Sophomore status or consent

## Interdisciplinary Core

**IC 1111 The Unity Transfer Experience**

Unity College transfer students will work with a small group of other first semester students to get settled, oriented, and involved. Among other things, students will identify campus and community resources, establish a support network, engage in community collaboration, and ask a lot of questions. This course requires participation in regular experiential labs, NOVA wilderness experience, and a community collaboration project.

Credits: 1

Prerequisites: At least 24 college credits accepted in transfer or at least 22 years of age

**IC 1113 The Unity Experience**

First time Unity College students will work with a small group of other first semester students to get settled, oriented, and involved. Among other things, students will identify campus and community resources, establish a support network, engage in community collaboration, explore your major, and ask a lot of questions. This course requires participation in regular experiential labs, NOVA wilderness experience, and a community collaboration project.

Credits: 3

Prerequisites: None

**IC 2002 The Unity IDEaL Institute for Developing Leaders**

This seminar focuses on transferable leadership skills. Students from all majors and backgrounds are encouraged to apply. This course will help students discover their own leadership talents, be exposed to the essentials of effective leadership and understand how to get things done. Topics may include effective communication, conflict resolution, coalition building, decision making and organizational hierarchy. The retreat takes place during the first weekend of the semester and focuses on team building skills and project development. The course may also include community-service trips.

Credits: 2

Prerequisites: Nomination to participate and in good academic standing

**IC 2213 The Environmental Citizen: Topics**

Let's get something done. Work together with classmates, faculty, and community members to identify a pressing environmental concern, investigate the issue, imagine ways to help, and then help. Topics vary with instructor; examples include "Citizen Science", featuring scientific monitoring of species and ecosystems; "Investigating Issues and Actions", featuring environmental controversies; and "Landscape Conservation", featuring service learning with local land trusts and other groups. Each semester, supplementary course descriptions detailing the topics offered are published in the course schedule.

Credits: 3

Prerequisites: IC 1111 or IC 1113 and Sophomore status

**IC 3013 Environmental Sustainability**

In this course students apply ecological principles to human society. Students develop skills in critical analysis, quantitative reasoning, and use of information technology to solve problems and analyze issues. This course serves as a primary vehicle for meeting learning outcomes for the domains of science and social science.
IC 3113 Environmental Challenge
What inspires you? In this course students are challenged to action by accomplished individuals and great ideas. Through a speaker series and small group discussions, students preparing to make a difference are given the rare opportunity to spend some time in the presence of a wide range of people who already have had an impact. Inspirational speakers change from year to year, but might include mountain climbers, ecological theologians, environmental activists, big game hunters, and animal rights activists.

Credits: 3  Offered Semester II  
Prerequisites: IC 2213 and Junior status

Landscape Horticulture

LH 1002 Plant Health Care
In this field course students will experience various aspects of plant health care such as soil sampling, fertilization, pruning, diagnosis, and treatment.

Credits: 2  Offered Semester I  
Prerequisites: None

LH 1013 Sustainable Landscape Horticulture
In this introductory course students learn to design and maintain landscapes and to apply principles of sustainability to home, community, and campus landscapes. Among other activities, students may install plants, maintain planting beds, prune, compost, test soil, fertilize, and design landscapes.

Credits: 3  Offered Semester I  
Prerequisites: None

LH 2113 Sustainable Agriculture Practicum
This course will introduce students to the philosophies, agroecological bases, and practicalities of sustainable small-scale, diversified farming. Students will gain a firm foundation in the theoretical concepts of sustainable agriculture, but the emphasis of the course will be on the practical tools, techniques, and knowledge necessary to operate a successful small-scale, sustainable farm. Classroom instruction and lecture will be supplemented and reinforced by work in Unity's greenhouses and gardens and frequent field trips to local farms and other agricultural institutions, where students will learn from farmers and other agricultural professionals. The course is designed to prepare students for a farm-based internship.

Credits: 3  Offered Semester I  
Prerequisites: Sophomore status

LH 2323 Organic Gardening
In this course students will learn to cultivate vegetables, herbs, and flowers in the home and market garden. Emphasis is placed on nomenclature, propagation, sustainable cultural methods, landscape uses, and identification of this group of plants.

Credits: 3  Offered Semester II  
Prerequisites: None

LH 3043 Arboriculture
In Arboriculture students learn to cultivate woody plants, particularly trees, based on knowledge of their structure, function, and growth requirements. Students will prune, cable, transplant, and use other treatment and diagnostic techniques.
Students will learn technical climbing techniques and will be given the opportunity to practice these techniques in large shade trees.

Credits: 3
Prerequisites: None

LH 3153 Landscape Design
Building on aesthetic consideration addressed in previous courses, students will use landscape design tools to experience the entire design process, from creating inventory overlay diagrams to complete concept, layout, grading, planting, and master plans.

Credits: 3
Prerequisites: AR 1013 or LH 1013

LH 3173 Plant Insects and Diseases
This course is a study of the insects and other organisms that feed on or otherwise inure plants commonly grown in gardens, parks, streets, and forests. Monitoring and treatment techniques will be discussed. Students will develop pest management strategies for specific trees.

Credits: 3
Prerequisites: BI 1114

LH 3363 Soil Fertility
Healthy ecosystems require healthy soil. In this course students learn about soil chemical and biological characteristics and how they relate to plant nutrition in built-environment landscapes. Plant uptake mechanisms for nutrients, the roles of organic matter and soil microorganisms in soil ecosystems, use of soil amendments, and nutrient cycling issues are addressed. Students will devise management recommendations for specific sites and plants.

Credits: 3
Prerequisites: CH 1114

LH 4023 Livestock and Pasture Management
This course covers the management of livestock farm systems, their pastures and paddocks, and associated systems of winter feed production such as hayfields and silage or baled silage production systems. The primary emphasis is on natural/organic farming and dairying using rotational grazing systems, sustainably grown winter-feed systems, and energy efficient use of manures and farm and household wastes in fertilization. The major species and breeds of livestock and poultry are discussed. The course discusses and practices basic husbandry and vetting for each breed, as well as appropriate shelter, fencing and other facilities design, construction, and maintenance.

Credits: 3
Prerequisites: BI 1114, BI 1124

Learning Resources

LR 1002 Strategies for Success
This course is designed to be a positive intervention for students who, in their first semester, encounter academic difficulty serious enough to be placed on academic probation. The course offers instruction and practice in effective study techniques and interpersonal and group communication skills. Skills are applied to courses students are enrolled in concurrently. Course activities include career resource research, note-taking, stress management, test preparation, time management, and others. This course is required for second-semester students on academic probation.

Credits: 2
Prerequisites: Placement by academic status
LR 1013 Fundamentals of Writing
This developmental writing course emphasizes the composition of clear and effective sentences, paragraphs, and short essays. Students devote a portion of each class period to writing.
Credits: 3  Offered Semester I and II
Prerequisites: Placement

LR 1113 Elementary Algebra
Elementary Algebra is the first course in the algebra sequence. It is designed for students with little or no background in algebra. Topics include signed numbers, polynomials, rational expressions, first degree equations, word problems, functions, slope, and the graphing of linear equations.
Credits: 3  Offered Semester I and II
Prerequisites: Placement

LR 1123 Intermediate Algebra
This is the second course in the algebra sequence. It is expected that students taking this course can perform operations with signed numbers and algebraic expressions, and can solve linear equations. Topics included rational expressions, functions, graphing, systems of linear equations, radicals, quadratic equations, and word problems.
Credits: 3  Offered Semester I and II
Prerequisites: LR 1113 or exemption

Mathematics

MA 1003 Finite Math
This course is designed to give students a wider appreciation of what mathematics is all about. Topics to be included may range through Set Theory, Logic, Numeration Systems, Number Theory, Probability, Statistics, Group Theory, and Topology. The course objective is for the student to experience mathematics as an exploratory, challenging, creative, and enjoyable discipline.
Credits: 3  Offered Semester I
Prerequisites: LR 1113

MA 1223 Algebra and Trigonometry
This course is a sequel to LR 1123 and concludes our algebra sequence. Students continue their study of algebra and analytical geometry, and begin their study of trigonometry. Further topics from algebra including exponential and logarithmic functions, along with introductory topics from trigonometry including circular functions, trigonometric and inverse trigonometric functions, and solutions to right and oblique triangles will be studied. The course is designed to develop an understanding of the topics from algebra and trigonometry essential to the study of calculus.
Credits: 3  Offered Semester I and II
Prerequisites: LR 1123

MA 2243 Statistics I
This course deals with various introductory topics from probability and statistics with emphasis on the interpretation of experimental data. Students will study descriptive statistics, probability distributions, and inferential statistics (tests of hypotheses). In addition, students will actually do statistics using technology tools such as the TI-83 calculator, Microsoft Excel, and the campus wide statistics package JMP.
Credits: 3  Offered Semester I and II
Prerequisites: LR 1123 or MA 1003

MA 2333 Calculus I
Calculus is the mathematics of change. Calculus I deals with an introduction and treatment of the major concepts and techniques of differential calculus. The topics students will study include functions, limits, and derivatives of polynomial, logarithmic, exponential, trigonometric, and composite functions, along with applications of differentiation.

Credits: 3
Prerequisites: MA 1223

MA 3253 Statistics II
This course is for students who wish to continue their study of statistics. The topics to be studied fall under the general heading of inferential statistics or tests of hypotheses. These statistical tests include t-tests, Z-tests, chi-square tests, analysis of variance, regression and correlation (linear and nonlinear), along with various nonparametric tests including the sign test, Wilcoxon signed-rank test, Mann Whitney U Test, Spearman’s rank correlation coefficient, and the Kruskal-Wallis test. Throughout the course, students will use technology tools such as the TI-83 calculator, Microsoft Excel, and the campus-wide statistics package JMP to supplement and enhance the classroom material.

Credits: 3
Prerequisites: MA 2243

MA 3263 Biometry
Biometry, biological statistics, or quite simply biostatistics, is the application of statistical methods to the solution of biological problems. Topics to be studied include: the design and analysis of biological experiments and surveys; the collection, organization, and quantification of biological data; the statistical principles underlying the management of biological data; and the use of technology tools such as the TI-83 calculator, the CD entitled Field Guide to Statistics Using Excel by Barry Woods, and the campus wide statistics package JMP to analyze the data and to present conclusions.

Credits: 3
Prerequisites: MA 2243

MA 3443 Calculus II
The study of calculus continues with students being introduced to the main topics of integral calculus. The fundamental theorem of calculus, antidifferentiation, definite and indefinite integrals, techniques and applications of integration, along with sequences, series, and differential equations are the topics to be studied. Throughout this course, students will use software packages to supplement and enhance the classroom material. Calculus is a tool of great importance, and a basic understanding of it is prerequisite for further study in nearly all branches of higher mathematics.

Credits: 3
Prerequisites: MA 2333

Outdoor Studies

OS 1004 American Outdoor Experience
Through hands-on exercises, students explore the work of the stewards of the outdoor experiences that people everywhere cherish and celebrate. This course introduces students to the Adventure Education Leadership, Adventure Therapy, Parks, Recreation and Ecotourism, and Environmental Education degree programs and includes field instruction in outdoor skills activities. Weekend field trips are required.

Credits: 4
Prerequisites: None

OS 1061 Map and Compass
This 7 week course is designed to provide students with the opportunity to learn and develop map and compass skills. Specific skills and knowledge include reading and understanding maps, and land navigation techniques. The fall offering of the course is taught exclusively as part of the Outward Bound/Unity College Immersive semester program. This course may
include an off-campus field trip.
Credits: 1  
Prerequisites: None

**OS 2023 Wilderness First Responder**
This class is taught as an intensive experience 10-day course either in May session on the Unity College campus or as an addendum to the Outward Bound/Unity College Immersive Semester program in the fall. It is a course in emergency medical care that addresses the issues of long-term patient care, backcountry rescue techniques, and survival skills. This is a profession-focused course for those individuals who will be working with groups in backcountry settings. Participants who successfully complete the course will be certified in Wilderness First Responder and C.P.R.

Credits: 3  
Prerequisites: None
Fee: $300-700 depending on location

**OS 2122 Professional Development and Supervisory Ethics**
This course will examine professional ethics and standards. Students will have the opportunity to develop and improve application strategies, interview techniques, resume, and portfolio development. Seminar topics about the work behavior of individuals and groups, including work motivation, leadership, personnel planning, decision-making, job training, recruitment, rating and evaluation, control of the work force, and specific investigation of the differences between leadership and management.

Credits: 2  
Prerequisites: None

**OS 3132 Community Practices**
Students in this service-learning course contribute to local community projects and activities in cooperation with the Office of Community Based Learning. Projects and activities normally vary, with some student serving existing programs while other students create, plan, and/or lead new initiatives. All students provide a minimum of 5 hours of service per week, attend a weekly seminar, maintain a reflective practice journal, and complete a final semester paper, examination, and/or presentation. Students completing this course in order to fulfill a major program requirement also prepare a course portfolio with advice from their major program coordinator. Students repeating this course with variable content may earn up to 6 credits toward general degree requirements.

Credits: 2  
Prerequisites: Sophomore status and consent

**OS 3313 Program Planning**
This course provides an overview of the role of program planning in wilderness programs, camps, outdoor education centers, and parks. It gives an in-depth experience in planning an education or recreational program appropriate for outdoor recreation, park managers, and environmental educators. Students design and write programs which include components such as goals and objectives, schedules, lesson plans, risk management, facility needs, equipment needs, budget, and evaluation.

Credits: 3  
Prerequisites: OS 1004 or AE 2003, IC 3113 (may be taken concurrently), Junior status

**OS 4203 Research and Evaluation Methods in Social Sciences**
This course covers basic understanding, evaluation, and interpretation of social science research, and studies scientific methods of research planning, conducting, and reporting research. The primary focus is on quantitative research, but qualitative methods are also studied.

Credits: 3  

OS 4333 Administration and Operations
This course is designed to give students of public administrative operations an opportunity to evaluate management systems, strategies, and policies. Students will conduct administrative operations, prepare reports, and respond to situations that might occur in those preparing to enter the outdoor studies fields of study.
Credits: 3 Offered Semester II
Prerequisites: EH 1113, IC 2213, and Junior status

Parks, Recreation, and Ecotourism

PR 1023 Interpretation of Natural and Cultural Heritage
Students will create personal interpretive programs while practicing basic oral communication methods. Completion of this course helps eligible students become Certified Interpretive Guides under National Association for Interpretation standards. Students will develop a portfolio of skills demonstrating best practices for interpretive talks and walks.
Credits: 3 Offered Semester I and II
Prerequisites: None

PR 2123 Ecotourism
Students will explore a wide range of possible ecotourism activities, including traditional outdoor activities like hiking, canoeing, hunting and fishing, and traditional touring experiences like scenic drives, shopping for local goods, and visiting local natural and cultural sites. Comparisons between standard tourism practices and development politics with ecotourism principles form the basis for creative student projects that explore new ways of conducting more sustainable tourism. Special attention to the relationship between resource management agencies and private for profit business.
Credits: 3 Offered Semester I
Prerequisites: Sophomore status Alternate years even

PR 3213 Visitor and Resource Protection
The course will examine roles of visitor and resource protection, law enforcement, search and rescue, fee collection, and special operations. Students will participate in field operations in addition to classroom sessions.
Credits: 3 Offered Semester I
Prerequisites: Junior status Alternate years odd

PR 4123 Interpretive Methods
Students will critically examine the wide variety of personal and non-personal interpretive methods used by organizations that deliver natural, cultural, and/or historical interpretation programs. Working in teams, students design effective interpretation programs that include personal presentations, exhibits, website, audio/visual and publications, and then present them to public audiences. Collaboration with a community partner organization is often a requirement for the course.
Credits: 3 Offered Semester I
Prerequisites: PR 1023 or consent

PR 4223 Park Planning and Design
This course is designed to acquaint students with park planning principles and procedures. Students will work through the major phases of facility design. The lab section in this class will provide students with hands-on experience in the park and open space planning process.
Credits: 3 Offered Semester I
Prerequisites: Senior status or consent
Philosophy

**PH 1003 Introduction to Philosophy**
This course introduces students to the roles and functions of philosophy as an academic discipline, including the ways people see, interpret, and react to the world. Students reflect critically on such topics as the nature of truth, reality, justice, beauty, and morality; they also study the lives, work, and contributions of several of the most influential philosophers.
Credits: 3
Prerequisites: None
Offered Semester II

**PH 2113 Moral Communication**
What do you say about genetic engineering, sexual morality, cheating, propaganda, eco-terrorism, gossip, and recreational drug use? In this oral intensive class, you will consider the hard moral questions of our day while practicing listening, debate, presentation, and conversation skills. Develop your capacity for information evaluation, organization, facilitation, argument, and consensus-building while engaging in the philosophical practice of critical thinking, values clarification, and moral reasoning.
Credits: 3
Prerequisites: None
Offered Semester I

**PH 3313 Special Topics in Philosophy**
Why should I bother? Are humans inherently good (or evil)? Am I free to choose my life's course? Does god exist? Is suicide always wrong? Some questions are easier to answer than others. This course offers students a chance to take on some of the really tough and most interesting ones. The course topic will change in response to student and instructor interest. The topic for a given semester might be religious philosophies, existentialism, eastern philosophy, bio-medical ethics, personal identity, philosophy and literature, or postmodernism. This course may be retaken for credit under a different topic.
Credits: 3
Prerequisites: EH 1113 and Sophomore status or consent
Offered Semester II

**PH 3323 Philosophy and Literature: Topics**
When great ideas meet fantastic imagination life-changing works emerge. This topics class examines philosophical themes in and through literary works like short-stories, songs, comics, graffiti, and film. Themes change with sections and the course can be taken multiple times for credits. Topics might include questioning reality, existentialism, feminism, and/or the American dream of personal identity. This course may be repeated for credit under a different topic.
Credits: 3
Prerequisites: EH 1113 and Sophomore status or consent
Alternate years even

Physics

**PS 2303 General Physics I**
The first in a two-semester sequence, this course focuses on energy and mechanics. Topics covered include motion and force. The associated laboratory section includes both hands-on and computerized explorations.
Credits: 3
Prerequisites: MA 1223 or concurrent enrollment
Offered Semester I
Alternate years even

**PS 2313 General Physics II**
The second part of a two-semester sequence, this course examines the concepts of sound, electricity, optics, and modern physics.
PS 3003 Energy and Energy Efficiency
This course is an application of basic physics and introductory engineering to the problems of sustainable building and transportation systems. Topics covered include building structures, envelopes and insulation, household appliances and appliance efficiency, green automobiles and trucks, with an introduction to industrial ecology, and basics of solar, hydroelectic, wind, wave, tidal, and biomass energy systems. Taught as a combination of lecture and engineering shop, students respond through constructing a major project or demonstrator in renewable energy or energy efficiency. A final three-to-four week section covers the technical subjects of energy and climate cost accounting, cost benefit analysis, energy and climate emissions auditing, and record keeping.

Politics: 3
Prerequisites: PS 2303
Alternate years odd

Political Science

PL 1013 American Democracy
This course traces the evolution of American democracy with special focus on citizen associations, competing interest groups, constitutional law, and the expansion of executive government. Using historical and contemporary case studies, including the American Revolution, continental and global expansion, progressivism and environmentalism, students study how the basic legal and political structures of American democracy limit and direct the pace and direction of change.

Credits: 3
Prerequisites: None
Alternate years even

PL 2013 State and Local Government
The role and relationship of the state, county, city, and town government in the American political system are discussed. This course will emphasize urban and important New England issues (such as land use) and include visits to the Maine State capitol for interviews.

Credits: 3
Prerequisites: None
Alternate years even

PL 2033 World Politics
This is the study of the basic concepts in relations among the world’s nations and forces that exist beyond the nation-state. Topics include nationalism, revolution, global corporations, security, the United Nations, arms limitations, and natural resource management in developing countries.

Credits: 3
Prerequisites: None
Alternate years even

PL 2313 Wildlife and Natural Resource Regulation
This course surveys the regulatory processes employed by the major federal environmental management agencies (BLM, EPA, NPS, USFS, USFWS), and their counterparts in various states, but particularly in Maine. Students learn how interest groups, citizens, and the courts influence the management of environmental and land resource problems. Wildlife, land management, and pollution regulations are first surveyed and then more deeply examined using case studies of important statutes such as the Endangered Species Act, the various land management acts, or the National Environmental Protection Act and its subsidiary laws.

Credits: 3
Prerequisites: Sophomore status or consent
Alternate years odd
PL 3233 Environmental Resource Law
Students will read federal and state laws establishing priorities for the use, conservation, and preservation of environmental resources. Included are critical study of the National Environmental Policy Act, Wilderness Act, Antiquities Act, Endangered Species Act, Clean Water Act, Natural Resources Protection Act, and related cases and materials on land preservation and use, multiple use forest regulation, water rights, and wildlife restoration. Students practice legal argumentation and reasoning by assuming advocacy and policy making roles for contending recreational, extraction, development, and environmental interests.
Credits: 3  Offered Semester II
Prerequisites: PL 1013 or PL 2013 or Junior status or consent

PL 3413 Advocacy, Ethics, and the Environment
How can we persuade others to help us protect the environment? Do the ends justify the means? This course offers the theoretical and practical groundwork needed to evaluate goals and put ideas in action. Students learn how to plan campaigns, build coalitions, conduct focus groups, select and influence audiences, and create and deliver effective messages. Students will discuss ethical issues and plan an actual advocacy campaign. A field trip may be required.
Credits: 3  Offered Semester II
Prerequisites: Sophomore status

PL 4313 Economic and Quantitative Analysis of Environmental Policy
This course examines important technical problems of environmental regulation and planning. Students examine standard quantitative techniques, such as basic macro- and microeconomic analysis for policy-making, and cost-benefit analysis, as well as specialized environmental techniques such as risk assessment, pollution trading, carbon taxation, and more. The course also includes detailed qualitative treatment of current problems and cases such as the New England climate change response or the Stern Review on the economics of climate change.
Credits: 3  Offered Semester I
Prerequisites: MA 1223, MA 2243 or consent  Alternate years even

PL 4413 Natural Resource Policy
How do our governments deal with society's effects on the natural world and with the environment's effects on humans? The purpose of the course is to help students develop ways and means to investigate this question. Students explore issues and conduct policy analysis in areas such as water resource management, global climate change, environmental justice, recreational access, and coastal fisheries conservation. The course features guest lectures by outside experts, field trips, and policy research projects designed to make a difference in the real world.
Credits: 3  Offered Semester I
Prerequisites: Junior/Senior status

Psychology

PY 1003 Introduction to Psychology for Teaching and Learning
This course integrates psychological principles with strategies for effective instruction. The knowledge base permeating good teaching will be explored by focusing on the childhood and adolescent development as espoused in the theories of Piaget, Erickson and Kohlberg; behavior, cognitive and social learning theories; children with exceptional abilities and intelligence testing. Students will learn to apply the principles of psychology to their learning and future teaching through readings and discussions.
Credits: 3  Offered Semester I and II
Prerequisites: None
PY 1013 Introduction to Psychology
This course is a survey of psychology as a science of behavior. Topics include basic principles underlying behavior and experience, learning, human development, motivation, personality, and psychotherapies.
Credits: 3
Offered Semester I and II
Prerequisites: None

PY 2013 Human Development
This course is a survey of development of the person across the entire age span from conception to death. For each stage physiological, intellectual, social, emotional, and psychological aspects of growth are studied. Emphasis will be placed upon environmental influences that can promote the individual’s growth and development.
Credits: 3
Offered Semester II
Prerequisites: PY 1003 or PY 1013 Alternate years odd

PY 2113 Group Process
The basic principles of small group interaction will be explored in both didactic and experiential components of the course. Topics will include listening skills, values clarification, group problem solving, group communication models, stages of group development, debriefing techniques, semantics, leadership models, and transition. Some emphasis will be placed on aspects of group process in a wilderness setting. This course may include a field experience. The fall offering of this course is taught exclusively as a part of the Outward Bound/Unity College Immersion Semester program.
Credits: 3
Offered Semester I at Outward Bound and Semester II
Prerequisites: PY 1003 or PY 1013 and Sophomore status
Fee: $100

PY 3013 Human Sexuality
This course will examine multiple aspects of the subject area on human sexuality. Students will gain an understanding of this topic from psychosocial and physiological perspectives. Specific areas to be studied will include sexuality and popular culture, dimensions of gender, and male and female sexual anatomy. Various forms of intimacy and sexual expression in different cultures will be explored as well as typical sexual behaviors and forms of sexual coercion, including harassment, aggression, and abuse.
Credits: 3
Offered Semester II
Prerequisites: PY 1003 or PY 1013 Alternate years even

PY 3123 Educational Psychology
This course examines the nature of learning and instruction in considerable depth. It emphasizes theories and research and covers diverse material related to how people think, learn, and develop, including language, cognition, motivation, and memory. It also covers skills essential to effective teaching; developing instructional strategies, planning and managing classroom activities, and assessing student learning. This course includes both lecture and experiential components and both individual and collaborative projects. Students are required to complete eight hours of observation in an educational setting.
Credits: 3
Offered Semester II
Prerequisites: PY 1003 or PY 1013

PY 3133 Abnormal Psychology
This course offers an in-depth study of various theoretical perspectives on psychological disorders, including psychosis, depression, anxiety, psychoactive substance use, and disorders of childhood and adolescence. Bio-genetic, socio-cultural, and psychological theories of abnormality are examined, as are corresponding modes of treatment.
Credits: 3
Offered Semester I
Prerequisites: PY 1003 or PY 1013
Spanish

SP 1003 Elementary Spanish I
This course is an introduction to the use of the Spanish language with its emphasis on communication without neglecting the skills of reading, writing, and an awareness of Hispanic culture. Throughout the course there are hands-on communicative activities which involve pair and group work, the use of an integrated workbook/laboratory cassette program, classroom use of overhead transparencies, computer software for student troubleshooting, and a video program correlated to the core text.
Credits: 3  Offered Semester I
Prerequisites: None  Alternate years even

Sociology

SY 1013 Introduction to Sociology
This is an introduction to the study of human society and culture with major sociological concepts such as social behavior, social structure, socialization, and stratification. This course is for the beginning student in social sciences.
Credits: 3  Offered Semester I
Prerequisites: None

SY 2013 Criminology
This course introduces the development of criminology theory from a historical perspective through current developments. Particular emphasis will be put on the impact of criminological theory on the development of laws and our national concept of punishment and rehabilitation.
Credits: 3  Offered Semester II
Prerequisites: None

SY 3183 Social Problems
Students will analyze selected social issues (world hunger, poverty, overpopulation, sexism, corporate power, etc.) from conservative, liberal, and radical perspectives. The course will involve theories of social problems, issue-oriented research, and field work.
Credits: 3  Offered Semester II
Prerequisites: None  Alternate years even

Wildlife

WF 1001 North American Wildlife Identification
This introductory laboratory class emphasizes the identification of over 100 selected game and non-game species of North America by external morphology, wings, skulls, vocalizations, and indirect sign (tracks, scat, etc.). May be taken concurrently or separately from WF 2132.
Credits: 1  Offered Semester I and II
Prerequisites: None

WF 1011 Exotic Animal Identification
In this introductory course students learn taxonomy and morphology of exotic animal species commonly found in zoological facilities and aquariums.
WF 1013 Introduction to Wildlife Care and Education
This course offers students an introductory look into career opportunities working with animals in a captive setting. Students will learn the primary and secondary needs of animals under their care. They will develop basic animal husbandry and communication skills by partnering with community leaders in animal health, rehabilitation and environmental education.
Credits: 3  Offered Semester I and II
Prerequisites: None

WF 2003 Animal Training
Through exploration of operant conditioning students will understand the theory supporting animal training and be introduced to various practices and techniques that form the art of animal training. Training is two-way communication between the trainer and the animal. Recognizing and understanding animal behavior is the key to communication. The knowledge and skills learned in this course may be utilized to train domestic and exotic animals for medical procedures, animal husbandry, and animal handling needs.
Credits: 3  Offered Semester I and II
Prerequisites: WF 1013 and Captive Wildlife Care and Education major

WF 2132 North American Wildlife
This introductory course covers the taxonomy, morphology, ecology, physiology, and behavior of selected game and nongame species of North America with an emphasis on Maine species. Lectures introduce basic principles of wildlife management including population growth and regulation, carrying capacity, habitat needs, ecological niches, animal behavior, and other fundamental ecological principles. This course may be taken concurrently or separately from WF 1001.
Credits: 2  Offered Semester I and II
Prerequisites: EH 1113

WF 2433 Wildlife Techniques
This course is designed to give instruction and practices in a variety of laboratory and field methods used to conduct and evaluate resource management and research. Assumptions, biases, and problems associated with various techniques, as well as analysis of data, interpretation, and application of results will be discussed. Topics covered include scientific writing and research, public relations, bird and mammal capture techniques, sexing and aging, radiotelemetry, food habits analysis, habitat assessment and manipulation, home range estimation, survival estimation, and population estimating techniques.
Credits: 3  Offered Semester I and II
Prerequisites: MA 2243 or concurrent enrollment

WF 3023 Enrichment and Exhibit Design
When animals are brought up in captive environments they lose the opportunity to make choices. Through exhibit designs and enrichment initiatives we are able to provide animals with choices promoting natural behaviors. Students in this course will research natural history and behaviors of exotic animal species. They will utilize this information in designing animal exhibits and enrichment devices. During this process they will learn the value of recordkeeping and animal observation as a method to recognize abnormal animal behavior and provide techniques to extinguish this behavior. A few labs may be held on Saturdays.
Credits: 3  Offered Semester II
Prerequisites: WF 1011, WF 2003

WF 4034 Animal Health
Animal health is an important topic in captive wildlife environments whether it is a rehabilitation center, zoological facility, or nature center. In this course students will learn to recognize signs of illness and identify the cause; wildlife disease, para-
sites, injury, or nutritional imbalance. In addition students will study treatment methods and the procedures involved to diagnose or provide medications. Throughout the course students will understand the value of record keeping and animal observation. A few labs may be held on Saturdays.

Credits: 4
Prerequisites: WF 1011, Captive Wildlife Care and Education major, Junior Status

Offered Semester I

WF 4613 Wildlife Ecology and Management
This course is designed to teach principles of ecology as they are applied to the practices of wildlife management. It examines the interactions of wildlife, the environment, and humans from a biological, ecological, economic, political, and social perspective. As the final and most important course in the wildlife curriculum, the course requires students to gather, synthesize, and interpret information.

Credits: 3
Prerequisites: BI 2004, MA 2243, and Junior status

Offered Semester II
### Academic Regulations

**Grading Policy** Midsemester grades are issued in the seventh week of the semester. These grades are for student information only, and are not entered on the transcript. Final grades are posted to the Student Portal as they are submitted. The grades then become part of the academic record. Once a grade has been submitted to the registrar, that grade may be changed if, and only if, an error has been made in the calculation or transcription of the original grade. Under no circumstances will a change in grade for a student be allowed because of the submission of additional work after the grade has been submitted. Grade changes, when approved, may only be made for one semester following the semester in which the grade was originally submitted. Should a faculty member wish to change a grade for any other reason, the request with justification, should be submitted to the Academic Regulations Committee for approval.

The grading system used at Unity College follows.

<table>
<thead>
<tr>
<th>Grade</th>
<th>Grade Point</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>4.0</td>
<td>Excellent</td>
</tr>
<tr>
<td>B</td>
<td>3.0</td>
<td>Good</td>
</tr>
<tr>
<td>C</td>
<td>2.0</td>
<td>Satisfactory</td>
</tr>
<tr>
<td>D</td>
<td>1.0</td>
<td>Poor, but passing</td>
</tr>
<tr>
<td>F</td>
<td>0.0</td>
<td>No credit. Recorded and calculated as part of the grade point average (GPA); F grades are subject to probationary standards.</td>
</tr>
<tr>
<td>W</td>
<td>—</td>
<td>Withdrawal. No credit. Recorded but not calculated as part of the GPA. In order to acquire a W instead of an F, a student must withdraw no later than one week after mid-semester grades are issued.*</td>
</tr>
<tr>
<td>I</td>
<td>—</td>
<td>Incomplete. Course work not completed because of circumstances beyond the student's control. All work must be completed within one calendar year of the final day of the semester in which the incomplete was received. Work not completed within one year will automatically be changed to an F. Individual instructors may specify shorter time limits for incompletes. Not calculated in GPA.*</td>
</tr>
<tr>
<td>P</td>
<td>—</td>
<td>Pass. Given only for UCDEC. Not calculated in GPA.</td>
</tr>
<tr>
<td>U</td>
<td>—</td>
<td>Unsatisfactory. Given only UCDEC. Not calculated in GPA.*</td>
</tr>
</tbody>
</table>

**Note:** All students have the right to review and challenge their records.

*Although these grades are not calculated into the grade point average, they may affect the student’s financial aid status.

**Repeated Courses** Students with a need to earn a higher grade may repeat a course previously taken; both the first and subsequent enrollments and grades will be a permanent entry on the academic record and transcript. The highest grade will be used in computing the cumulative grade point average. No additional credit will be granted for the repeated course.

**Dean’s List** The dean’s list is published after the end of each 15-week semester and includes names of students who have earned a minimum of 12 credit hours during the semester with a grade point average of 3.33 or higher. A student who receives an F in any course is ineligible for the dean’s list.

<table>
<thead>
<tr>
<th>Honors</th>
<th>Semester grade point average of 3.33-3.49</th>
</tr>
</thead>
<tbody>
<tr>
<td>High Honors</td>
<td>Semester grade point average of 3.50-3.74</td>
</tr>
<tr>
<td>Highest Honors</td>
<td>Semester grade point average of 3.75 or above</td>
</tr>
</tbody>
</table>
High Honors Credit
Any full-time, matriculated student enrolled at Unity College is eligible for a free 17th credit if the following criteria are met:
- Student must have a minimum cumulative grade point average of 3.75, earned at Unity College.
- Student must have junior or senior standing (60+ credits), based on credits earned.

Academic Standing
Students not meeting the academic minimums necessary to progress toward a degree are provided with specific requirements to achieve good academic standing. The following scale is used to determine minimum conditions for satisfactory academic progress.

<table>
<thead>
<tr>
<th>Credits attempted</th>
<th>Cumulative grade point average</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 - 23</td>
<td>1.70</td>
</tr>
<tr>
<td>24 - 47</td>
<td>1.80</td>
</tr>
<tr>
<td>48 - 71</td>
<td>1.90</td>
</tr>
<tr>
<td>72 or more credits</td>
<td>2.00</td>
</tr>
</tbody>
</table>

Failure to meet the minimum standards of satisfactory academic progress will result in a student being placed on academic probation. Students who do not meet the minimum standards for satisfactory progress in two consecutive semesters will be suspended from the institution. However, students on academic probation who achieve a semester grade point average of 2.50 or higher will be automatically continued on academic probation and not subject to suspension. The college reserves the right to suspend or dismiss a student at any time when academic work is unsatisfactory or when conduct is deemed detrimental to the teaching and learning goals of the college community. Students who have been suspended from the college because of poor academic performance may apply for readmission after a period of no less than one full semester. The application for readmission is available from the office of the registrar. A second suspension for poor academic progress results in dismissal from the college.

Appeal of Academic Standing
Students who document, in writing, extenuating circumstances that could not be prevented, may request reconsideration of academic standing from the Academic Regulations Committee. An appeal can be faxed, emailed or sent by US mail.

The student must submit a written appeal to:
Academic Regulations Committee
C/o Registrar’s Office
90 Quaker Hill Road
Unity, ME 04988
Fax #: 207-948-2303
Email: hein@unity.edu

Add/Drop
During the first six school days (eight calendar days) following registration, students may add or drop courses for the 15-week session with the written permission of their advisor. A reduction below 12 credit hours during the six add/drop days will result in an appropriate charge reduction. The drop period for the three-week session will be during the first two days of classes in that session.

Advanced Standing
Students may also qualify for advanced standing through several types of examinations.

1. The College Level Examination Program (CLEP), sponsored by the College Entrance Examination Board, is a nationally recognized program of credit by examination. CLEP examinations are administered monthly throughout the calendar year. Lists of times and examinations are available by writing to the College Level Examination Program, 888 Seventh Avenue, New York, New York, 10019.

Unity will award a maximum of 30 credit hours for CLEP examinations in specific areas. CLEP credits are subject to transfer credit limitations.
2. Advanced Placement is a program offered by the College Entrance Examination Board to allow highly motivated students advanced entry by means of placement tests. Unity College allows academic credit for work graded 3 or higher by the College Board. High school students should consult their guidance counselors for details.

Advanced Placement credits are subject to transfer credit limitations.

3. Unity College Designed Examination for Credit (UCDEC), Unity's own test out program, allows matriculated students to petition a faculty member to take an exam for credit in a course regularly offered by the college based upon past experience or self-directed study. The decision to allow a student to attempt a UCDEC rests solely with the faculty member being petitioned. The faculty member signing a UCDEC petition must be one who is currently or has previously taught that course. Due to their nature, some courses may not be available for UCDEC.

Students currently or previously enrolled in a course may not test out of that course. Students may attempt an exam for credit in an individual course only once. UCDEC credits are subject to transfer credit limitations.

To gain credit, a student must submit the UCDEC petition, signed by the cooperating instructor and the Center Director, and to the registrar's office at least 48 hours before the exam is scheduled to be given. A fee of $100 will be billed to the student's account for the UCDEC.

Upon successful completion of the UCDEC, the student is awarded credit for the course. UCDEC credits are granted on a Passing (P)/Unsatisfactory (U) basis only, and do not effect a student's grade point average.

Any combination of transfer, CLEP, Advanced Placement, or armed service credits may not exceed 90 credits. Credits earned via UCDEC are not subject to transfer credit regulations.

Attendance in Classes
Students are expected to be on campus and attending classes on the first day of the semester. Students not in attendance on the first day are not excused from classes.

Auditing a Course
A regularly enrolled student may audit the lecture portion of any course with written permission from the instructor and on payment of a fee of $50 per credit, assessed separately from regular tuition fees.

Laboratories, studios, and outdoor skills courses are specifically excluded from audit. The course thus attended will be entered on the student's transcript with the notation "Audit". No grade will be assigned.

The instructor's sole responsibility will be to certify the student's attendance. The student will be responsible for insuring that the instructor is aware of his/her attendance at each class session. Taking examinations and turning in homework, papers, and other exercises to be graded are optional at the instructor's discretion.

If the student later decides to obtain credit in the course audited, this can be done only by enrollment in and completion of the full requirements of the course, not via the Unity College Designed Examination for Credit.

Auditing is defined as follows: students may attend the lectures of the course and perform such of the assigned course work as they wish.

Unity College Associate Program
Residents of the State of Maine may take any scheduled course offered by Unity College for a fee of $100, plus any fees associated with the course, on a space-available basis. They receive no college credit. This program is designed to be for personal enrichment. Unity College Associate students are limited to one course per semester and may not participate in laboratories of a course or attend field trips to off campus sites. Unity College Associates are not permitted
to sign up for travel courses. Instructors of courses are not obligated to grade papers, projects, or give feedback to these students on their work in the course.

Completion Rate
Federal regulations require the reporting of six year cohort completion rates for all students. The completion rate for full-time, first-time bachelor's degree-seeking undergraduate students entering Unity College in the fall of 2003 was 54 percent as of August 31, 2009.

Federal regulations also do not include students who transfer into Unity College as part of their completion rates. The completion rates below are for all students who entered Unity College in the Fall of 2003. This will include first time freshman as well as transfer students.

<table>
<thead>
<tr>
<th>Graduated in 4 years</th>
<th>44%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Graduated in 6 years</td>
<td>56%</td>
</tr>
</tbody>
</table>

Courses of Instruction and Levels
Courses numbered in the 1000s are introductory. Courses numbered in the 2000s are intended for students who are sophomores or above. Courses numbered in the 3000s are intended for juniors and seniors, and courses numbered in the 4000s are generally intended for students specializing in a given academic area. The prerequisites listed for each course will give students further guidance as to when you should take that course in your academic program.

Lower-division courses (1000 and 2000 level) generally focus on foundational theories, concepts, perspectives, principles, methods, and procedures of critical thinking in order to provide a broad basis for more advanced courses. The primary intent of lower-division coursework is to equip students with the general education needed for advanced study, to expose students to the breadth of different fields of study, and to provide a foundation for specialized upper-division coursework. Such courses have one or more of the following purposes:

a) To acquaint students with the breadth of (inter) disciplinary fields in the arts, humanities, social sciences, life sciences and physical sciences, and to the historical and contemporary assumptions and practices of professional fields.

b) To introduce essential skills of literacy (e.g., information gathering, reading, and writing), language, (e.g., oral communication and language and culture other than English), mathematics, technology sciences to prepare for continuing work in any field of higher education.

c) To lay the foundation for upper-division coursework and to begin development of analytical thinking and theoretical application.

Upper-division courses (3000 and 4000 level) are in-depth, specialized, advanced courses which emphasize problem-solving, analytical thinking skills, and theoretical applications. These courses often build on the foundation provided by the skills and knowledge of lower-division education. Upper-division courses may require the student to synthesize topics from a variety of sources. Upper-division courses may also require greater responsibility, or independence on the part of the student. Thus, many intermediate and all advanced baccalaureate courses in a field of study are properly located in the upper-division. In addition, disciplines that depend heavily on prerequisites or the body of knowledge of lower-division education may properly be comprised primarily of upper-division courses. Such courses have one or more of the following purposes:

a) The in-depth study or application of theories and methods and the understanding of their scope and limitations.

b) The refinement of essential skills and interpretation associated with the baccalaureate.

c) The development of specific intellectual and professional skills designed to lead to post-baccalaureate employment, graduate study, or professional school.

Course Load
The maximum load in a semester is limited to 18 credit hours, with no more than three laboratory or workshop courses. All exceptions to a maximum load must be approved by the registrar.
Credit Hour
Unity College’s credit hour is a semester hour, the standard measure of progress toward a degree at most institutions. For most standard lecture courses, it represents 50 minutes of class time each week of the semester. The class time and credits will vary, however, for other types of courses, such as laboratory sciences, studio arts, and field-oriented courses. For further information on course credit hours, please contact the registrar.

Diploma, Registering for
There are two dates each year when degrees are conferred. The first is commencement day in May. Candidates who wish to graduate in May must file an application for degree with the registrar’s office by February 15. Upon presentation of an application for degree in the registrar’s office, candidates will be billed a $100 application fee. Students have until the day of their graduation to finish all requirements or resolve any financial obligations to the college. Any student who fails to finish all degree requirements or resolve any financial obligation by the day of commencement will not be allowed to participate in the commencement ceremony and will be required to reapply for graduation at a later date.

Degrees are also conferred on the last day of December each year. Processing completion of degree requirements may take up to 30 days. Candidates must file an application for degree with the Registrar’s Office by September 15. They have until the last day of the final examination period to finish all degree requirements and resolve all financial obligations to the College.

There will be only one commencement ceremony each year. Students whose degrees are conferred following the fall session are encouraged to participate in commencement ceremonies the following May.

Directed Study
Under exceptional circumstances, you may pursue the subject matter of a regular course in the College course inventory during a semester (or at any time) when the course is not scheduled to meet. The contact hours and assignments should be comparable to those of the regularly scheduled class, unless other arrangements are approved by the faculty administrator. All directed studies must be approved by the appropriate faculty administrator.

Double Majors
Double majors or dual majors consist of two majors attached to a single degree, as opposed to two separate degrees each with its own field of study. Students may complete double majors, provided that at least 21 credit hours satisfy the requirements of one major and are separate and distinct from credit hours taken to satisfy the requirements of the other major. Both majors must be completed in the same semester. If the double majors are in a BA and a BS degree, then the student will choose which single degree is awarded.

Final Examination Period
Each semester includes three days at the end of the semester for final work. The first day is Unity College Student Conference Day and the final two days are the examination period. All final examinations must be given during the scheduled time during the examination period. Examination schedules are posted before the beginning of each semester on the college’s website. Students with three or more examinations on one day may petition the registrar to reschedule one examination.

Graduation Awards
Dean’s Award  This award goes to the bachelor degree graduate with the highest overall cumulative grade point average.

Board of Trustees Award  The Board of Trustees Award is given to a bachelor degree candidate in the graduating class who, in the judgment of the Trustees, has demonstrated the most personal growth and academic accomplishment while contributing to the student body and the Unity College community.

Faculty Award  This award recipient is chosen by the faculty on the basis of contribution to the day-to-day affairs of the College and the morale of the student body, as demonstrated by the candidate’s concern and willingness to help where a need is perceived.
The Marshall Gerrie Award  This award is given to a candidate for a bachelor degree on the basis of the candidate's day-to-day contribution to the functioning of the College and the morale of the student body, as demonstrated by the candidate's concern and willingness to help where a need is perceived.

President's Award  The president honors a superior graduating student on the basis of academic excellence, extracurricular activities, and overall contribution to the growth of Unity College. The student must be a candidate for a baccalaureate degree.

Drusilla H. Stengel Award  This award is presented to a woman graduating with an associate degree who has benefited most, in terms of personal development, from her time spent at Unity College. If the recipient continues working toward her bachelor's degree at Unity College, a one time $1000 scholarship will be awarded in memory of Drusilla H. Stengel.

Unity College Athletic Award  This award is presented at the athletic banquet to graduating seniors who have exemplified the qualities of competitiveness and good sportsmanship. The names of the recipients are engraved on a trophy that is kept on display in the library.

Independent Study  Independent studies may be available to those who want to assume considerable responsibility for their own progress and engage in coursework which differs from that offered by the existing college course inventory. Independent study may be available at all levels: entering student (1000), sophomore (2000), junior (3000), and senior (4000). Students may not take more than one independent study at each level (except at the 4000 level). At the 4000 level, a maximum of 12 credits may be earned through independent study. Any student wishing to pursue an independent study should submit a written proposal to a faculty sponsor and the center director for approval. The submitted proposal should address the appropriate rigor and contact hours for the level and credit hours of the proposed independent study. Independent studies may begin at any time, but must be on file in the Registrar's Office one week before work is scheduled to begin. If an independent study is started after the add/drop period of a regular semester, or at other times of the year, tuition will be charged at the internship rate.

Learning Outcomes  The Unity College faculty adopted a revised set of college-wide learning outcomes in spring of 2010. They are published in the "Academics: area of the college website.

Medical Withdrawal from the College  Students may request a medical withdrawal when an illness or injury occurs that makes it impossible for the student to continue with classes. A medical withdrawal may be used in response to matter of both physical and mental health. To be recorded as a medical withdrawal, documentation from a licensed medical practitioner must be submitted to the Dean of Students outlining the nature of the illness or injury and confirming that the student would not be able to complete course work as a result. Medical withdrawals will be dated according to the date that the college was notified of the intent to withdraw. As with official withdrawals, resident students are expected to leave campus as soon as possible after the withdrawal. The regular refund policies of the college apply. Medical withdrawals can be recorded up to the last day of class for the semester and are never retroactive (all documentation from a medical professional must be received before the last day of classes for the withdrawal to be considered medical). In the case of a medical withdrawal, all grades are recorded as “W” regardless of the time in the semester and all relevant offices and professors will be notified.

A student may also be required to take a medical withdrawal at the request of the College when a student’s illness or associated behaviors present a risk to the safety of the student or others or are significantly disruptive to the community. The Dean of Students in consultation with medical professionals will make the determination when a mandatory medical withdrawal will be required and by what date the student must leave campus.

Students who have taken a medical withdrawal are eligible to apply for re-activation and must do so through the Registrar’s Office. Students are strongly encouraged to take a full semester away from the college to address the medical issues before seeking to return. Depending on the situation and the time in the semester that the withdrawal takes place this may be a required condition of the withdrawal/readmission. Students who leave on a medical withdrawal will be asked to submit confirmation that they have addressed the medical condition and are ready to return to full participation in the educational program of the college. This may require documentation from a licensed medical practitioner.

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Students on a medical withdrawal will receive an email address on our alumni server while they are away from the college. Notification of this change will come from the Information Technology office.

Minors
A minor program is a concentrated course of study in a given discipline or subdiscipline, which includes 15-18 credit hours of study, comprises at least 9 credits outside the student's major program and other major or minor programs taken at Unity College, comprises at least 6 credit hours taken in residence at Unity College, and has been approved by the faculty as a minor program. For information about approved minors, go to page 68. No substitution of courses in a minor are allowed.

Operative Catalog
Unity College views the catalog as the primary contract between the college and the student. Students must follow the graduation requirements from the catalog which was in effect at the time of their matriculation, or students may, at their option, elect to fulfill the requirements in any subsequent catalog, provided they were enrolled at the time the catalog was published.

In either case, the catalog is to be considered in its entirety; students may not fulfill part of their requirements from one catalog and another part from another catalog. Unity College reserves the right to change any of the statements made in the catalog by reasonable notice in a supplement or replacement publication.

Readmission
Students who previously attended Unity College and officially withdrew in good standing may be readmitted by applying to the registrar. Students who were dismissed or who did not enroll in classes the previous semester must also apply to the registrar.

Second Degree Requirements
Students desiring a second degree in addition to either the B.A., B.S. or B.G.S. must complete a second residency requirement of 45 credit hours, all taken after the completion of the first bachelor's degree.

Special Students
A special student is one who is not pursuing a degree at Unity College. Any person with a high school diploma or a graduate equivalency diploma may apply directly to the registrar to take courses as a special student.

Special students accumulating more than 15 credits must receive the approval of the registrar. Special students who wish to matriculate must follow normal application procedures. Credits earned by a special student may be applied toward a Unity degree program.

Status/Full-Time and Part-Time
A full-time student is matriculated into a degree program and carries a minimum of 12 credit hours in a semester.

A part-time student is matriculated into a degree program, but carries fewer than 12 credit hours in a semester. Students are billed as full-time students for 12 to 16 credit hours, and financial aid is awarded on the basis of at least 6 credit hours of enrollment.

Time Limit
Students enrolled in a degree program may continue to work toward their degree program under the requirements which were in effect at the time they matriculated, providing there have been no breaks of more than 24 months. Students who have a break of more than 24 months must then meet requirements of the catalog in effect at the time they reenter the college. The college reserves the right to make substitutions for courses which are no longer offered.

Transfer Credits
Transfer credit may be awarded up to a maximum of 90 credit hours in a bachelor's program (30 in an associate degree) for work successfully completed with a grade of C or better at accredited institutions of higher learning. Courses offered for transfer should be comparable to courses at Unity, but other courses will be considered if appropriate to the applicant's program of study. Transfer students should refer to individual course descriptions to determine when those
courses scheduled on alternate year basis will be offered. All final official college transcripts must be part of the student’s academic file prior to August 1st for students enrolling in the fall semester and the first day of classes for students entering in the spring semester. If final transcripts are not received before the designated times, the initial transfer evaluation will be revised and credit will not be awarded.

Veteran Students

Unity College welcomes applications from veterans as well as from active duty military personnel, reservists, the National Guard, widows and widowers of veterans, and war orphans. Those persons wishing to be considered for educational benefits from the Veterans Administration must submit to the registrar copies of discharge papers (DD-214), and, if applicable, marriage licenses and birth certificates of dependents, along with the appropriate applications. Official transcripts of any previous training must also be submitted to the veteran’s office. Dependents of deceased or service-connected disabled veterans must contact the veteran’s center that holds the veteran’s records, and inform the center of their intention to attend Unity College.

The degree programs of Unity College are approved by the Maine State Approving Agency for Veterans Education Programs for persons eligible for educational benefits (GI Bill) from the U.S. Department of Veteran Affairs. Students who have questions about their eligibility should visit the Veterans Administration website at www.gibill.va.gov or call (toll free) 888.442.4551. Students who request veteran's educational assistance are required to have all previous post-secondary experience evaluated for possible transfer credit in order to be eligible for benefits. For more information contact the registrar of Unity College.

Veteran students are expected to complete all of their registered courses each semester. Any change in academic workload must be reported to the registrar. Failure to do so may result in an overpayment. Unity College’s degree programs are approved by the Maine State Approving Agency for Veterans Education.

Withdrawal from the College

Students are considered officially withdrawn when they complete the withdrawal process designated by the registrar. Grades of — “W” will be recorded if the process is finished before final examinations begin. Students who fail to complete the process are liable for academic penalty, which may include a failing grade.

Students who leave the college without officially withdrawing are considered enrolled students and their grades will be recorded. This regulation may be waived by the President on the recommendation of the Senior Vice President for Academic Affairs when circumstances warrant.

Refunds are based on the published refund schedule and determined by date of withdrawal.

Statement of Academic Freedom

Academic freedom is essential to the fulfillment of the educational purposes of the college. Encouragement of an atmosphere of confidence and freedom is balanced by an expectation of responsible judgment as it relates to respect for the individual and for the institution. Further, there is an obligation when expressing personal opinion to indicate it is not necessarily representative of the institution’s position. There shall be freedom from any censorship, threat, restraint, or discipline by the college with regard to the pursuit of truth in the performance of teaching, research, publishing or public service. This position is in keeping with the Statement of Academic Freedom and Tenure as published in 1940 and revised in 1990 by the American Association of University Professors (AAUP).

The Unity College Honor Code

Every member of the Unity College community is responsible for upholding the principles of academic honesty. Personal ethics and academic community integrity should govern student action.

Academic Integrity

The Unity College Honor Code requires that students be honest in all academic work. By joining the Unity College Community, students express their willingness to accept the responsibilities and privileges of the academic community. Furthermore, students understand that their name on any assignment—written or otherwise—shall be regarded as assurance that the work is the result of their own thought and study, except where quotation marks, references, footnotes, or other means of attribution acknowledge the use of other sources. Acknowledgment of collaboration shall be made in

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the work submitted. In examinations, students shall respond entirely on the basis of their own capacity without any assistance, except that authorized by the instructor.

The Honor Board administers the Honor Code. Appointed annually, it consists of two full-time faculty members selected by the faculty, two students appointed by the Student Government, and a member of the college community appointed by the Senior Vice President for Academic Affairs. Cases of dishonesty in academic matters are referred to the Honor Board, which exists to

- investigate alleged violations of the Honor Code,
- arbitrate all instances of student academic dishonesty not settled to the student's or the faculty member's satisfaction,
- determine if the Honor Code has been violated and to specify consequences, and
- maintain a record of alleged infractions and subsequent findings.

Students should conduct their academic activities so as to be above suspicion at all times. They should inform suspected violators of their awareness or discuss alleged incidents with an Honor Board member. If a student feels that he or she has been treated unfairly by a faculty member regarding academic integrity, that student may bring the matter to the Honor Board for resolution.

Faculty members will assume that students are adhering to the Honor Code and will conduct their classes and examinations accordingly. If a faculty member suspects a violation of the Honor Code, he or she shall first discuss the matter with the student(s). If the matter is not resolved to the satisfaction of both parties, either may call the facts to the Honor Board's attention.

Similarly, if the proceedings of the Honor Board are unsatisfactory, either party may appeal to the proper administrative channels.

Academic dishonesty includes, but is not limited to, the following:

**Plagiarism**
- quoting, summarizing, or paraphrasing any part or all of a source without acknowledging the source in the text of any written work;
- incorporating any information—data, statistics, examples, etc.—that is not common knowledge without attributing the source of that information;
- using another person's opinions, reasoning, or arguments;
- putting your name on an assignment someone else completed or submitting an assignment for one class in another class without approval of both instructors.

**Cheating**
- claiming credit for work not done independently (excluding college support services such as the LRC) without giving credit for aid received,
- accepting any unauthorized aid or communication during examinations, and
- falsifying or deliberately misrepresenting data and/or submission of work.
- submitting an assignment for one class in another class without approval.

Any student found guilty of violating the Unity College Honor Code may be suspended or dismissed from the college.

**Nondiscrimination/Harassment/Equal Opportunity Policy**
Unity College values a diverse college community where all individuals are treated with respect and dignity. The college is committed to providing a learning and working environment that is free of illegal discrimination, harassment or
Illegal discrimination, harassment, or retaliation of individuals of the campus community are against our policy and will not be tolerated.

Unity College does not discriminate on the basis of race, color, ancestry or national origin, religion, sex, sexual orientation, marital status, age, disability, veteran status, or other status protected under local, state or federal laws in the recruitment and admission of students, educational policies and procedures, and in the recruitment and employment of employees. We offer reasonable accommodation to applicants and qualified individuals with disabilities, including accommodation in the application process.

Unity College is an equal opportunity employer and operates in accordance with federal and state laws regarding non-discrimination.

Harassment is verbal or physical conduct that denigrates or shows hostility or aversion toward an individual that may involve any of the protected categories listed. Harassment on the basis of these protected categories is against the law and the policy of the college. Examples of prohibited harassing conduct include but is not limited to epithets, slurs, or negative stereotyping; threatening, intimidating, or hostile acts; denigrating jokes; written or graphic material that denigrates or shows hostility or aversion toward an individual or group; sexually-oriented conversation; or visual display of sexually suggestive pictures or objects.

These policies apply to all students and employees and is related to conduct engaged by fellow employees, students, or third parties with whom students and employees interact with in the course of their learning or jobs. Those that experience or witness discrimination, harassment or retaliation are encouraged to promptly report to the Dean for Student Affairs (students) or the Director of Human Resources (employees), who will investigate complaints. The type of discipline will be determined by reflecting on the severity of the conduct, up to and including suspension or termination from school or dismissal from the college.

The Family Education Rights and Privacy Act of 1974 (and Amendments)

ANNUAL NOTICE OF STUDENT EDUCATION RECORDS AND INFORMATION RIGHTS

The Family Educational Rights and Privacy Act (FERPA) affords students certain rights with respect to their education records. These rights include:

(A) Inspection of Records
A student has right to inspect and review his or her education records within 45 days of the day the College receives a request for access.
A student should submit to the registrar a written request that identifies the record(s) the student wishes to inspect. The registrar will make arrangements for access and notify the student of the time and place where the records may be inspected in the presence of a campus official.

(B) Amendment of Records
A student has the right to request the amendment of his or her education records that the student believes are inaccurate, misleading, or otherwise in violation of the student's privacy rights under FERPA.
A student who wishes to ask the College to amend a record should write the registrar, clearly identify the part of the record the student wants changed, and specify why it is inaccurate or misleading.

If the College decides not to amend the record as requested, the College will notify the student in writing of the decision and the student's right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing.

(C) Disclosure of Records
Unity College must obtain a student's written consent prior to disclosure of personally identifiable information contained in education records except in circumstances permitted by law or regulations, some of which are summarized below.

1. Directory Information
Unity College designates the following student information as directory information that may be made public at its discretion: name, address, telephone listing, email address, photograph, date and place of birth, major field of study, grade level, enrollment status, most recent educational agency or institution attended, and student ID number or other unique identifier other than a Social Security number (but only if the identifies cannot be used to gain access directly to education records without one or more other factors such as a password), participation and grade level of
students in officially recognized activities and sports, height and weight of student athletes, dates of attendance in the college, degrees, honors and awards received, and photographs and videos relating to student participation in campus activities open to the public.

Students who do not want the college to disclose directory information must notify the Registrar’s Office in writing by September 15th or within thirty (30) days of enrollment, whichever is later. This opt-out request will remain in effect unless and until it is rescinded.

2. School Officials with Legitimate Educational Interests
Education records may be disclosed to school officials with a —legitimate educational interest." A school official has a legitimate educational interest if he/she needs to review an education record in order to fulfill his/her professional responsibility. School officials include persons employed by the college as an administrator, supervisor, academic or research faculty or staff, or support staff member (including health or medical staff and law enforcement unit personnel); persons or companies with whom the college has contracted to provide specific services (such as attorneys, auditors, medical consultants, field placement supervisors and other related personnel, collection agencies, evaluators or therapists); Board of Trustee members; students serving on official committees or assisting other school officials in performing their tasks; and volunteers who are under the direct control of the college with regard to education records.

3. Health or Safety Emergencies
In accordance with federal regulations, the college may disclose education records in a health or safety emergency to any person whose knowledge of the information is necessary to protect the health or safety of the student or other individuals without prior written consent.

4. Other Institutions of Higher Education
Unity College sends student education records to other institutions to which a student seeks or intends to enroll, or is actually enrolled including disciplinary records, attendance records, disability records and health records that pertain to the student’s enrollment at Unity College.

5. Other Entities/Individuals
Education records may be disclosed to other entities and individuals as specifically permitted by law. Students may obtain information about other exceptions to the written consent requirement by request to the Registrar’s Office.

D. Complaints Regarding Unity College’s Compliance with FERPA

Students who believe that the College has not complied with the requirements of FERPA have the right to file a complaint with the U.S. Department of Education. The office that administers FERPA is:

Family Policy Compliance Office U.S.
Department of Education 400
Maryland Avenue, SW Washington,
DC 20202
Financial Information

Charges and Payments

Basic Costs 2010-2011

<table>
<thead>
<tr>
<th></th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuition</td>
<td>$21,400.00</td>
</tr>
<tr>
<td>Housing and Meals</td>
<td>$8,220.00</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$29,620.00</strong></td>
</tr>
</tbody>
</table>

Payment Due Dates

All charges are due in full on or before August 1 for the fall semester and December 15 for the spring semester. Bills are based on a full-time course load in the chosen program of study and are sent to first-time students in early May and returning students in early June. A 1.5 percent per month late charge may accrue on all unpaid balances.

Unity College Monthly Payment Plan

Unity College offers the Unity College Monthly Payment Plan to students with accounts in good standing. Unity College defines accounts in good standing to be accounts which are paid in full in a timely fashion for prior semesters. Under this plan, all amounts due to Unity College can be paid out over a ten-month period commencing on June 25th. A non-refundable $75 application fee will be charged to participate in this plan. In order to participate, students must complete an application form and mail it to:

Unity College
Office of Student Accounts
90 Quaker Hill Road
Unity, Maine 04988

The Unity College Monthly Payment Plan application must be accompanied with the calculated monthly payment amount and the application fee. All subsequent payments are due on the 25th of the month. Payments can be made online at www.unitycollegepayments.com or by check mailed with coupon made payable to Unity College, or by signing up for our direct debit option. Late payments are subject to a 1.5 percent late fee per month on the unpaid balance.

Failure to Pay

Failure to pay bills in full when due may result in the revoking of Unity College privileges, including but not limited to, issuance of grades, and/or transcripts, registration for subsequent semesters, participation in graduation ceremonies, and participation in registered classes and examinations. It is imperative that a student contact the Student Accounts Office if any of the charges are disputed at 207-948-3131 ext. 261

Student Expenses

Tuition and Fees

<table>
<thead>
<tr>
<th></th>
<th>Amount</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuition</td>
<td>$10,700</td>
<td>For students taking 12-16 credit hours. Credit hours less than 12 or more than 16 are charged at a rate of $800 per credit hour.</td>
</tr>
<tr>
<td>May Session</td>
<td>$440</td>
<td>Courses taken during the May session are charged at a rate of $440 per credit hour.</td>
</tr>
<tr>
<td>Tuition Charges</td>
<td>$100-$1500</td>
<td>Course fees are associated with some of the specialized courses which require additional costs not included within the regular tuition charges</td>
</tr>
<tr>
<td>Outward Bound</td>
<td>$6,710</td>
<td>Outward Bound/Unity College semester (OBWS). In addition to regular tuition there is a fee of $6,710.</td>
</tr>
</tbody>
</table>
SAGE fee $400 For students enrolled in Student Academic Growth Experience

Credit by Examination $100 Unity College Designed Examination for Credit. (UCDEC)

Audit Fee $50 Separate from regular tuition and is charged per credit.

Internship/Independent Study $440 An internship or independent study outside the regular semester enrollment is charged at a rate of $440 per credit hour.

Transcript $5 For each copy after initial transcript.

Graduation Application $100 Application Fee.

**Housing and Meals**

Housing Deposit $100 A housing deposit is required of any non first time Unity College Student to hold a room on an annual basis. Deposits will be nonrefundable after June 1.

Damage Deposit $100 This deposit is refundable less any room damages. Your deposit is held until your stay at the college terminates or until you terminate your residence hall arrangements.

Housing $2465 For all campus residents double occupancy.

Single occupancy may be requested for an additional cost of $500 per semester and will be available on a need and first-come, first-served, space-available basis.

Triple occupancy may be assigned when there is a shortage of residence hall space.

Cottage: there will be an additional $500 charge per semester for each resident in a cottage.

Residents enter into a campus contract prior to their occupancy. Refunds are made according to the provisions of the college refund policy.

Meal Plan $1645 Unity College offers two meal plans (see Dining Services for details). A meal plan is required by each student residing on campus with the exception of cottage residents.

May Session In addition to course fees, $50 per day for housing and meals will be assessed.

**Miscellaneous Expenses**

Application Fee $25 Nonrefundable.

Application Fee (International Student) $50 This amount is to help defray the cost of all international correspondence. Nonrefundable.
Enrollment Deposit $250 The deposit is forfeited if you do not enroll at the College.

Enrollment Deposit $300 The deposit is forfeited if you do not enroll at the College.

(International Student)

New Student Orientation $100 The charge for housing, meals, and activities during the new student orientation program, weekend and semester programming. Nonrefundable.

NOVA $300 Mandatory fee which is connected to the Unity Experience course. This is an Adventure/Service learning based experience for each student entering Unity College. Nonrefundable.

Student Activity Fee (per semester) $150 Funds collected are to support the student government budget.

Student Health Insurance $423 Required annual fee unless student shows proof of other coverage. Coverage is for 12 months, and is automatically charged to each student account. If you do not choose to participate in the Student Health Insurance Program you must complete an online waiver at www.crossagency.com/unity

Technology Fee (per semester) $200 Mandatory fee to provide access to computers and related campus technologies, including college-managed e-mail accounts on, internet access and a variety of software.

Refund Add/Drop Policy

Tuition and Fees

Courses may be added or dropped during the add/drop period without additional costs if credit hours fall between 12-16 credit hours. Students taking more than 16 credits are charged an additional fee per credit hour. Students taking fewer than 12 credit hours are charged for credit hours taken.

Housing and Meal Plans are billed on a semester basis; the student is financially responsible for a full academic year in accordance with the terms of the housing and meal plan contract.

Refund Schedule for Tuition, Room & Board and Applicable Fees

If a student officially withdraws from the College or the housing and/or meal plan, the following reductions will be made:

<table>
<thead>
<tr>
<th>Refund</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prior to the first day of classes</td>
<td>100%</td>
</tr>
<tr>
<td>1-5 days</td>
<td>90%</td>
</tr>
<tr>
<td>6-12 days</td>
<td>75%</td>
</tr>
<tr>
<td>13-19 days</td>
<td>50%</td>
</tr>
<tr>
<td>20-26 days</td>
<td>25%</td>
</tr>
<tr>
<td>27 or more days</td>
<td>0%</td>
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</tbody>
</table>
May Session

<table>
<thead>
<tr>
<th>Refund</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prior to the first day of class</td>
</tr>
<tr>
<td>1-2 days</td>
</tr>
<tr>
<td>3-4 days</td>
</tr>
<tr>
<td>5 days</td>
</tr>
<tr>
<td>More than 5 days</td>
</tr>
</tbody>
</table>

A prorated per diem refund will be allowed for the following reasons only: (1) academic dismissal or (2) illness or injury requiring withdrawal from college.

Students receiving any federally sponsored financial aid, such as Federal Pell Grants, or Federal Stafford Loans, are subject to a separate Federal policy pertaining to the amount of those federal funds they may retain when they withdraw from the college during an academic semester. This policy called, The Return of Title IV Funds Policy, prorates available aid based on the amount of the semester completed. Written examples of the refund calculations are available upon request from the financial aid office, as well as any further information that may be needed pertaining to the refund or return of Title IV Funds process.

Whenever applicable refunds are determined and any federally sponsored programs are involved, the following federally prescribed order of refund distribution is required.

REFUND DISTRIBUTION - Prescribed by Law and Regulation

TOTAL REFUND

1. Unsubsidized Federal Stafford Loan
2. Subsidized Federal Stafford Loan
3. Federal Perkins Loan
4. Federal PLUS Loan
5. Federal Pell Grant
6. FSEOG
7. Other Title IV Aid Programs

Financial Aid

Many students and their parents assume that attending a private college will cost too much or that their income is too high for them to qualify for financial aid. Often these assumptions are not correct. Financing a college education is not easy. It involves a significant commitment on the part of students and parents, but in most instances financial aid will make it possible for a student to attend a private college often at a cost similar to costs at state colleges or universities. In any case, you will never know whether you can afford to attend Unity College unless you apply for admission and financial aid.

Unity College will continue to do everything possible to make it financially possible for qualified students to attend. Approximately ninety percent of Unity students receive financial assistance.
Resources on Campus

Detailed information may be obtained from the resources below. For information in categories other than these, contact the Admissions Office.

The mailing address for all Unity College correspondence is:
Unity College, 90 Quaker Hill Road, Unity ME 04988-9502

The switchboard telephone number is 207.948.3131
The FAX number is 207.948.6277
The website is www.unity.edu

<table>
<thead>
<tr>
<th>INFO REQUIRED</th>
<th>RESOURCE AND LOCATION</th>
<th>EXTENSION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Academic Advisement</td>
<td>Registrar</td>
<td>244</td>
</tr>
<tr>
<td></td>
<td>North Coop</td>
<td></td>
</tr>
<tr>
<td>Academic and Faculty</td>
<td>Senior Vice President for Academic Affairs</td>
<td>297</td>
</tr>
<tr>
<td></td>
<td>North Coop</td>
<td></td>
</tr>
<tr>
<td>Admissions</td>
<td>Admissions Office</td>
<td>222</td>
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<tr>
<td></td>
<td>Allison M. Hall Welcome Center</td>
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<tr>
<td>Alumni</td>
<td>Alumni Relations Coordinator</td>
<td>301</td>
</tr>
<tr>
<td></td>
<td>Constable Hall</td>
<td></td>
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<tr>
<td>Athletics</td>
<td>Director of Athletics</td>
<td>283</td>
</tr>
<tr>
<td></td>
<td>Student Activities Building</td>
<td></td>
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<tr>
<td>Bookstore</td>
<td>North Coop</td>
<td>208</td>
</tr>
<tr>
<td>Career Development</td>
<td>Career Consultant/Internship Coordinator</td>
<td>213</td>
</tr>
<tr>
<td></td>
<td>Career Resource Center</td>
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<tr>
<td>College Communications</td>
<td>Associate Director of Communications</td>
<td>292</td>
</tr>
<tr>
<td></td>
<td>Constable Hall</td>
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<tr>
<td>Community-Based Learning</td>
<td>Community-Based Learning Coordinator</td>
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<tr>
<td></td>
<td>Outdoor and Career Resource Center</td>
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<td>Diversity/Equal Employment</td>
<td>Director of Human Resources</td>
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<tr>
<td>Opportunity</td>
<td>Alison M. Hall Welcome Center</td>
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<td>Development/Fundraising</td>
<td>Vice President for College Advancement</td>
<td>302</td>
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<tr>
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<td>Constable Hall</td>
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<tr>
<td>Department</td>
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<td>Dining Services</td>
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<td>Disabilities Counselor</td>
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<td>Emergency Calls</td>
<td>Public Safety Office</td>
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<td>Housing and Residence Life</td>
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<td>Learning Resources</td>
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<td>Dorothy Webb Quimby Library</td>
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<td>NOVA</td>
<td>Director of Adventure Experiences</td>
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<td>Orientation</td>
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<td>Parking Permit</td>
<td>Public Safety Office</td>
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<td>North Coop</td>
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<td>Student Accounts</td>
<td>Director of Student Accounts</td>
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<td>Transfer Students</td>
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## 2010-2011 Academic Calendar

### Fall Session

<table>
<thead>
<tr>
<th>Event</th>
<th>Date Range</th>
<th>Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>New Student Orientation</td>
<td>Saturday - Sunday</td>
<td>August 28-29</td>
</tr>
<tr>
<td>Classes Begin</td>
<td>Monday</td>
<td>August 30</td>
</tr>
<tr>
<td>Labor Day (no classes)</td>
<td>Monday</td>
<td>September 6</td>
</tr>
<tr>
<td>Add/Drop Period</td>
<td>Monday - Tuesday</td>
<td>August 30-September 7</td>
</tr>
<tr>
<td>Founder’s Day</td>
<td>Tuesday</td>
<td>September 7</td>
</tr>
<tr>
<td>Deadline to Apply for Dec. Graduation</td>
<td>Wednesday</td>
<td>September 15</td>
</tr>
<tr>
<td>Community Weekend</td>
<td>Friday - Sunday</td>
<td>September 24 - 26</td>
</tr>
<tr>
<td>Fall Break</td>
<td>Monday - Tuesday</td>
<td>October 11 - 12</td>
</tr>
<tr>
<td>Mid-Semester Grades Posted to Portal</td>
<td>Wednesday</td>
<td>October 20</td>
</tr>
<tr>
<td>Last Day to Withdraw from a Class</td>
<td>Wednesday</td>
<td>October 27</td>
</tr>
<tr>
<td>Pre-registration for Semester II</td>
<td>Monday - Friday</td>
<td>November 1 - 5</td>
</tr>
<tr>
<td>Fall Open House</td>
<td>Saturday</td>
<td>November 13</td>
</tr>
<tr>
<td>Thanksgiving Break</td>
<td>Monday - Friday</td>
<td>November 22 - 26</td>
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<tr>
<td>Classes End</td>
<td>Tuesday</td>
<td>December 14</td>
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<tr>
<td>Student Conference</td>
<td>Wednesday</td>
<td>December 15</td>
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<tr>
<td>Final Examination Period</td>
<td>Wednesday - Friday</td>
<td>December 16 - 17</td>
</tr>
<tr>
<td>Final Grades to Registrar</td>
<td>Monday</td>
<td>December 20</td>
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### Spring Session

<table>
<thead>
<tr>
<th>Event</th>
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<tbody>
<tr>
<td>New Student Orientation</td>
<td>Tuesday-Sunday</td>
<td>January 4 - 9</td>
</tr>
<tr>
<td>Classes Begin</td>
<td>Monday</td>
<td>January 10</td>
</tr>
<tr>
<td>Martin Luther King Jr. Day (no classes)</td>
<td>Monday</td>
<td>January 17</td>
</tr>
<tr>
<td>Add/Drop Period</td>
<td>Monday - Tuesday</td>
<td>January 10 - 18</td>
</tr>
<tr>
<td>Deadline to Apply for May Graduation</td>
<td>Tuesday</td>
<td>February 15</td>
</tr>
<tr>
<td>Mid-Semester Grades Posted to Portal</td>
<td>Wednesday</td>
<td>February 23</td>
</tr>
<tr>
<td>Last Day to Withdraw from a Class</td>
<td>Wednesday</td>
<td>March 2</td>
</tr>
<tr>
<td>Spring Break</td>
<td>Monday - Friday</td>
<td>March 7 - 18</td>
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<tr>
<td>Spring Open House</td>
<td>Saturday</td>
<td>March 26</td>
</tr>
<tr>
<td>Pre-registration for Semester I</td>
<td>Monday - Friday</td>
<td>April 4 - 8</td>
</tr>
<tr>
<td>Classes End</td>
<td>Friday</td>
<td>April 29</td>
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<tr>
<td>Student Conference</td>
<td>Monday</td>
<td>May 2</td>
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<tr>
<td>Final Examination Period</td>
<td>Monday - Wednesday</td>
<td>May 3- 4</td>
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<tr>
<td>Graduation</td>
<td>Saturday</td>
<td>May 7</td>
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<tr>
<td>Final Grades to Registrar</td>
<td>Monday</td>
<td>May 9</td>
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### May Session

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<td>Drop Period</td>
<td>Monday - Tuesday</td>
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<tr>
<td>Classes End</td>
<td>Friday</td>
</tr>
<tr>
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