Thompson School of Applied Science

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Associate in Applied Science
Applied Animal Science
- Dairy Management
- Equine Management
- Small Animal Care

Applied Business Management
- Business Computing
- Business Management

Civil Technology
- Architectural Technology
- Construction Management
- Surveying and Mapping

Community Service and Leadership
Food Services Management
- Dietetic Technician
- Restaurant Management

Forest Technology
- Forest Technician

Horticultural Technology
- Landscape Operations
- Floriculture Operations
- General Ornamental Horticulture

The Thompson School of Applied Science, established in 1895, is a division of the College of Life Sciences and Agriculture within the University offering the associate in applied science degree. The Thompson School of Applied Science offers 15 program specializations. They comprise a balance of professional, science-related, and general education courses in applied curriculums that prepare students to meet the specific demands of a technical or applied profession, continuing education, and the general demands of life.

The faculty at the Thompson School of Applied Science have significant work experience in industry and business; extensive and up-to-date knowledge of their specialties; ongoing contacts with practicing professionals; dedication to students and to excellence in education; and a commitment to practical, science-based education. They work closely with students, providing academic advising, career counseling, and special assistance when needed.

Located at the western edge of campus, the Thompson School's classrooms, laboratories, and working enterprises are designed for career-related experience under realistic conditions.

Barton Hall contains an animal science lab, a food preparation lab, a state-of-the-art grooming facility, several classrooms, and faculty offices.

Cole Hall includes a 150-seat lecture auditorium, a quantity-foods kitchen and cafeteria, a student study and lounge area, a computer laboratory, a computer-aided design (CAD) laboratory, a small classroom, and administrative offices.

Putnam Hall houses an architecture lab, a surveying and mapping lab, a Geographic Information System (GIS) lab, an agricultural mechanization shop, classrooms, and faculty offices.

Students enrolled in Restaurant Management gain practical experience in three campus restaurants: the Dairy Bar; Stacey's, and the Balcony Bistro, both located in Cole Hall.

Forestry students use a sawmill facility near campus to integrate the process of harvesting trees from a managed forest with the production of quality forest products. Students assist in the management of the UNH woodlands (a Certified Tree Farm) by participating in mapping and inventory, and in reforestation and forest protection projects.

Students have the use of the Thompson School horticultural facility, with a low- and high-temperature greenhouse, propagating facilities, refrigerated compartments, and nursery plots.

- *Business* students focus on small-to-medium size enterprises and gain real world experience through internships and course experience such as Applied Sales. The capstone course, Business Policy, is designed so students can create their own business to market a product and generate revenues used to support scholarships and special projects.

* Whether the specialty is dairy, equine or small animals, students in *Applied Animal Science* utilize state-of-the-art facilities on campus, such as the Dairy Center or new Grooming Lab. The University's herd of Morgans, Thoroughbreds, and Warmbloods are ridden on nearby trails, and in the outside or indoor arenas during class sessions.

- *Civil Technology* students access the state-of-the-art CAD (computer aided design) lab 24 hours per day, seven days per week. Along with the laboratory, they may also access a National AUTODESK training facility in Cole Hall. These facilities are complemented by the use of GPS (global positioning system) surveying equipment used in the field.

- *Dietetic Technician* students learn to assess the dietary needs of patients or clients. These students earn valuable experience through 450 hours of a clinical practicum in nearby hospitals, nursing homes, community health centers and assisted living facilities.

- Students majoring in *Community Service and Leadership* gain enriching experiences working with organizations such as Families First, NH Housing Partnership, Red Cross, New Hampshire Public Television's station and on-campus groups. Students are involved with creating, operating and evaluating these service-learning activities.

Associate in Applied Science Degree

To graduate with an associate in applied science degree, a student must complete specified coursework in the three academic areas of study defined below, with an overall grade-point average of no less than 2.00 (out of 4.00). In addition, students must earn the minimum number of total credits required for each specialization.

General Education

These are courses designed for personal and professional development with special emphasis on the ability to think critically, to communicate effectively, to understand computer technology, and to process quantitative data. In addition, they serve to acquaint the student with some of the major modes of thought necessary to understand oneself, others, society, and the environment. In this area a student must complete:

- one course in computer literacy;
- one course (3–4 credits) in mathematics;
- two courses (6 credits) in communications, to include COM 209, Expository Writing and Reading, plus an elective;
- two courses (6 credits) in social sciences, the arts, or the humanities, to include either SSCI 201 Human Relations, or SSCI 202 Social Issues, plus an elective.

For course descriptions, see the Thompson School's General Education Section, page 244.

Technical Specialization

These are courses designed to develop the necessary scientific knowledge, technical skills, and practical experience required for employment in a professional discipline. Each student must complete all technical courses specified in the selected program of study.

See the Program of Study Sections for course requirements and descriptions.

General Electives

This component of the degree program allows the individual to pursue courses of personal or professional interest. In this area, a student may choose a number of courses in each program of study specified as electives. These may be chosen from any courses offered by the Thompson School or from selected University undergraduate courses with adviser approval.

Full-Time and Part-Time Programs

The associate in applied science degree at the Thompson School can be completed by pursuing either a full-time or part-time program. Most students enroll in the full-time program. This allows completion of a program of study in four semesters (the traditional two-year period). The sequence of required courses and semester schedules for each program are defined throughout this catalog.

Some students who cannot attend on a full-time, two-year schedule or who wish to spread the financial investment of a college education over a broader period, elect the option of part-time study. This allows students to work toward completion of the degree over an extended period, typically two to five years. The schedule can be shortened or lengthened to meet the needs of individual students. Part-time degree students register for courses through the UNH Division of Continuing Education and are treated in all respects as full-time students. For further information and a brochure on the part-time program, please contact the Thompson School at (603) 862-1025 or (603) 862-3115.

Admissions

The Thompson School welcomes applications from both high school and adult students.

High school students who plan to enter the Thompson School after graduation will be considered on the basis of high school course selection, academic achievement, class rank, and high school recommendations. Emphasis is placed on the applicant's personal motivation, demonstrated interest in a career field, and preparation for Thompson School programs.

All traditional-age students must submit the results of the Scholastic Assessment Test (SAT-I). Adult students who have been out of high school for a number of years may request that the Office of Admissions waive the SAT-I requirement.

For an adult student who graduated from high school several years ago, the Office of Admissions will consider not only his or her academic record but also accomplishments since high school. Important factors will include professional work and advancement and motivation to succeed in Thompson School courses. In addition, applicants will be considered on the basis of any available test scores such as General Education Development (GED), Scholastic Assessment Test (SAT-I), and College Level Examination Program (CLEP); letters of reference; previous college study; and military record (if applicable).

A number of Thompson School specializations require satisfactory work in specific high school preparatory courses. These admission requirements are listed under each career specialization in this catalog.

How to Apply

You may request an application for admission and additional information from either of the following offices: UNH Office of Admissions, Grant House, 4 Garrison Avenue, Durham, NH 03824-3510, (603) 862-1360; or Thompson School of Applied Science, Cole Hall, 291 Mast Road, Durham, NH 03824-3562, (603) 862-1025.

Applications may be submitted at any time during the calendar year. Notice of admission to the Thompson School will normally be sent within 30 days following receipt of all required information.

Please note: Priority deadlines for those students requesting UNH residential housing is February 1 for the fall semester and November 1 for spring semester. Housing assignments will be handled on a space-available basis after February 1. The UNH financial aid deadline is March 1 for the fall semester.

Campus Visits

Prospective students are encouraged to participate in an interview at the Thompson School, attend an open house, and/or take a tour of the Thompson School and the rest of the UNH campus. Open houses are conducted in the fall and spring. Interviews are recommended but not required. Interviews are conducted by a student admissions representative, who will give you a sense of the Thompson School from a student's perspective or the Thompson School's Admissions Coordinator. To attend an open house or to arrange your visit, please contact the Thompson School at (603) 862-1025 or visit our Web site at www.unh.edu/thompson-school.

Expenses, Financial Aid, and Scholarships

Costs for students include tuition, room and board, books and supplies, and personal and travel expenses. These costs are the same for any student enrolled at the University of New Hampshire (see Fees and Expenses, page 14) and students majoring at the Thompson School have access to the same student services. (See also Campus Life, page 6; Programs and Services for Students, page 8; Health Services, page 13.) Required curriculum and lab fees for Thompson School programs are listed with each specialization.

For information about scholarships, loans, and work-study, write the Financial Aid Office, Stoke Hall, 11 Garrison Avenue, Durham, NH 03824-3511; or call (603) 862-3600. A financial aid form must be on file to be considered for many scholarships. (See also Financial Aid, page 6.)

The Thompson School and the College of Life Sciences and Agriculture also provide scholarship opportunities for Thompson School students. Call (603) 862-1025 for a list of these possibilities or check our Web site at www.unh.edu/tsas/scholarships.

New England Regional Student Program

The Thompson School of UNH participates in the New England Regional Student Program of the New England Board of Higher Education, in which each state university system in New England offers a number of regional curricula to students from other New England states. Under this program, students pay in-state tuition plus 50 percent. See the table below for Thompson School programs that are eligible in 2003–2004. Eligibility under this program may vary from year to year, so it is suggested that you obtain further information by contacting the New England Board of Higher Education, 45 Temple Place, Boston, MA 02111; (617) 357-9620. You may also contact the UNH Office of Admissions or the Thompson School for more information.

Thompson School of Applied Science New England Regional Student Program

2003–2004 Academic Year Associate Degree Program:	**Available to Residents of**
Applied Animal Science	
Dairy Management	MA, ME, RI, VT
Equine Management	MA, ME, RI, VT
Small Animal Care	MA, ME, RI, VT
Civil Technology	
Architectural Technology	CT, RI
Construction Management	CT, RI
Surveying and Mapping	CT, RI
Food Services Management	
Dietetic Technician	MA, RI, VT
Restaurant Management	MA, RI, VT
Forest Technology	
Forest Technology	CT, MA, RI, VT
Horticultural Technology	
Floriculture Operations	RI
Landscape Operations	RI
General Ornamental Horticulture	RI

Transfer Opportunities

UNH invites Thompson School graduates to continue their education at the University. Many of the technical associate degree programs offered by the School have baccalaureate degree counterparts. Specifically, these counterparts include civil engineering, forestry, environmental horticulture, animal sciences, dairy management, nutritional sciences, business administration, and hospitality management. Many other baccalaureate majors are also available. A final grade-point average of at least 2.50 is required for transfer to most programs; some UNH baccalaureate programs require a higher grade-point average. Successful completion of a baccalaureate degree usually requires at least two-and-one-half years of additional study at the University. Other colleges and universities also welcome graduates from the Thompson School, especially those within the University System of New Hampshire.

Program Abbreviations

The following abbreviations are used to identify Thompson School of Applied Science courses.

AM	Agricultural Mechanization
AAS	Applied Animal Science
ABM	Applied Business Management
ANSC	Animal and Nutritional Science
CT	Civil Technology
COM	Communications
CSL	Community Service and Leadership
CD	Community Development
FSM	Food Services Management
FORT	Forest Technology
HT	Horticultural Technology
MTH	Mathematics
NUTR	Nutrition
PHYS	Physics
PBIO	Plant Biology
SSCI	Social Science
ZOOL	Zoology

Programs of Study

Applied Animal Science

(For descriptions of courses, see page 236.)

Applied Animal Science provides students with hands-on practical skills combined with knowledge and understanding of the latest technology. The core program provides a solid background in anatomy, physiology, nutrition, health, and animal breeding. In addition, students choose a specialization in either equine management, dairy management, or small animal care. Each specialization also allows for choices of elective courses in other areas.

Practical learning experience is provided at the UNH equine facilities and the UNH Dairy Center. The Thompson School also operates its own grooming shop and biology laboratories. The curriculum has a number of animal-related educational programs, including an educational partnership with the NHSPCA in Stratham, NH, and field trips to many animal-related businesses.

Curriculum Fee

Applied animal science, all specializations: $485*

Applied Animal Science Curriculum Standards

Applied Animal Science students must maintain a 2.00 average in AAS classes after 2 semesters (32 credits) to take additional AAS classes. Student with AAS averages lower than 2.00 must repeat classes with lower grades and raise their average to 2.00 before taking additional AAS classes. Students must have a cumulative 2.00 average in AAS classes to qualify for graduation from the program.

Dairy Management

To work in the highly technical, rapidly changing field of dairy management, students must become well versed in the many aspects of dairy farm operation and management. In the dairy management specialization, students put many of the skills learned in the classroom into practice immediately. Students learn to balance rations, identify and treat diseases, read a bull proof, and gain many other skills. They work at the University's dairy farm, a state-of-the-art teaching and research center, where students work with each other to manage the CREAM (Cooperative for Real Education in Agriculture) herd.

Students learn the business of farming through field exercises in land management, forage production, financial management, and computer use on a dairy farm as well as continued practical experience with cattle. The program prepares students to work both on the farm or in related businesses.

*This one-time, nonrefundable fee is required to cover laboratory materials, specialized equipment maintenance, and transportation that is unique to the applied nature of each specialization. The curriculum fee covers the entire two-year course of study. The special fees listed in the course description are for nonmatriculating students only.

Career Opportunities: Herds manager, agricultural sales and/or service employee, farm manager, artificial insemination (AI) technician, crop manager, farm or farm business owner.

Dairy Management Program of Study
Course, Credits

First Year, Fall Semester
AAS 228, Anatomy and Physiology of Domestic Animals, 4 cr.
AAS 231, Introduction to Animal Science, 4 cr.
AAS 244, Introduction to Dairy Management, 4 cr.
AAS 278, AAS Computer Applications, 1 cr.
COM 209, Expository Writing and Reading, 4 cr.

First Year, Spring Semester
AAS 223, Dairy Selection, 2 cr.
AAS 234, Equipment and Facilities Management, 3 cr.
AAS 239, Fundamentals of Animal Health, 3 cr.
AAS 242, Introduction to Business, 2 cr.
COM 212, Technical Writing, 2 cr.
MTH 202, Math II, 3 cr.

Second Year, Fall Semester
AAS 232, Animal Forages, 3 cr.
AAS 235, Animal Nutrition, 3 cr.
AAS 246, Management Applications, 4 cr.
AAS 275, CREAM (Cooperative for Real Education in Agriculture) Program, 4 cr.
AAS 297, Work Experience (summer), 0 cr.
SSCI class, 2–4 cr.

Second Year, Spring Semester
AAS 240, Animal Breeding, 3 cr.
AAS 258, Comparative Dairy Operations, 1 cr.
AAS 264, Dairy Nutrition Practicum, 1 cr.
AAS 275, CREAM Program, 4 cr.
SSCI 201, Human Relations *or*
SSCI 202, Social Issues, 4 cr.

Recommended electives include
AAS 221, Dairy Production Techniques
AM Agricultural Mechanization courses

Total: 68–70 credits

Equine Management

As part of new leisure industries, the equine industry in New England encompasses many different facilities and disciplines. Students in the equine management specialization combine courses in the most recent technical information with related practical experience. They gain hands-on experience in bandaging, selection, ration-balancing by computer, fitting and care of equipment, and farm and barn analysis. They also acquire decision making and managerial skills. Graduates have a solid basis for direct employment opportunities yet enough flexibility to further their education.

The riding focus at UNH is balance seat with schooling in dressage, cross country, and stadium jumping. Thompson School students in horsemanship classes ride in the UNH program and have the opportunity to compete in intercollegiate shows.

Career Opportunities: Riding instructor, barn manager, breeding farm manager, sales (tack shops, grain stores), horse show manager, veterinary assistant/equine practice.

Equine Management Program of Study
Course, Credits

First Year, Fall Semester
AAS 228, Anatomy and Physiology of Domestic Animals, 4 cr.
AAS 231, Introduction to Animal Science, 4 cr.
AAS 237, Equine Management Techniques, 4 cr.
AAS 278, AAS Computer Applications, 1 cr.
COM 209, Expository Writing and Reading, 4 cr.

First Year, Spring Semester
AAS 226, Equine Conformation and Lameness, 4 cr.
AAS 234, Equipment and Facilities Management, 3 cr.
AAS 239, Fundamentals of Animal Health, 3 cr.
AAS 242, Introduction to Business, AAS, 2 cr.
COM 212, Technical Writing, 2 cr.
MTH 202, Math II, 3 cr.

Second Year, Fall Semester
AAS 232, Animal Forages, 3 cr.
AAS 235, Animal Nutrition, 3 cr.
AAS 246, Management Applications, 4 cr.
AAS 247, Applied Equine Management, 3 cr.
AAS 297, Work Experience (summer), 0 cr.
SSCI class, 2–4 cr.
ANSC 402, Horsemanship, 3 cr.

Second Year, Spring Semester
AAS 240, Animal Breeding, 3 cr.
AAS 252, Advanced Equine Management, 4 cr.
AAS 253, Equine Competition Management, 2 cr.
SSCI 202, Social Issues, 4 cr.
Electives 2–5 cr.

Recommended electives
AAS 272, Comparative Equine Operations
AAS 293, Equine Field Operations
ANSC 507, Equine Discipline (ANSC 402 is a prerequisite)

Total: 65–68 credits

Small Animal Care

Animal companionship provides millions of people an oasis in a hectic, impersonal world, and pet owners consistently seek additional advice on the care of their animals. The small animal care specialization prepares students to work in companion animal jobs of all types.

In their first year, students gain experience in breed types, behavior, genetics, restraint, and training of dogs and cats. Students also master laboratory procedures such as fecal examination and heartworm testing. In addition, the students learn the basics of grooming, nutrition, first aid, disease prevention, pharmacology, and toxicology. During their second year, students spend four hours a week at the NHSPCA performing all aspects of animal care.

Career Opportunities: Veterinary assistant, laboratory animal caregiver, pet store manager, pet groomer, kennel manager, animal care and control technician, animal-assisted activities/therapy volunteer and/or coordinator.

Small Animal Care Program of Study
Course, Credits

First Year, Fall Semester
AAS 228, Anatomy and Physiology of Domestic Animals, 4 cr.
AAS 230, Small Animal Breeds and Behavior, 4 cr.
AAS 231, Introduction to Animal Science, 3 cr.
AAS 278, AAS Computer Applications, 1 cr.
COM 209, Expository Writing and Reading, 4 cr.

First Year, Spring Semester
AAS 222, Small Animal Grooming, 2 cr.
AAS 239, Fundamentals of Animal Health, 3 cr.
AAS 242, Introduction to Business, AAS, 2 cr.
AAS 249, Small Animal Care Techniques, 2 cr.
Electives 1–3 cr.
COM 212, Technical Writing, 2 cr.
MTH 202, Math II, 3 cr.

Second Year, Fall Semester
AAS 235, Animal Nutrition, 3 cr.
AAS 246, Management Applications, 4 cr.
AAS 279, Small Animal Care Practicum, 2 cr.
AAS 297, Work Experience (summer), 0 cr.
SSCI 201, Human Relations, 4 cr.
AAS Electives 2– 5 cr.

Second Year, Spring Semester
AAS 224, Small Animal Management, 4 cr.
AAS 240, Animal Breeding, 3 cr.
AAS 279, Small Animal Care Practicum, 2 cr.
AAS Electives, 2-4 cr.
SSCI Class, 2-4 cr.
Electives 2–3 cr.

Recommended AAS electives
AAS 221, Dairy Production Techniques
AAS 222, Small Animal Grooming (2nd time)
AAS 227, Small Animal Diseases
AAS 237, Equine Management Techniques
AAS 251, Human/Animal Bond
AAS 254, Animal Assisted Activities and Therapy
AAS 257, Small Animal Diseases Lab (AAS 227 Prereq)
AAS 276, Introduction to Lab Animals
AAS 277, Lab Animal Practicum
ABM courses (permission required)
ANSC 402, Horsemanship
ANSC 406, Careers in Animal Science

Total: 64–70 credits

Admissions Requirements

Applicants to the dairy management, equine management, and small animal care specializations must present at least one year of satisfactory work in college preparatory biology and two years of college preparatory math.

One year of high school chemistry is also highly recommended. Students with weaknesses in these academic areas are encouraged to take refresher classes before starting their coursework in the applied animal science program.

Applied Business Management

(For descriptions of courses, see page 238.)

The Applied Business Management program combines classwork and practical experience to give students a thorough understanding of the business field. Along with a core curriculum of skills in accounting, human resource management, marketing, sales and communications, students choose to specialize in either business computing or business management. After their first semester, students may take up to three elective courses chosen from University course offerings with approval.

Practical experience is gained through research projects with local industries, municipalities and state agencies, and student-run businesses. Students may also elect to take internships with area businesses.

Curriculum Fees

Applied Business Management:

Business computing	$205*
Business management	$105*

Business Computing

Success in managing businesses depends partly on the effective use of cutting edge personal computers and the latest and most productive applications of computer technology. The business computing specialization allows students to gain an up-to-date working knowledge of business hardware, operating systems, programming tools, networking, and applications software. In addition, students in this specialization gain a solid background in basic principles of management, accounting, supervision, communications, and business policy.

Career Opportunities: Office manager, computer specialist, assistant manager, purchasing and inventory controller, bookkeeper, business owner.

*This one-time, nonrefundable fee is required to cover laboratory materials, specialized equipment maintenance, and transportation that is unique to the applied nature of each specialization. The curriculum fee covers the entire two-year course of study. The special fees listed in the course description are for nonmatriculating students only.

Business Computing Program of Study
Course, Credits

First Year, Fall Semester
ABM 204, Principles of Management, 4 cr.
ABM 205, Applied Financial Accounting, 4 cr.
COM 209, Expository Writing and Reading, 4 cr.
MTH 201, Mathematics I, 3 cr., *or*
MTH 202, Mathematics II, 3 cr.

First Year, Spring Semester
ABM 208, Managerial Accounting, 4 cr.
ABM 218, Computer Database Management, 2 cr.
ABM 220, Computer Spreadsheet Applications, 2 cr.
ABM 222, Operating Systems and Networking , 2 cr.
COM 210, Public Speaking, 2 cr.
Electives 4 cr.

Second Year, Fall Semester
ABM 202, Professional Writing, 2 cr.
ABM 206, Human Resource Management, 4 cr.
ABM 217, Web Page Programming and Design, 4 cr.
SSCI 201, Human Relations, 4 cr.
Electives 2–4 cr.

Second Year, Spring Semester
ABM 211, Business Policy, 4 cr.
ABM 219, Desktop Publishing and Advanced Applications, 4 cr.
Social Science Elective, 2-4 cr.
Electives 4 cr.

Total: 64–66 credits

Business Management

Small- to medium-sized businesses represent the largest and fastest growing segment of the state and regional economy. The business management specialization is specifically designed for students who wish to seek entry-level management positions in existing firms, prepare for management of a family-owned business, or start a new business. Business management students gain practical exposure to essential topics in business management that prepares them to seek further specialization in a business area or to prepare for transfer to a baccalaureate program.

Career Opportunities: Office manager, nationwide management trainee programs, assistant manager, purchasing and inventory controller, bookkeeper, sales professional, business owner.

Business Management Program of Study
Course, Credits

First Year, Fall Semester
ABM 204, Principles of Management, 4 cr.
ABM 205, Applied Financial Accounting, 4 cr.
COM 209, Expository Writing and Reading, 4 cr.
MTH 201, Math I, 3 cr., *or*
MTH 202, Math II, 3 cr.

First Year, Spring Semester
ABM 207, Applied Marketing, 4 cr.
ABM 208, Managerial Accounting, 4 cr.
ABM 220, Computer Spreadsheet Applications, 2 cr.
COM 210, Public Speaking, 2 cr.
Electives 4 cr.

Second Year, Fall Semester
ABM 202, Professional Writing, 2 cr.
ABM 206, Human Resource Management, 4 cr.
ABM 214, Applied Sales, 4 cr.
SSCI 201, Human Relations, 4 cr.
Electives 2–4 cr.

Second Year, Spring Semester
ABM 211, Business Policy, 4 cr.
ABM 232, Business Law, 4 cr.
Social Science Elective 2-4 cr.
Electives 4 cr.

Total: 64–66 credits

Admissions Requirements

Students entering the business computing or business management specialization must have a minimum of two years of college preparatory mathematics (preferably three). Several ABM courses require a strong background in basic mathematics and algebra.

Civil Technology

(For descriptions of courses, see page 239.)

Civil Technology is a dynamic educational opportunity offering skill-based learning through class instruction, extensive laboratory experience, and fieldwork. Students choose from one of the following specializations: architectural technology, construction management, and surveying and mapping.

The cornerstone of the educational experience is instruction in computer- aided design (CAD) using the Thompson School's state-of-the-art CAD labs. Students in field surveying use the latest surveying equipment and students studying geographical information systems (GIS) use the new GIS Instructional Lab. Additional coursework covers building science, construction contracting, materials, soils, and methodologies of professional practice in the concentration specialties.

Curriculum Fees

Civil technology, all specializations: $70*

Architectural Technology

In the Architectural Technology specialization, students expand on the broad construction-related base of the Civil Technology curriculum. From faculty who are experienced, registered architects and engineers, students are introduced to the technical skills used in the architectural profession, including com-

puter-aided design (CAD) and building science-related technologies. Course content includes engineering-based as well as design-based disciplines. The courses, when coupled with recommended electives, provide students with a substantial knowledge for architecturally related careers. While some graduates continue their studies in accredited baccalaureate programs and become registered architects, most find work in technical support positions within the design and construction industries in either private companies or public/government entities.

Career Opportunities: Architectural technician, CAD designer, public works operations, land development planner, facilities management, engineering aide.

Architectural Technology Program of Study
Course, Credits

First Year, Fall Semester
CT 220, Professional Practice, 1 cr.
CT 222, Computer Aided Design Level 1, 4 cr.
CT 223, Introduction to Surveying & Mapping, 4 cr.
AM 280, Technical Computer Literacy./Internet Applications, 4 cr.
MTH 203, Algebra and Trigonometry, 3 cr.

First Year, Spring Semester
CT 231, Design I, 4 cr.
AM 275, Building Science/Residential Construction, 4 cr.
COM 212, Technical Writing and
SSCI 204, Leadership Effectiveness and Group Performance, 4 cr.
Elective, 4 cr.

Second Year, Fall Semester
CT 227, Mechanical & Electrical Systems, 4 cr.
CT 247, Construction Contracting, 4 cr.
CT 281, Architecture I History and Design, 4 cr.
CT 297, Work Experience, 0 cr.
COM 209, Expository Writing and Reading, 4 cr.

Second Year, Spring Semester
CT 282, Architecture II, 4 cr.
SSCI 202, Social Issues, 4 cr.
*Technical Elective, 4 cr.
Elective 4 cr.

Total: 64 credits

Construction Management

In the Construction Management specialization, students prepare for careers in land development, construction contracting and management, and land-use planning. Students learn not only how to build well but how to build wisely. They study construction and its related technologies, dealing with material selection and design, and design of foundation and drainage systems. They also examine environmental and land development issues by studying residential and commercial septic and waste disposal systems, recycling, and effective energy management. Some graduates elect to continue their education in bachelor of science programs in civil engineering or community development, or in the bachelor of engineering technology program in civil engineering.

Graduates of the Construction Management specialization find employment in a variety of building industry-related positions.

Career Opportunities: Construction supervisor, project manager, cost estimator, public works department, contractor, code enforcement officer, construction material tester, land-development planning, site evaluator for building components, construction product manufacturer, product representative, DOT engineering technician.

Construction Management Program of Study
Course, Credits

First Year, Fall Semester
CT 220, Professional Practice, 1 cr.
CT 222, Computer Aided Design Level I, 4 cr.
CT 223, Introduction to Surveying and Mapping, 4 cr.
AM 280, Technical Computer Literacy/Internet Applications, 4 cr.
MATH 203, Algebra and Trigonometry, 3 cr.

First Year, Spring Semester
CT 231, Design I, 4 cr.
CT 233, Construction Surveying, 4 cr.
CT 237, Land Design and Regulations., 4 cr.
COM 212, Technical Writing and
SSCI 204, Leadership Effectiveness and Group Performance 4 cr.

Second Year, Fall Semester
CT 230, Statics and Materials, 4 cr.
CT 247, Construction Contracting, 4 cr.
CT 297, Work Experience, 0 cr.
COM 209, Expository Writing and Reading, 4 cr.
CT 227, Mechanical and Electrical Systems 4 cr.

Second Year, Spring Semester
CT 234, Soils and Foundations, 4 cr.
SSCI 202, Social Issues, 4 cr.
*Technical Elective
AM 275, Building Science/Residential Construction, 4 cr.

Total: 64 credits

Surveying and Mapping

As land values increase and the need to use our natural resources efficiently and to protect our environment becomes more critical, the role of surveyors is expanding. The Surveying and Mapping specialization contains a core sequence of six courses (from Introductory Surveying to the Legal Aspects of Surveying) that continuously challenge students to improve their technical knowledge, computer skills, and field competency. Using electronic field measuring equipment, computers to create and plot maps, and satellite positioning technology, the surveyors and mappers of today are at the forefront of acquiring, analyzing, and managing land information.

Career Opportunities: Licensed land surveyor, DOT engineering technician, GIS technician, land development planner, construction surveyor.

Surveying and Mapping Program of Study
Course, Credits

First Year, Fall Semester
CT 220, Professional Practice, 1 cr.
CT 222, Computer Aided Design Level I, 4 cr.
CT 223, Introduction to Surveying and Mapping, 4 cr.
AM 280, Technical Computer Literacy/Internet Applications, 4 cr.
MATH 203, Algebra and Trigonometry, 3 cr.

First Year, Spring Semester
CT 231, Design I, 4 cr.
CT 233, Construction Surveying, 4 cr.
CT 237, Land Design and Regulations, 4 cr.
COM 212, Technical Writing and
SSCI 204, Leadership Effectiveness and Group Performance 4 cr.

Second Year, Fall Semester
CT 240, Legal Aspects of Surveying and
CT 243, Advanced Surveying and Mapping, 4 cr.
CT 247, Construction Contracting, 4 cr.
CT 297, Work Experience, 0 cr.
COM 209, Expository Writing and Reading, 4 cr.
Elective, 4 cr.

Second Year, Spring Semester
CT 244, Advanced Surveying Computations, 4 cr.
SSCI 202, Social Issues, 4 cr.
*Technical Elective
Elective, 4 cr.

Total: 64 credits

Elective Courses
AM 275, Building Science/Residential Construction
CT 227, Mechanical and Electrical systems
CT 230, Statics and Materials
CT 233, Contruction Surveying
CT 234, Soils and Foundations
CT 237, Land Design and Regulations.
CT 235, Intro. to Information Technology
CT 240, Legal Aspects of Surveying
CT 243, Advanced Surveying and Mapping
CT 244, Advanced Surveying Computations
CT 281, Architecture I History and Design

***Technical Elective Courses**
CT 235, Introduction to Information Technology
AM 251, Welding and Fabrication Technology
AM 262, Internal Combustion Engines II (Prereq. AM 261)

Admissions Requirement
Applicants to the architectural technology, construction management, and surveying and mapping specializations must present at least two years of satisfactory work in college preparatory mathematics.

Community Service and Leadership

(For description of courses, see page 240.)
The Community Service and Leadership Program prepares students for influential roles within community organizations by combining hands-on community outreach with an academic study of communities, leadership, citizen influence, nonprofit organization management, and general education.

CSL students participate in faculty-supervised community outreach in a wide variety of locations including schools and other learning-focused agencies, crisis shelters, environmental organizations, animal care facilities, nursing homes, advocacy programs, town offices, citizen groups and other community-related organizations.

Through their coursework, community placements, and individualized plans of study, CSL students learn how to: supervise volunteers, facilitate effective meetings, speak comfortably and knowledgeably to groups of various sizes, analyze community issues and their causes, manage financial information, organize projects and events, research and prepare grant proposals, create effective newsletters, influence public opinion, and organize people to work toward positive solutions for shared problems.

The Community Service and Leadership Program is designed to flexibly and effectively meet the needs of a diverse group of students including recent high school graduates as well as experienced community-service workers.

Community Service and Leadership Program of Study
Course, Credits

First Year, Fall Semester
COM 209, Expository Writing and Reading, 4 cr.
SSCI 201, Human Relations, 4 cr.
CSL 201, Inroduction to Community Service and Leadership, 4 cr.
CSL 200, Technology for Community Service and Leadership, 2 cr.
MTH, Mathamatics course, 3 cr.

First Year, Spring Semester
SSCI 202, Social Issues, 4 cr.
COM 210, Public Speaking, 2 cr.
CSL 205, Communication within Communities, 4 cr.
CSL 202, Introduction to Non-Profit Organizations, 3 cr.
CSL 203, Organizing and Supervising Volunteers, 3 cr.

Summer
CSL 297, Volunteer/Work Experience, 0 cr.

Second Year, Fall Semester
SSCI 204, Group Process and Leadership Development, 2 cr.
ABM 215, Business and the Community, 4 cr., *or*
CD 415, Community Development, 4 cr.
CSL 204, Managing Change and Conflict in Communities, 4 cr.
COM 211, Critical Reading, 2 cr.
Electives, 4–6 cr.

Second Year, Spring Semester
CSL 206, Literature of Family and Community, 4 cr.
CSL 210, Community Service and Leadership Capstone Seminar, 4 cr.
Electives, 6–8 cr.

Other Associated Courses
CSL 207, Introduction to Non-Profit Budgeting and Accounting Practices, 3 cr.
CSL 208, Essentials of Fund Raising for Community-Based Organizations, 2 cr.
CSL 209, Essentials of Grant Writing for Community-Based Organizations, 2 cr.
CSL 290, Civic and Community Internship, 2-4 cr.
ABM 217, Web Page Programming and Design, 4 cr.

Total: 65–69 credits

Food Services Management

(For descriptions of courses, see page 240.)
The Food Services Management program has two distinct specializations: dietetic technician and restaurant management.

Curriculum Fee
Food Services Management:

Dietetic technician	$350*
Restaurant manager	$400*

Dietetic Technician
Students who complete the dietetic technician specialization in food services management are prepared for a variety of positions in the food, fitness, and health-care industries. In a program that combines classroom work and practical experience, students learn such skills as evaluating the nutritional status of clients, developing nutrition care plans, and providing nutrition education. They also develop skills in the management of food production and delivery systems. Students participate in two practicums in the areas of medical food services management, clinical nutrition, and community nutrition for a total of at least 450 hours of field experience. These field experiences take place in local health-care settings and community nutrition programs.

The specialization is accredited by the American Dietetic Association. Students who successfully complete the program of study are eligible to sit for the Dietetic Technician Registration Exam. A dietetic technician registered is eligible for membership in the American Dietetic Association, an organization of nutrition professionals.

Career Opportunities: Registered dietetic technician. Clinical—hospitals, health-care facilities, retirement centers; Wellness—health clubs, weight clinics, wellness centers; Community—community nutrition programs, public health agencies, WIC agencies; Business—food companies, food vendors, distributors; Food services management—schools, daycare centers, restaurants.

Dietetic Technician Program of Study
Course, Credits

First Year, Fall Semester
FSM 201, Food Preparation Fundamentals, 2 cr.
FSM 278, Applied Principles of Food Preparation Lab, 1 cr.
FSM 228/229, Applied Nutrition for Dietetic Technicians, 4 cr.
MTH 201, Math I, 3 cr.
NUTR 503, Principles of Food Services Management I, 3 cr.
COM 209, Expository Reading and Writing, 4 cr.

First Year, Spring Semester
FSM 200, Introductory Chemistry, 3 cr.
FSM 207, Hospitality: Sanitation and Safety, 2 cr.
NUTR 476, Nutritional Assessment, 3 cr.
NUTR 504, Managerial Skills in Dietetics, 3 cr.
ZOOL 401, Human Biology, 4 cr.

Second Year, Fall Semester
FSM 205 Hospitality Computer Applications, 3 cr.
FSM 275, Diet Therapy, 3 cr.
FSM 290, Managerial and Clinical Dietetics Practicum, 7 cr.
COM 210 Public Speaking, 2 cr.
NUTR 510, Nutrition Education, 3 cr.

Second Year, Spring Semester
FSM 260, Community Nutrition Practicum, 5 cr.
FSM 265 Community Nutrition for Dietetic Technicians, 2 cr.
FSM 295, Dietetic Seminar, 1 cr.
SSCI 201, Human Relations, 4 cr.
SSCI 202, Social Issues, 2 cr. *or*
SSCI 204, Leadership Effectiveness and Group Performance, 2 cr. *or*
NUTR 405, Food and Society, 4 cr.

Total: 64 to 66 credits

*This one-time, nonrefundable fee is required to cover laboratory materials, specialized equipment maintenance, and transportation that is unique to the applied nature of each specialization. The curriculum fee covers the entire two-year course of study. The special fees listed in the course description are for nonmatriculating students only.

Restaurant Management

In the restaurant management specialization, students experience a carefully developed combination of classroom and laboratory work. They engage in practical, hands-on experiences, using modern commercial equipment to help them refine the necessary skills to be successful in the field. Students operate two restaurants located in the Thompson School: Stacey's Buffet, and the Balcony Bistro, an upscale gourmet dining establishment. They present weekly buffets, and cater banquets and special events sponsored by the School. Finally, a required summer internship rounds out the program's hands-on experiential learning. Students can also work at the UNH Dairy Bar (which is operated by the FSM program), the New England Center, and the UNH Bake Shop, all located on the UNH campus. Extracurricular learning and earning opportunities are available in the many restaurants located in the Seacoast area. Students who want to continue their education are strongly encouraged to take electives from the University's four-year program to get a head start on transfer status.

Career Opportunities: Restaurant owner/manager, caterer, food and beverage sales, food buyer, food and beverage manager, food services director.

Restaurant Management Program of Study
Course, Credits

First Year, Fall Semester
FSM 201, Food Preparation Fundamentals, 3 cr.
FSM 203, Introduction to Restaurant and Hospitality Management, 3 cr.
FSM 205, Hospitality Computer Applications, 3 cr.
FSM 228, Applied Nutrition, 3 cr.
COM 210, Public Speaking, 2 cr.

First Year, Spring Semester
FSM 202, Menu Management, 3 cr.
FSM 206, Food and Beverage Operations Control, 4 cr.
FSM 207, Hospitality: Service, Sanitation, and Safety, 2 cr.
COM 209, Expository Writing and Reading, 4 cr.
MTH 201, Math I, 3 cr.

First Year, Summer Semester
FSM 297, Restaurant Management Summer Internship, 3 cr.

Second Year, Fall Semester
FSM 209, Applied Restaurant Operations Management, 4 cr.
FSM 218, Beverage Operations Management, 4 cr.
FSM 240, Restaurant Sales and Promotion Management, 4 cr.
SSCI 204, Leadership Effectiveness and Group Performance, 2 cr.

Second Year, Spring Semester
FSM 208, Non-Commercial and Contract Food Service Management, 3 cr.
FSM 211, Food and Beverage Facilities Planning, 2 cr.
FSM 212, Hospitality Personnel Management, 2 cr.
FSM 215, Restaurant and Hospitality Law, 2 cr.
FSM 226, Dining Room Practicum, 2 cr.
FSM 241, Applied Buffet and Catering Management, 4 cr.
SSCI 201, Human Relations, 4 cr.

Total: 66 credits

Forest Technology

(For descriptions of courses, see page 242.)

Students in the Forest Technology program are uniquely prepared for careers in the forest industries and natural resource management in New Hampshire and New England. Classroom lecture is backed up by practical field work in each of the subject areas. The curriculum is recognized by the Society of American Foresters and reviewed by an advisery committee representing the full spectrum of forestry organizations in the region. There is strong emphasis on leadership, safety, communication skills, accuracy of field work, data collection, and professional presentation. Unique facilities for teaching and learning include centrally located classroom and shop facilities, 3,000+ acres of University-owned forest land, a sawmill and logging equipment, and a faculty dedicated to teaching with vast field experience in the subject areas.

Admissions Requirement

Applicants to the forest technology specialization must present at least two years of satisfactory work in college preparatory mathematics.

Curriculum Fee

Forest technology, specialization, $260*

Forest Technician

Forest technicians help plan, direct, and operate forestry enterprises. Students in the forest technician specialization experience a breadth and depth of instruction. They are exposed to the theory and practice of planting, thinning, and other silvicultural operations, including harvesting supervision. They learn how to design, lay out, and construct roads, trails, and recreational facilities; how to map and survey property; and how to manage woodlands to improve wildlife habitat and conserve soil, water, and other natural resources. Graduates work in the wood products–related industries, in public forestland management agencies, with forestry consulting firms or urban tree care companies, and with a range of conservation organizations.

Career Opportunities: Forestry aide, fire control technician, mapping technician, GIS technician, timber and log buyer, log scaler, lumber grader, sawmill technician, arborist, urban tree care specialist, timber cruiser/forest inventory technician, forestry equipment/products sales.

Forest Technician Program of Study
Course, Credits

First Year, Fall Semester
FORT 261, Dendrology, 3 cr.
FORT 263, Forest Ecology, 3 cr.
FORT 265, Forest Orientation Seminar, 1 cr.
FORT 283, Forestry Computer Applications, 1 cr.
COM 209, Expository Writing and Reading, 4 cr.
MTH 203, Algebra and Trigonometry, 3 cr.

First Year, Spring Semester
FORT 260, Forest Mapping, 2 cr.
FORT 266, Forest Surveying, 4 cr.
FORT 270, Applied Silviculture, 4 cr.
FORT 275, Forestry Field Practices, 1 cr.
FORT 280, Aerial-Photo Interpretation, 2 cr.
COM 212, Technical Writing, 2 cr.
Electives 2–4 cr.
Social Science Elective 2 cr.

Second Year, Fall Semester
FORT 267, Leadership, Supervision, and Safety Practices, 2 cr.
FORT 269, Wildlife Ecology and Conservation, 3 cr.
FORT 272, Mensuration, 4 cr.
FORT 277, Logging, 4 cr.
FORT 297, Forestry Work Experience, 0 cr.
Electives 2–4 cr.

Second Year, Spring Semester
FORT 273, Management Operations and Analysis, 3 cr.
FORT 274, Industrial Forest Management Tour, 2 cr.
FORT 276, Forest Products, 4 cr.
FORT 278, Forest Insects and Diseases, 2 cr.
FORT 279, Forest Fire Control and Use, 2 cr.
SSCI 202, Social Issues, 4 cr.

Total: 66–70 credits

*This one-time, nonrefundable fee is required to cover laboratory materials, specialized equipment maintenance, and transportation that is unique to the applied nature of each specialization. The curriculum fee covers the entire two-year course of study. The special fees listed in the course description are for nonmatriculating students only.

Horticultural Technology

(For descriptions of courses, see page 243.)

Horticultural Technology students study the art and science of applied plant biology, preparing for environmentally attuned careers in the Green Industry. Rigorous first-year foundation courses in plant materials, plant growth and development, and soils support second-year specializations in floriculture operations, general ornamental horticulture, or landscape operations. Employment opportunities in these areas continue to be excellent. Graduates enter a rapidly expanding job market in greenhouse production, floral design, nursery and garden center management, interior plantscaping, parks and grounds management, golf course management, arboriculture and urban forestry, fruit and vegetable production, and landscape design, construction, and maintenance. Many recent graduates have established their own horticulture enterprises.

Curriculum Fee
Horticultural technology, all specializations $305*

Floriculture Operations

Season after season, fresh, high-quality floricultural crops are in demand by an increasingly plant-loving public. Students in the floriculture operations specialization gain a solid foundation in the applied plant sciences and more concentrated studies in greenhouse crop production, floral design, and garden center management. Through facilities at the Thompson School, the University, and at commercial operations across the state, they are exposed to a range of greenhouse technologies. Students may also select a floral design sequence, combining lecture, discussion, and studio work to complement and lend structure to creative talents in floral design. Frequent field trips in the state and region reinforce learning in campus classes and labs.

Graduates of the floriculture operations specialization enter the work force with the knowledge, technical skills, and experience to move rapidly to positions of increasing responsibility. Many graduates own their own floriculture or related businesses, while others opt for continued education at the baccalaureate level.

Career Opportunities: Greenhouse crop production, garden center management, floral design, nursery production and management, flower shop management.

Floriculture Operations Program of Study
Course, Credits

First year, Fall Semester
HT 201, Freshman Seminar, 1 cr.
HT 205, Intro to Plant Materials, 2 cr.
HT 207, Plant Structure and Function, 3 cr.
HT 215, Soils and Land Use (Half-term I), 2 cr.
HT 219, Computers in Horticulture, 2cr.
HT 227A, Horticultural Facilities Management, 3 cr.
COM 209, Expository Writing and Reading, 4 cr.

First Year, Spring Semester
HT 204, Plant Propagation, 3 cr.
HT 217, Soils and Plant Nutrition (Half-term I), 2 cr.
HT 227B, Horticultural Facilities Management, 3 cr.
HT 258, Herbaceous Ornamental Plants, 2 cr.
MTH, Mathematics course, 3 cr.
COM 210, Public Speaking, 2 cr. or
COM 211, Critical Reading, 2 cr. or
COM 212, Technical Writing, 2 cr.

Second Year, Fall Semester
HT 227C, Horticultural Facilities Management, 1 cr.
HT 234, Pest Management: Diseases (Half-term II), 2 cr.
HT 236, Pest Management: Insects (Half-term I), 2 cr.
HT 237, Pest Management: Weeds (Half-term I), 1 cr.
HT 239, Pest Management: Control Applications (Half-term II), 1 cr.
HT 240, Intro to Floral Design, 2 cr.
HT 275, Floricultural Crop Production, 2 cr.
HT 297, Horticultural Work Experience, 0 cr.
SSCI 201, Human Relations, 4 cr. or
SSCI 202, Social Issues, 4 cr.
Approved Electives 1–5 cr.

Second Year, Spring Semester
HT 227D, Horticultural Facilities Management, 1 cr.
HT 276, Bedding Plant Production, 2 cr.
HT 280, Garden Center and Nursery Management, 3 cr.
HT 288, Horticultural Business Management, 4 cr.
HT 290, Senior Seminar (Half-term I), 1 cr.
SSCI 203, Environmental Issues and Society, 2 cr.
HT Electives 3–7 cr.

Total: 64–72 credits

General Ornamental Horticulture

Students who prefer to be generalists in horticultural technology may opt for the general ornamental horticulture specialization. Students gain the broadest possible background in horticultural technology, a background attractive to employers in all specialty areas. Working closely with a faculty adviser, each student designs his or her own program, taking courses in the curriculum that fulfill the student's particular needs. They first complete core requirements in the fundamentals of plant growth and development, soils, plant propagation, plant identification, and plant health care. Students may then choose elective coursework combining studies in floriculture, fruit and vegetable production, landscaping, interiorscaping, arboriculture, nursery management, and/or floral design.

Career Opportunities: Garden center manager, grounds manager, greenhouse manager, fruit and vegetable production manager, nursery manager, horticulture business owner.

General Ornamental Horticulture Program of Study
Course, Credits

First year, Fall Semester
HT 201, Freshman Seminar, 1 cr.
HT 205, Introduction to Plant Materials, 2 cr.
HT 207, Plant Structure and Function, 3 cr.
HT 215, Soils and Land Use (Half-term I), 2 cr.
HT 219, Computers in Horticulture, 2 cr.
HT 227A, Horticultural Facilities Management, 3 cr.
COM 209, Expository Writing and Reading, 4 cr.

First Year, Spring Semester
HT 204, Plant Propagation, 3 cr.
HT 217, Soils and Plant Nutrition (Half-term I), 2 cr.
HT 227B, Horticultural Facilities Management, 3 cr.
MTH, Mathematics course, 3 cr.
SSCI 203, Environmental Issues and Society, 2 cr.
COM 210, Public Speaking, 2 cr. *or*
COM 211, Critical Reading, 2 cr. *or*
COM 212, Technical Writing, 2 cr.

Second Year, Fall Semester
HT 234, Pest Management: Diseases (Half-term II), 2 cr.
HT 236, Pest Management: Insects (Half-term I), 2 cr.
HT 237, Pest Management: Weeds (Half-term I), 1 cr.
HT 239, Pest Management: Control Applications (Half-term II), 1 cr.
HT 260, Grounds Maintenance, 1 cr. or
HT 227C, Horticultural Facilities Management, 1 cr.
HT 297, Horticultural Work Experience, 0 cr.
SSCI 201, Human Relations, 4 cr. *or*
SSCI 202, Social Issues, 4 cr.
HT Electives 5–9 cr.

Second Year, Spring Semester
HT 260, Grounds Maintenance, 1 cr. *or*
HT 227D, Horticultural Facilities Management, 1 cr.
HT 288, Horticultural Business Management, 4 cr.
HT 290, Senior Seminar (Half-term I), 1 cr.
HT Electives 10–14 cr.

Total: 64–72 credits

Landscape Operations

Ornamental horticulture has been projected to be one of the fastest growing industries of the coming decade. It is a field that also offers unparalleled aesthetic satisfaction and meaningful reward. To succeed in landscaping increasingly requires a degree of techni-

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cal and scientific expertise, as well as creativity, artistry, and problem-solving skills. Students in the landscape operations specialization gain a solid foundation in general horticulture and a thorough introduction to the landscape industry. In their classes, students meld theory and practice, and they apply what they learn in weekly lab periods and on-site visits to area operations. Many graduates eventually form their own landscape companies, and others continue their education toward a four-year degree in areas such as landscape architecture, parks and recreation, plant and soil science, environmental science, or business management.

Career Opportunities: Landscape design, landscape construction, garden centers, nurseries, golf courses, schools and parks, commercial businesses, government and health-care facilities.

Landscape Operations Program of Study
Course, Credits

First Year, Fall Semester
HT 201, Freshman Seminar, 1 cr.
HT 205, Intro to Plant Materials, 2 cr.
HT 207, Plant Structure and Function, 3 cr.
HT 215, Soils and Land Use (Half-term I), 2 cr.
HT 219, Computers in Horticulture, 2 cr.
HT 260, Grounds Maintenance (Half term I), 1 cr.
COM 209, Expository Writing and Reading, 4 cr.
SSCI 203, Environmental Issues and Society, 2 cr.

First Year, Spring Semester
HT 217, Soils and Plant Nutrition (Half term I), 2 cr.
HT 256, Horticultural Pruning, 2 cr.
HT 258, Herbaceous Ornamental Plants, 2 cr.
HT 260, Grounds Maintenance (Half term II), 0-1 cr.
MTH, Mathematics course, 3 cr.
SSCI 201, Human Relations, 4 cr. or
SSCI 202, Social Issues, 4 cr.
COM 210, Public Speaking, 2 cr. or
COM 211, Critical Reading, 2 cr. or
COM 212, Technical Writing, 2 cr.

Second Year, Fall Semester
HT 234, Pest Management: Diseases (Half-term II), 2 cr.
HT 236, Pest Management: Insects (Half-term I), 2 cr.
HT 237, Pest Management: Weeds (Half-term I), 1 cr.
HT 239, Pest Management: Control Applications (Half-term II), 1 cr.
HT 251, Intro to Graphic Communication, 2 cr.
HT 257, Woody Landscape Plants, 2 cr.
HT 263, Landscape Construction , 3 cr.
HT 265, Turfgrass Maintenance, 2 cr.
HT 270, Grounds Management (Half-term I), 2 cr.
HT 297, Horticultural Work Experience, 0 cr.
Approved Electives 1–5 cr.

Second Year, Spring Semester
HT 270, Grounds Management (Half-term II), 2cr.
HT 272, Landscape Design Studio, 4 cr.
HT 288, Horticultural Business Management, 4 cr.
HT 290, Senior Seminar (Half-term I), 1 cr.
HT Electives 6–10 cr.

Total: 64 credits