

**UNH  
UNDERGRADUATE  
CATALOG 1980-81**

Published @ 2017 Trieste Publishing Pty Ltd

ISBN 9780649156535

UNH undergraduate catalog 1980-81 by University of New Hampshire

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**UNIVERSITY OF NEW HAMPSHIRE**

**UNH  
UNDERGRADUATE  
CATALOG 1980-81**



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**UNH**  
**Undergraduate**  
**Catalog**  
**1980-81**

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**Summer Session 1980**

May 19 to August 15

**Semester I 1980**

**August 31, Sunday**

9 a.m. Residence halls open for freshmen

**September 1, Monday**

9 a.m. Residence halls open for upperclass students

**September 1-2, Mon.-Tues.**

Registration

**September 3, Wednesday**

8 a.m. Classes begin

**September 8, Monday**

Graduate student registration

**September 12, Friday**

Last day to drop courses without \$10 late drop fee

**September 19, Friday**

Last day to add courses without dean's approval and \$10 late add fee

Last day to choose pass/fail grading alternative

**October 2, Thursday**

Last day for partial tuition refund on withdrawal

**October 24, Friday**

Midsemester, last day to drop courses or withdraw without academic liability

Last day to carry more than 20 credits without surcharge

**November 11, Tuesday**

Veterans Day—no classes

**November 26, Wednesday**

Classes hold Tuesday schedule

**November 27-28, Thurs.-Fri.**

Thanksgiving—no classes

**December 1, Monday**

Classes resume

**December 13-14, Sat.-Sun.**

Reading Days

**December 15, Monday**

Semester I final exams begin

**December 19, Friday**

Final exams end; 7 p.m. Residence halls close

**December 21, Sunday**

Commencement

**Semester II 1981**

**January 18, Sunday**

9 a.m. Residence halls open

**January 19-20, Mon.-Tues.**

Registration

**January 21, Wednesday**

8 a.m. Classes begin

**January 26, Monday**

Graduate student registration

**January 30, Friday**

Last day to drop courses without \$10 late drop fee

**February 6, Friday**

Last day to add courses without dean's approval and \$10 late add fee

Last day to choose pass/fail grading alternative

**February 19, Thursday**

Last day for partial tuition refund on withdrawal

**March 16-20, Mon.-Fri.**

Semester break

**March 22, Sunday**

9 a.m. Residence halls open

**March 23, Monday**

8 a.m. Classes resume

**March 27, Friday**

Midsemester, last day to drop courses or withdraw without academic liability

Last day to carry more than 20 credits without surcharge

**May 13-14, Wed.-Thurs.**

Reading Days

**May 15, Friday**

Semester II final exams begin

**May 22, Friday**

Final exams end; 7 p.m. Residence halls close

**May 24, Sunday**

Commencement

**Summer Session 1981**

May 25 to August 21

The University reserves the right to modify the calendar subsequent to printing.

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Volume LXXI, Number 4, April, 1980. The *Bulletin of the University of New Hampshire* (USPS 077-720) is published five times a year: in April, May, July, August, and October by the Office of University Publications, Schofield House, Durham, N.H. 03824. Second class postage paid at Durham, N.H. 03824.

For information about undergraduate admission to the University, students should contact: **Eugene A. Savage, Dean of Admissions.**

For information about courses and academic records, students and former students should contact: **Stephanie M. Thomas, Registrar.**





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# General Information

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## The University

### History

The University of New Hampshire, founded in 1866 as the New Hampshire College of Agriculture and the Mechanic Arts, was among the early state institutions of higher education whose formation was made possible by federal government land grants to establish colleges to serve the sons and daughters of farming and laboring families.

First situated in Hanover as part of Dartmouth College, New Hampshire College moved to its present campus in Durham in 1893 after Benjamin Thompson, a prosperous farmer, bequeathed land and money to further the development of the College.

The College thrived in Durham, and in 1923 the state legislature granted it a new charter as the University of New Hampshire, composed of the Colleges of Agriculture, Liberal Arts, and Technology. The Graduate School was formally added in 1928. The two-year program in agriculture, which had been offered since 1895, was formally recognized in 1939 and is now the Thompson School of Applied Science. The Whittemore School of Business and Economics was established in 1962.

In 1963, the University System of New Hampshire was created when the teachers' colleges at Plymouth and Keene were brought under the same Board of Trustees as the University. In 1969, the state legislature recognized the extended functions of the College of Agriculture, renaming it the College of Life Sciences and Agriculture, and the School of Health Studies was established as part of the University's programs. Beginning in 1971, the Division of Continuing Education was authorized to offer Associate in Arts degree programs as an additional approach to higher education for New Hampshire residents. In 1975 the College of Technology was renamed the College of Engineering and Physical Sciences.

Since 1967, the University has provided a widening range of undergraduate and graduate studies through its program at the Merrimack Valley Branch in Manchester. In 1977, the legislature recognized the branch as the Merrimack Valley College, the fourth campus in the University System. In 1972, the School of Continuing Studies was created to coordinate

the off-campus educational programs of the University System institutions and to carry instructional services to communities throughout New Hampshire. In 1979, this school of the University System was renamed the School for Lifelong Learning.

In the 1979-80 academic year, the University had 10,714 degree candidates enrolled, including 453 in the Associate in Applied Science program of the Thompson School and 152 in the Associate in Arts program in the Division of Continuing Education. In the Division of Continuing Education, 1,473 special students also were enrolled.

Academic and cultural resources of each campus are amplified through System-shared programs and facilities. Cooperative ventures among the 12 member institutions of the New Hampshire College and University Council combine public and private higher education resources.

### Campus

The home of the University is Durham, near the seacoast of New Hampshire—one of the oldest towns in northern New England. The town is semirural and still retains traces of its colonial past.

The campus, 188 acres in size, is surrounded by more than 3,000 acres of fields, farms, and woodlands owned by the University. A stream flowing through a large wooded area in the middle of the campus enhances the natural open space among the buildings—60 for teaching, research, and service, and 30 residence halls for men and women.

*University Library* houses 785,300 volumes, 6,359 periodicals, 6,923 tapes and records, and a substantial microfilm collection. Specialized subject collections in chemistry, engineering and mathematics, biological sciences, and physics are housed in four branches administered by a physical sciences librarian and a biological sciences librarian.

*Athletics-Physical Education* facilities, include indoor and outdoor swimming pools; tracks and courts; gymnasias; weight training, wrestling, and gymnasias rooms; a dance studio; and a number of playing fields; and an indoor ice rink.

*Memorial Union Building* contains student activities offices, auditoria and meet-

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**Admissions**


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ing rooms, food services, games and craft areas, and lounges.

*Paul Creative Arts Center*, home of the departments of the arts, music, and theater and communication, contains two theaters and two art galleries.

*Thompson Hall*, the main administration building, is an official historic landmark.

*College Woods* includes 5 miles of well-kept paths through 260 acres of woods.

*The New England Center*, a cooperative effort by the six state universities of New England to offer outstanding continuing education programs, provides modern facilities for adult education conferences and seminars in its residence-dining-learning center.

*John S. Elliott Alumni Center*, completed in 1977, houses the alumni and development offices and serves as a focal point for alumni activities and campus meetings.

The University has one of the nation's largest DEC system-10 computer installations, operating nearly continuously, with more than 200 terminals around the campus.

### Teaching, Service, and Research

The University of New Hampshire is committed to offering excellent educational programs and opportunities for its students. The University's approximately 614 full-time teaching faculty provide a ratio of one full-time faculty member to about 17 full-time students. More than 80 percent of the full-time faculty hold doctoral or terminal degrees, and many have earned national and international reputations in their professional fields.

A faculty member's first responsibility is to teaching students. In the tradition of the nation's land-grant colleges, the University also encourages its faculty to contribute to the growth of human knowledge through scholarly research and service to the community beyond the campus.

### Accreditation

The University of New Hampshire is a member in good standing of the New England Association of Schools and Colleges, the major accrediting body for the University. Specialized programs of study are also accredited by various professional organizations.

### Interviews and Campus Visits

Candidates are encouraged to contact the Admissions Office to arrange an interview with a student admissions representative. These representatives are trained to give information about the academic organization of the University and the criteria used by the Admissions Committee in reviewing candidates, and they are best able to discuss student activities, living arrangements, and other aspects of UNH life. The University welcomes visitors to the campus and conducts scheduled tours for candidates. Also, frequent Saturday morning Group Information Sessions led by an Admissions Office staff member and student representatives are followed by guided tours of the campus. Please call the Admissions Office for information about dates and times.

### Bachelor's Degree Candidacy

Admission to a bachelor's degree program is based upon successful completion of a four-year secondary school program of college preparatory coursework. Primary consideration is given to academic achievement and aptitude, as demonstrated by the quality of candidates' secondary school course selections, rank in class, recommendations, and the results of a College Entrance Examination Board Scholastic Aptitude Test. Consideration is also given to character, leadership, initiative, and special aptitudes and talents.

### Secondary School Course Requirements

All candidates for bachelor's degree programs are expected to have completed certain secondary school courses. These minimum requirements are: at least sixteen secondary school course units, including four years of English, two years of college preparatory mathematics, two years of social science, and one year of laboratory science. Candidates for the College of Liberal Arts and the Whittemore School of Business and Economics must also present a minimum of two years of study in a single foreign language. Candidates for the College of Engineering and Physical Sciences must have completed at least three years of college pre-

paratory mathematics, including a minimum of a half year in trigonometry, as well as two years of laboratory coursework including chemistry or physics.

The choice of secondary school program and courses may limit or enhance opportunities and achievements in college. Candidates are strongly encouraged to extend their knowledge and learning skills through work in the basic academic disciplines. Most successful candidates present at least four years of English, three years of college preparatory mathematics, three years of foreign language, two years of laboratory science, and two years of social science. Successful candidates have generally completed three years of study in a single foreign language or have completed more than one year of study in each of two different languages.

Candidates are expected to pursue in greater depth those fields in which they have special interests. For example, students who plan to specialize in engineering, science, mathematics, or forestry must present four years of mathematics including trigonometry, as well as laboratory coursework in chemistry and/or physics. For students planning to major in health-related disciplines, secondary school laboratory courses in biology and chemistry are strongly recommended.

The number of out-of-state students admitted to the University each year is limited. These candidates are asked to indicate their "prospective majors" on their application forms and will be considered for admission in competition with other out-of-state candidates applying for the same programs.

Approximately 60 percent of the University students request a change in major during their undergraduate years, and approximately 90 percent of such requests are approved each year. These changes are possible after a student has been at the University for a semester and has secured permission from the appropriate college dean and department chairperson. However, it is important to realize that the University cannot honor all requests for such changes; at present this is true for programs in nursing, medical technology, occupational therapy, computer science, and administration.

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### Admissions Tests Requirements

All candidates for admission to bachelor's degree programs are required to submit the results of a College Entrance Examination Board Scholastic Aptitude Test. While achievement tests are not required, successful scores on the Foreign Language Achievement Tests may enable an applicant to satisfy the foreign language requirement of the Bachelor of Arts degree programs. Other achievement tests are strongly recommended for candidates to the College of Engineering and Physical Sciences, the College of Life Sciences and Agriculture, and the School of Health Studies in the areas generally related to the student's prospective major.

### Art and Music Candidates

Candidates applying for the arts major, studio option, or the Bachelor of Fine Arts program are required to submit a portfolio. There is no portfolio requirement for those entering the art history option of the arts major. Candidates applying for programs in the Department of Music must make arrangements with the department chairperson for an audition. Chairpersons of both the arts and music departments may be reached at the Paul Creative Arts Center.

### Freshman Admission Application Deadlines

Except for Early Decision candidates, applications should be submitted only after the first marking period grades are available and, for nonresident applicants, before February 1. New Hampshire applicants must submit their applications by February 1. Applications received from New Hampshire residents after that date may be considered only as vacancies occur. A nonrefundable application fee, \$10 for New Hampshire residents and \$20 for nonresidents, must accompany the application.

### Early Decision

The University encourages freshman applicants who desire fall enrollment to apply for admission under an Early Decision program designed for well-qualified students who have made UNH their first-choice school. Applicants must submit a

regular application, high school record, junior-year Scholastic Aptitude Test score, and a statement countersigned by the secondary school counselor which indicates that the University of New Hampshire is the first-choice college and that other applications will be withdrawn if the candidate is admitted under Early Decision. Candidates for admission under the Early Decision program must file their applications and all supporting credentials between September 15 and December 15 and will be notified of the decision within three weeks of the receipt of application materials.

### Deferred Admission

The University considers applicants for deferred admission, which enables students to reserve a space in college while taking time off from school for work or travel. The University may not be able to offer deferred admission in certain program areas, however.

### Advanced Standing

The University will recognize unusual secondary school work by means of advanced placement and credit for those who have taken enriched or accelerated courses before entering college. Applicants qualify for such credit by satisfactory achievement on University-approved placement examinations, including the College Board Advanced Placement Tests, or through College Level Examination Program (CLEP). Further information may be obtained from the Admissions Office.

### Associate Degree Candidacy

The University accepts candidates for Associate in Applied Science and Associate in Arts degree programs who have demonstrated ability and motivation for learning through secondary school achievement, work experience, and/or military service.

Both New Hampshire residents and out-of-state students may be considered for admission to Associate in Applied Science degree programs offered by the University's Thompson School of Applied Science. Students admitted to the Thompson School will be eligible for University residence hall accommodations. Two of the

programs offered by the Thompson School, forest technology and civil technology, require that candidates present a minimum of two years of college preparatory mathematics (see also Thompson School chapter).

The University offers an Associate in Arts degree program through the Division of Continuing Education. This program is available only to commuting New Hampshire residents, although this rule may be waived if the applicant is a full-time employee of a New Hampshire business. Out-of-state candidates for whom this rule is waived are liable for out-of-state tuition and fees, however (see also Associate in Arts chapter).

### Eligibility for Degree Candidacy

Applicants who meet the appropriate requirements for admission may become candidates for any undergraduate degree offered by the University. However, applicants having a degree will not be admitted into a program of study that awards the same degree (e.g., B.A., history, and B.A., zoology). Applicants may, however, be admitted into a program awarding a different degree (e.g., B.A., history, and B.S., biology; or B.A., history, and A.A.S., business management).

### Readmission

An undergraduate who withdraws or is suspended or dismissed from the University thereby terminates degree candidacy and must apply for readmission before the deadlines established by the Admissions Office. Before seeking readmission, suspended students must remain away from school for at least one semester. Applications submitted by suspended students are referred to the dean of the college or school to which they are applying, and evidence must be presented that they can successfully resume University work. Only under extraordinary circumstances will students be readmitted after having been dismissed for academic reasons. Applications submitted by dismissed students must be reviewed by the University's Academic Standards and Advising Committee. Students applying for readmission should realize that it may not be possible to enroll in certain programs that have established enrollment limitations, and no