

ARCHITECTURAL ENGINEERING TECHNOLOGY – CIVIL FOCUS



PROGRAM LENGTH

2 years

CREDENTIALS/CREDITS

Associate Degree, 70-72 credits

DELIVERY

In-Person, Online

TUITION AND FEES

[NHTI.edu/tuition](https://www.nhti.edu/tuition)

MORE INFO

NHTI – Concord's Community College
31 College Drive, Concord, N.H. 03301

[NHTI.edu/program/architectural-engineering-technology](https://www.nhti.edu/program/architectural-engineering-technology)

603-230-4000 | 800-247-0179

NHTIinfo@ccsnh.edu

ADMISSIONS

[NHTI.edu/admissions](https://www.nhti.edu/admissions)

603-230-4011 | Hours: 8 a.m.-4 p.m.

NHTIadmissions@ccsnh.edu

Welcome to ARET! This program combines architecture and engineering theory with applied hands-on activities. You'll study architectural design and engineering processes and develop design, sketching, engineering, and computer-aided design and visualization skills. You'll learn from dedicated and experienced faculty and acquire knowledge about industry practices and culture through our unique guest speaker program.

Solid Foundation for Success

The program combines architecture and engineering theory with a solid foundation in math and science to prepare you for exciting and rewarding jobs. The ARET program maintains an active patronship with professionals from the industry who visit classrooms and labs throughout a semester to review your work, offer feedback, and assess presentations. With a focus on continuous improvement, our ARET program maintains currency and constantly folds emerging technological and professional trends in our curricula to ensure you're prepared for academic and career success.

Enhanced Academic Pathways

Combining your degree with NHTI's Building Inspector and Plans Examiner Certificate can boost your understanding of how buildings are designed, engineered, built, and inspected. Similarly, NHTI's CAD Certificate enables you to develop marketable skills and accumulate 6 credits towards your ARET degree.

Salary Potential

Through networking opportunities with your instructors, visiting professionals, and capstone activities, our graduates find entry-level positions such as CAD and Arch designers, lab and surveying technicians, estimators, and engineering technicians in city and state governments. Graduates can be expected to make \$22.63 entry level and 32.85 with experience.¹

¹New Hampshire Occupational Employment & Wages, June 2022.

Architectural Engineering Technology: Civil Focus Associate of Science Curriculum

| | Course | Title | CL | LAB | CR |
|-------------------------|--------------------------|--|-----|--------------|--------------|
| FIRST YEAR – ON CAMPUS | Fall Semester | | | | |
| | ARET 103C | Architectural Graphics and Sketching | 2 | 2 | 3 |
| | ARET 120C | Materials and Methods of Construction | 4 | 0 | 4 |
| | MATH 124C | College Algebra | 4 | 0 | 4 |
| | PHYS 133C | Physics I (Algebra-Based) | 3 | 2 | 4 |
| | | | | | 15 |
| | Spring Semester | | | | |
| | ARET 104C | Architectural Design Studio I | 2 | 2 | 3 |
| | ARET 150C | Statics and Strength of Materials | 3 | 2 | 4 |
| | ARET 192C | Revit Architecture | 3 | 0 | 3 |
| ENGL 101C | English Composition | 4 | 0 | 4 | |
| MATH 140C | Pre-Calculus | 4 | 0 | 4 | |
| | | | | 18 | |
| SECOND YEAR – ON CAMPUS | Fall Semester | | | | |
| | CVET 201C | Civil CAD | 2 | 2 | 3 |
| | CVET 220C | Surveying | 2 | 3 | 3 |
| | CVET 240C | Timber and Steel Design | 3 | 2 | 4 |
| | ENGL 125C | Communication and the Literature of Science and Technology | 3 | 0 | 3 |
| | PHYS 135C | Physics II (Algebra-Based) | 3 | 2 | 4 |
| | XX xxxC | Humanities/Fine Arts/Language elective | 3-4 | 0 | 3-4 |
| | | | | | 20-21 |
| | Spring Semester | | | | |
| | ARET 270C | Construction Management | 3 | 0 | 3 |
| | CVET 235C | Reinforced Concrete Design | 2 | 3 | 3 |
| | CVET 297C | Highway Design | 3 | 2 | 4 |
| | MATH 205C | Calculus I | 4 | 0 | 4 |
| XX xxxC | Social Science elective* | 3 | 0 | 3-4 | |
| | | | | 17-18 | |
| Total Credits | | | | | |
| | | | | 70-72 | |

NHTI – Concord's Community College

NHTI is a dynamic public institution of higher learning that provides accessible, rigorous education for students, businesses, and the community. We create pathways for lifelong learning, career advancement, and civic engagement, offering 80+ academic programs to 4,600+ students annually. NHTI is a member of the Community College System of New Hampshire and since 1969 has been accredited by the New England Commission of Higher Education, a nongovernmental, nationally recognized accrediting agency.

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