

**NHTI, Concord's Community College  
Architectural Engineering Technology  
Program Educational Objectives**

The AET program combines architecture and engineering theory with a solid foundation in mathematics and science. Students in the program study the architectural design process of a variety of building types and develop skills in sketching and computer aided drawing. Students learn structural and environmental systems theory, methods of construction, statics and strength of building materials, surveying and professional practices.

The degree of Associate in Engineering Technology with a major in Architectural Engineering Technology is awarded upon successful completion of the program. Graduates of the program are employed with architectural and engineering firms, contractors, surveyors, and in various governmental agencies.

The department's mission reflects on the following program educational objectives/goals:

- a) To ensure that the graduates are adequately equipped to produce and utilize basic construction documents and perform testing, basic analysis, operation, and maintenance of building system, by utilizing current and evolving technologies.
- b) To develop students' personal and interpersonal skills, self discipline and time management, foster the ability to work with others, and to be able to communicate effectively with others.
- c) To provide students opportunities to network and learn about the culture of professional practice through guest speakers, site visits and setting up studio projects based on group work.
- d) To provide students with advancement skills in facilitating growth in the field, career changes to related fields, and by providing academically transferable credits for lifelong opportunities.
- e) To provide for the continuing education for those already in the workforce by offering courses, seminars, and workshops to part-time students and others, and making available facilities and expertise to other organizations.
- f) To ensure that the faculty and the program stay current with the needs of the industry in providing academic instructions to our students.
- g) To ensure that each student is able to productively adapt to emerging applications of mathematics, science, engineering and technology and possess a commitment to quality, timeliness, and continuous improvement.

- h) To graduate students with a respect for diversity and knowledge of professional, societal and global issues.
- i) To provide students a learning environment where academic integrity of students, faculty, and staff is held to the Institutional and academic standards.
- j) To provide students of the AET program an environment where mutual respect for peers, students, faculty, and staff is carefully maintained and monitored.

The AET program objectives are interwoven into NHTI Mission/ Values/ Vision Statement ranging from Excellence in teaching to responsiveness to business, industry, and the community. In addition to academic objectives, the opportunities for appreciation for diversity and shared governance are offered by the AET Department through group projects, AET student club and inclusion of students in advisory board meetings.

### **NHTI Mission/Values/Vision Statement**

NHTI, Concord's Community College, is a public community college serving students, businesses, and the community by providing excellent academic, technical, and professional education.

Believing in the unique value of each individual, we dedicate ourselves to sustaining a progressive and evolving learning community that empowers students, faculty, staff, and alumni to succeed in their personal and professional lives. We therefore commit ourselves to the following:

- Excellence in teaching
- Academic integrity
- Lifelong learning
- Application of current technology
- Appreciation for diversity
- Shared governance
- Mutual respect for students and colleagues
- A welcoming physical and social environment
- Responsiveness to business, industry, and the community

In an environment of ongoing self-evaluation, we will uphold, expand, and improve opportunities for student success by fostering institutional accessibility, supporting student achievement, encouraging innovative teaching, promoting transfer and employment options, and participating in the life of the community.

### **WE ARE ALL TEACHERS. WE ARE ALL LEARNERS.**

*Adopted June 2001*

*Re-affirmed spring 2010 AET Department Meeting*

*Re-affirmed April 23, 2010 AET Advisory Board Meeting*

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