

NHTI, Concord's Community College
Architectural Engineering Technology Program Outcomes

The following outcomes have been established and practiced in the academic framework of Architectural Engineering Technology program:

- Understand the fundamental concepts underlying Architectural Engineering Technology
- Use appropriate terminology in oral and written communication
- Demonstrate freehand sketching and CAD drafting skills to produce preliminary and construction documents
- Understand the physical properties of building materials and how they are assembled into building systems and structures and an ability to apply current knowledge and adapt to emerging applications of mathematics, science, engineering and technology
- Research and apply current building codes, standards and legal requirements to building projects
- Understand the principles of sound architectural design and planning and apply critical thinking to the design process
- Understand the importance and utilization of sustainability and energy conservation in building design
- To be able to use course application software for drafting and design, estimating, specification writing, project management, determining energy utilization, and structural design, including the on line resources
- To be able to recognize and exercise the appropriate professional standards to attain quality, time constraints, and continuous self and professional improvement
- To be an effective team player with a respect for diversity of ideas, ethnicity, experience and knowledge of professional, societal and global issues