Construction Engineering Technology
Bachelor of Science Degree (299103BS)

Accredited by the Engineering Technology Accreditation Commission of ABET, http://www.abet.org

A completed Associate of Applied Science Degree in Construction Engineering Technology is a requirement of the Construction Engineering Technology Bachelor of Science Degree. Please refer to the Construction Engineering Technology, Associate of Applied Science Curriculum Guide for further information.

The following information has official approval of The University of Akron's College of Applied Science and Technology but is intended only as a guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, and prerequisites, among others. The transfer process is completed through an appointment with your Academic Advisor.

Italicized courses fulfill General Education requirements. If a course is not specified, refer to the General Education webpage at http://www.uakron.edu/cast/geden. The College of Applied Science and Technology recommends that students take the General Education courses listed in this curriculum guide. Transfer students should consult their Advisor to identify courses that are equivalent.

Policy Alert: By the end of your first 48 credit hours attempted, you must have completed your REQUIRED General Education English, Mathematics, and Communications (Speech) requirements.

You must have a minimum cumulative GPA of 2.0 to graduate with this degree.

Notes:
- a) Fall course offering only.
- b) Spring course offering only.
- c) Technical Electives subject to enrollment demands and classroom schedules.
- d) Must be a course in the Ohio Transfer Module.

Program Contact
Program Director, Prof. Marcia Belcher, P.E., Schrank Hall South 221J, 330-972-2055 or mbelcher@uakron.edu

Program Description
The B.S. in Construction Engineering Technology degree program is an upper-level degree program designed to provide the student with additional education beyond the AAS degree in Construction Engineering Technology. This degree is also designed to meet the formal education requirements for registration as a Professional Engineer in the State of Ohio.

This degree program is defined as follows:
- The first two years are completed as an AAS degree in Construction Engineering Technology or similarly based program.
- Two years of additional prescribed coursework.
- A cooperative work experience in the construction field. The student normally enters the co-op segment between the junior and senior years.

The B.S. in Construction Engineering Technology degree program includes classroom, laboratory and industry experiences which prepares students for careers in the construction industry and other allied industries.

Career Opportunities Available
Individuals working in the field of construction engineering technologies use knowledge of construction methods, business operations and management skills to support construction projects. They work on residential or commercial buildings, bridges, roads, dams, wastewater treatment systems, or other similar projects. Common jobs assumed by graduates of this program include:
Field Engineer - Monitors activities at construction sites. Works to ensure construction progresses as scheduled and contract specifications are adhered to. Inspects construction site daily and works with contractors to complete scope items.

Project Engineer - Under the supervision of the Project Manager, provides technical support to construction staff. Reviews plans and other technical documents, answers questions regarding the scope and/or timing of the project, and monitors costs and project progress.

Construction Manager - plan, organize, direct and coordinate building projects. Often called project managers, constructors, construction superintendents, project engineers, construction supervisors, or general contractors.

Construction Inspector - ensure that construction, alteration, or repair complies with building codes and ordinances, zoning regulations, and contract specifications.

Construction Coordinator - coordinates construction scheduling and communication and acts as a liaison to project management concerning bids, subcontracting, progress and delays.

Cost Estimator or Cost Engineer - responsible for creating the budget for a project to bid on it or aid in the project's management. Monitors and analyzes project cost estimates, expenditures, and forecasts.

Scheduler - planning and scheduling of construction work and work crew. Gathers and analyzes information to prepare reports on the progress of projects.

Engineering Technician - use the principles and theories of science, engineering, and mathematics to solve technical problems in research and development, manufacturing, sales, construction, inspection, and maintenance.

Requirements for Admission

Applicants for the Construction Engineering Technology program must hold an associate degree in Construction Engineering Technology from an accredited program or provide evidence of an equivalent academic background. The applicant must have a minimum cumulative grade-point average of 2.0 out of a possible 4.0.

Applicants with an associate degree in a discipline other than Construction Engineering Technology will be required to complete a specific formal set of courses as specified at the time of admission. Final approval for admission is based upon recommendations from the Director of the Construction Engineering Technology Program.

Cooperative Work Study Requirement

The required cooperative work study experience of the Construction Engineering Technology program may begin after the student has completed 64 hours of course work in the Construction Engineering Technology program. This requirement may be satisfied by one of the following options:

- One semester* co-op registered with the Center for Career Management.
- 120 service hours with a credible construction organization.**
- One calendar year of full-time, continuous, and ongoing employment in a construction management related position.**

* Summer I and II combined count as one semester for the co-op.

** For options B and C, a portfolio of work must be submitted to and approved by the Program Director. The portfolio will include but not be limited to a description of the various work, evidence of work such as supervisor letters or certificates, and a technical paper, addressing a relevant topic associated with the work.

Requirements for Graduation

- Compliance with the requirements of the general education program as outlined in this Bulletin.
- Completion of the requirements for the associate degree in Construction Engineering Technology at The University of Akron or an approved associate degree program

Successful completion of a minimum of 121 credits in the B.S. in Construction Engineering Technology Program including the associate degree program, the general education courses, co-op/work study, and Year 3 and Year 4 course requirements.

Transfer to the College of Applied Science and Technology

To be admitted to the College of Applied Science and Technology, a student must have a GPA of 2.0. A student can complete the transfer process through an appointment with an Academic Advisor in the college in which they reside.