

Construction Field Operations

Associate of Applied Science Degree (299111AAS)

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/gened>. 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.

Year 1 Fall	Prerequisite
2020:121 English (3)	Placement by Advisor
2030:152 Technical Mathematics II (2)	2030:151 or equivalent with a C- or better or placement by Advisor
2030:153 Technical Mathematics III (2)	2030:152
2990:129 Computer Applications in Construction (3) (Sch. Lab) (Note a)	
2980:101 Basic Surveying (3) (Note a)	2030:153 co-requisite or equivalent
2990:131 Building Construction (2) (Note a)	
Total Credits = 15	

Year 1 Spring	Prerequisite
3370:101 Introduction to Physical Geology (4) (recommended) -OR- 3370:xxx Natural Science Requirement without Lab (3)	
2020:222 Technical Report Writing (3)	2020:121 or 3300:111 or equivalent
2990:248 Construction Graphics (3)	
2990:150 Plan Reading (2) (Note b)	2990:131
2420:263 Professional Communications and Presentations (3)	Prerequisite or corequisite: 2020:121 or 3300:111
Total Credits = 14-15	

Year 2 Fall	Prerequisite
2990:237 Materials Testing I (2) (Sch. Lab) (Note a)	2030:153
2990:226 Construction Supervision (3) (Note a)	
2980:222 Construction Surveying (3)	2980:101
2990:310 Residential Building Construction (3)	
2990:246 Site Engineering (3) (Note a)	2990:131
Total Credits = 14	

Year 2 Spring	Prerequisite
2040:240 Human Relations (3)	
2990:238 Materials Testing II (2) (Note b)	2030:153
2990:235 Construction Inspection (3)	
2990:356 Safety in Construction (3) (Note b)	
2990:xxx Technical Electives (6)	
Total Credits = 17	

Total Credits for Degree = 60 minimum

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 a 2.0 to graduate with this degree.

Notes:

- a) Traditionally Fall only (See Program Contact)
- b) Traditionally Spring only (See Program Contact)

Program Contact

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

Program Information

The A.A.S. in Construction Field Operations Technology program includes classroom and laboratory experiences which prepare students for careers in the construction industry as field superintendents, foremen, project management assistants, inspectors and other allied industrial positions.

Career Information

Individuals working in the area of construction field operations technology use knowledge of construction methods and materials, supervision, inspection, and fundamental management skills necessary to support construction projects. They work on residential and commercial buildings, bridges, roads, dams, wastewater treatment systems, or other similar projects. Common jobs assumed by graduates of this program include but are not limited to:

- **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.
- **Construction Inspector** – ensure that construction, alteration, or repair complies with building codes and ordinances, zoning regulations, and contract specifications.
- **Construction Superintendent** – runs day-to-day field operations on the construction site and controls the short-term schedule. The superintendent's role also includes quality control and subcontractor coordination responsibilities.
- **Construction Foreman** – the foreman is the tradesman with specialist's knowledge of a given trade and is focused on the overall management of that particular trade on the job site.
- **Field Engineer's Assistant** – Monitors activities at construction sites and reports to Project Engineer and/or Owner's Representative. Contributes to the maintaining of the project schedule and budget, as well as ensuring compliance with the contract specifications.

Bachelor Degree Programs

Upon completion of the Construction Field Operation Technology Associate of Applied Science Degree, a student may enroll in the Construction Engineering Technology Bachelor of Science Degree. *There are a series of bridgework courses in math and science that must first be completed. Please refer to the Construction Engineering Technology Bachelor of Science Degree Curriculum Guide for further information or contact the program director.

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.