

CONSTRUCTION FIELD OPERATIONS, AAS

Associate of Applied Science in Construction Field Operations (299111AAS)

Program Contact

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Program Information

The AAS 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.

The following information has official approval of the **Department of Engineering and Science Technology** and **The College of Engineering and Polymer Science**, but is intended only as a supplemental guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. Students should refer to the Degree Progress Report (DPR) which is definitive for graduation requirements. *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, prerequisites, among others.* The transfer process is completed through an appointment with your academic advisor. Transfer students should consult their Advisor to identify courses that are equivalent.

1st Year

Fall Semester		Hours
2020:121	English	3
2030:152	Technical Mathematics II	2
2030:153	Technical Mathematics III	2
2980:101	Basic Surveying ¹	3
2990:129	Computer Applications in Construction ¹	3
2990:131	Building Construction ¹	2
Hours		15

Spring Semester

2020:222	Technical Report Writing	3
2420:263	Professional Communications and Presentations	3
2990:150	Plan Reading ²	2
2990:248	Construction Graphics	3
Select one of the following:		3-4
3370:101	Introductory Physical Geology (recommended)	
3370:xxx	Natural Science Requirement without Lab	
Hours		14-15

2nd Year

Fall Semester

2980:222	Construction Surveying	3
2990:226	Construction Supervision ¹	3
2990:246	Site Engineering ¹	3
2990:237	Materials Testing I ¹	2
2990:310	Residential Building Construction	3
Hours		14

Spring Semester

2990:235	Construction Inspection	3
2990:238	Materials Testing II ²	2
2990:356	Safety in Construction ²	3
7750:230	Human Relations	3
	Technical Elective	3
	Technical Elective	3
Hours		17
Total Hours		60-61

¹ Traditionally Fall only (See Program Contact).

² Traditionally Spring only (See Program Contact).

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.