

Civil Engineering Technology

Career Technologies

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ABOUT THIS FIELD

Civil Engineering Technology prepares students to use basic engineering principles and technical skills to carry out planning, documenting and supervising tasks in sustainable land development and public works and facilities projects.



WHAT YOU'LL STUDY

The program includes instruction in the communication and computational skills required for materials testing, structural testing, field and laboratory testing, site analysis, estimating, project management, plan preparation, hydraulics, environmental technology and surveying.



WHAT YOU CAN DO

Graduates should qualify for technician-level jobs with both public and private engineering, construction and surveying agencies.

 **Southwestern**
COMMUNITY COLLEGE

PROGRAM START DATES:

Fall or Spring Semester

FOR MORE INFORMATION CONTACT:

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CLASSES YOU'LL NEED TO TAKE

ASSOCIATE IN APPLIED SCIENCE DEGREE (AAS) A40140

Total Semester Hour Credits: 76

FALL SEMESTER 1

Prefix	#	Title	Class	Lab	Clinical	Credit
ACA	111	College Student Success	1	0	0	1
CIS	110	Introduction to Computers	2	2	0	3
CEG	115	Intro to Technology & Sustainability	2	3	0	3
DFT	151	CAD I	2	3	0	3
ENG	111	Writing and Inquiry	3	0	0	3
MAT	171	Precalculus Algebra	3	2	0	4
		Totals	13	10	0	17

SPRING SEMESTER 1

CEG	211	Hydrology & Erosion Control	2	3	0	3
CIV	215	Highway Technology	2	3	0	3
EGR	250	Statics & Strength of Materials	4	3	0	5
SRV	110	Surveying I	2	6	0	4
		Totals	10	15	0	15

SUMMER SEMESTER

ENG	114	Professional Research & Reporting	3	0	0	3
SRV	111	Surveying II	2	6	0	4
Choose one of the following:						
HUM	115	Critical Thinking	3	0	0	3
PHI	240	Introduction to Ethics	3	0	0	3
Choose one of the following:						
ECO	251	Principles of Microeconomics	3	0	0	3
POL	120	American Government	3	0	0	3
		Totals	11	6	0	13

FALL SEMESTER 2

CEG	111	Introduction to GIS & GNSS	2	4	0	4
CEG	210	Construction Materials & Methods	2	3	0	3
CIV	111	Soils and Foundations	2	4	0	4
SRV	210	Surveying III	2	6	0	4
SRV	220	Surveying Law	2	2	0	3
		Totals	10	19	0	18

SPRING SEMESTER 2

CEG	212	Introduction to Environmental Tech.	2	3	0	3
CEG	230	Subdivision Planning & Design	1	6	0	3
CEG	235	Project Management & Estimating	2	3	0	3
SRV	240	Topo/Site Surveying	2	6	0	4
		Totals	7	18	0	13