Civil and Construction Engineering Technology Courses

Award: Associate of Applied Science (AAS)
Required number of credits: 71
Program Start: Fall

2017–2018 Suggested Sequence of Study

The following suggested sequence of study is for new full-time students starting the program in the academic year listed.

When registering for classes refer to your Program Evaluation/Degree Audit to see your specific program requirements and ensure proper registration.

Courses are subject to change.

◆ General education course.
▣ Non-transfer general education course.
▶ Course has a prerequisite and/or corequisite.

Semester 1

CAD-119	Introduction to Computer-Aided Drafting ▶	3	
CET-122	Construction Drawing/Contract	2	
DRF-110	Introduction to Technical Drafting	2	
EGT-460	PLTW - Civil Engineering and Architecture ▶	3	
ELT-192	Introduction to Computer Science	3	
MAT-744	Technical Math ▶ -OR-	4	▣
MAT-122	College Algebra ▶	5	◆
	Total Credits 17		

Semester 2

CET-142	PC Concrete, HMA, and Testing	3	
CET-160	Surveying ▶	3	
CET-182	Structural Detailing with CAD ▶	2	
CET-253	Fundamentals of Construction Estimating	3	
COM-781	Written Communication in the Workplace ▶ -OR-	3	▣
ENG-105	Composition I ▶	OE 3	◆
MAT-747	Technical Math II ▶ -OR-	4	▣
MAT-128	Precalculus ▶ -OR-	4	◆
MAT-134	Trigonometry and Analytic Geometry ▶	3	◆
	Total Credits 18		

Semester 3

CET-213	Route Surveying/Roadway Design ▶	3	
CET-223	Soils, Testing, and Foundations ▶	3	
CON-266	Construction Safety	3	
EGT-243	Statics and Strength of Materials ▶	3	
PHY-183	Applied Physics ▶ -OR-	3	
PHY-162	College Physics I ▶	4	◆
PSY-102	Human and Work Relations -OR-	3	▣
	Total Credits 18		

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Semester 3

PSY-111	Introduction to Psychology -OR-	OE 3	◆
SOC-110	Introduction to Sociology	OE 3	◆
		Total Credits 18	

Semester 4

CET-133	Construction Methods and Resources ▶	3	
CET-233	Fundamentals of GPS and GIS ▶	3	
CET-256	Land Surveying ▶	3	
CET-262	Environmental Technology ▶	3	
CET-285	Structural Steel/Reinforced Concrete Design ▶	3	
SPC-101	Fundamentals of Oral Communication	OE 3	◆
		Total Credits 18	