

Two Year Certificates

Program Description: The two-year Civil Engineering Technology Certificate focuses on software and equipment job skills required for careers in government agencies and the private Civil Engineering Industry. The two-year certificate greatly increases placement and career progression opportunities over the baseline one-year certificate. Hands on coursework includes field surveying, advanced CAD design, advanced CAD mapping, permitting, and heavy construction fundamentals.

TWO YEAR CERTIFICATE REQUIREMENTS			
MATH	101	Pre-Algebra (Entrance Exam Score)	*
COMP	101	Basic Computer Hardware & OS (Entrance Exam Score)	*
First Quarter			
CAD	111	CAD I - 2D Drawings	5
MATH	111	Precalculus I - Algebra	5
SURV	131	Traditional Surveying Equipment	5
			15
Second Quarter			
CAD	112	CAD II - 3D Drawings	5
MATH	111	Precalculus II - Trigonometry	5
PLAN	123	Zoning, Permitting, and Government Agencies	5
			15
Third Quarter			
CAD	113	CAD III - Customization	5
HCON	121	Construction Estimation	5
SURV	132	Robotic and GPS Surveying Equipment	5
			15
Fourth Quarter			
GIS	201	ArcGIS Level I	5
ENGR	201	Geometric Roadway Design	5
HCON	222	Earthmoving Fundamentals	5
			15
Fifth Quarter			
ENGL	205	Technical Writing	5
ENGR	211	Civil 3D Level 1	5
HCON	221	Construction Scheduling	5
			15
Sixth Quarter			
ENGR	212	Civil 3D Level 2	5
HCON	223	Construction Materials	5
SURV	234	Construction Surveying	5
			15
Certificate Total =			90