

Two Year Certificate

Program Description: The two-year Surveying Technology Certificate focuses on software and equipment job skills required for careers in government agencies and the private Mapping and Surveying Industry. The two-year certificate greatly increases placement and subsequent career progression opportunities over the baseline one-year certificate. Hands on coursework includes GPS field surveying, traditional field surveying, construction surveying, advanced CAD mapping, GPS machine automation, and construction safety.

TWO YEAR CERTIFICATE REQUIREMENTS			
MATH	101	Pre-Algebra (Entrance Exam may require this class)	*
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			
ENGR	211	Civil 3D Level I	5
GIS	201	ArcGIS Level I	5
SURV	231	GPS Mapping	5
			15
Fifth Quarter			
GIS	202	ArcGIS level II	5
SURV	221	Survey Field Notes and Data Collection	5
SURV	233	GPS for Machine Automation	5
			15
Sixth Quarter			
GIS	211	Map 3D Level I	5
HCON	203	Construction Safety	5
SURV	234	Construction Surveying	5
			15
Certificate Total =			90