

# PROGRAM OF STUDY

## Land Surveying Certificate of Achievement

The focus of the Land Surveying program is to provide the student with a thorough background in land surveying and mapping in addition to an introduction to the collecting, manipulating, formatting and mapping of geospatial data. A student who successfully completes the program will have the technical expertise necessary for an entry level position in the field of Land Surveying or related fields of geographic information systems specialists, architectural services, and engineering services. Land Surveyors typically measure and record property boundaries and the topography of the land covered by construction and engineering projects. Surveys are used to establish legal boundaries to prepare maps and exhibits, and write descriptions of land tracts that satisfy legal requirements. The program also assists students in preparing for the State Land Surveyor–In-Training and Land Surveyor’s Exams.

### **Student Learning Outcome:**

Students will be able to demonstrate proficiency in the core skills and knowledge required for employment in land surveying.

### **Program Requirements:**

		<b>Units</b>
SURV 101	Introduction to Land Surveying	4 - 0
SURV 102	Advanced Land Surveying	4 - 0
SURV 103	Advanced Applications in Surveying I	3 - 0
SURV 104	Advanced Applications in Surveying II	3 - 0
SURV 105	Boundary Control and Legal Principles I	3 - 0
SURV 106	Boundary Control and Legal Principles II	3 - 0
SURV 107	Construction Surveying	4 - 0
SURV 110	Computer Aided Drafting for Surveyors	3 - 0
GIS 101	Introduction to Geographic Information Systems	3 - 0
MATH 102	Trigonometry	3 - 0

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### **Total Units**

**33**

PID 165