

SURVEYING, CERTIFICATE

Certificate in Surveying (430011C)

The following information has official approval of The University of Akron's College of Engineering and Polymer Science but is intended only as a guide. Completion of this certificate is contingent upon many factors, including but not limited to class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, and prerequisites, among others.

The Surveying 30 Credit Certificate program is designed to help bachelor's degree (any program) graduates to be able to meet the academic requirements of Professional Surveyor license qualifications as approved by the Ohio Board of Registration for Professional Engineers and Surveyors. Please check with the State Board for any additional math, science, and general education requirements. All courses from the suggested list may also be applied to an A.A.S. degree in Land Surveying and/or the B.S. degree in Surveying and Mapping.

To prepare for the rigorous National Council of Examiners for Engineering and Surveying Fundamentals of Surveying (FS) exam, the first of two national exams for licensing, students are encouraged to complete 30 credits from the recommended list of courses. The certificate courses must be completed with a minimum overall grade point average of 2.0 for the certificate to be noted on the student's record.

Requirements for Admission

Students should have completed College Algebra and Trigonometry or Precalculus with a C or better before beginning the certificate. As an alternative, students may enroll in Technical Mathematics III as a corequisite when beginning the certificate courses.

The following information has official approval of **The Department of Civil Engineering** and **The College of Engineering and Polymer Science**, but is intended only as a guide. Completion of this certificate is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.

The following courses constitute a "Certificate in Surveying" and must be completed with a minimum grade point average of 2.0 overall for the certificate to be noted on the student's record.

Summary

Code	Title	Hours
Coursework		30
Total Hours		30

Any Surveying and Mapping course can be counted towards the 30-credit requirement to earn the certificate, except that students may choose no more than six credits from among the courses related to Geographic Information systems. The program recommends that students choose from the courses marked RECOMMENDED in the Course List, to best prepare for the content of the Fundamentals of Surveying (FS) exam. All course prerequisites must be met.

Coursework

Code	Title	Hours
Select 30 credits from among the following:		30
SURV:xxx		
SURV 101	Basic Surveying ^{RECOMMENDED}	
SURV 222	Construction Surveying ^{RECOMMENDED}	
SURV 225	Advanced Surveying ^{RECOMMENDED}	
SURV 228	Boundary Surveying ^{RECOMMENDED}	
SURV 310	Survey Computations & Adjustments ^{RECOMMENDED}	
SURV 315	Boundary Control & Legal Principles ^{RECOMMENDED}	
SURV 330	Applied Photogrammetry ^{RECOMMENDED}	
SURV 340	Cadastral Surveying ^{RECOMMENDED}	
SURV 415	Legal Aspects of Surveying ^{RECOMMENDED}	
SURV 422	Global Positioning System Surveying ^{RECOMMENDED}	
SURV 427	Ohio Lands ^{RECOMMENDED}	
SURV 431	Senior Seminar ^{RECOMMENDED}	
<i>The 30 credits may include no more than 6 credits of courses related to Geographic Information Systems:</i>		
SURV 105	Introduction to Geographic & Land Information Systems ^{RECOMMENDED}	
SURV 201	Intermediate Geographic and Land Information Systems	
SURV 205	Building Geodatabases	
Total Hours		30