

LAND SURVEYING, AAS

Associate of Applied Science in Land Surveying (298109AAS)

More on the Land Surveying major (<https://uakron.edu/est/survey-map-engineering-tech/>)

Program Contact

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Program Description

This program prepares graduates to work as surveying technicians under the direction of a professional registered surveyor. It is designed to provide a foundation in mathematics, natural science, and communication skills as well as the surveying skills necessary to become a Certified Surveying Technician (CST) under the National Society of Professional Surveyors' (NSPS) testing program.

Accredited by the Applied and Natural Science Accreditation Commission of ABET, <http://www.abet.org>

Career Information

For additional information visit the Bureau of Labor Statistics at www.bls.gov (<http://www.bls.gov>) or the Career Center at the Student Union, room 211 <http://www.uakron.edu/career> (<http://www.uakron.edu/career/>).

Bachelor Degree Programs

Upon completion of the Land Surveying Associate of Applied Science Degree, a student may proceed to the Surveying and Mapping Bachelor of Science Degree. Please refer to the Survey and Mapping Bachelor of Science Degree Curriculum Guide for further information.

The following information has official approval of **The Department of Engineering and Science Technology** and **The College of Engineering and Polymer Science**, but is intended only as a supplemental guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. Students should refer to the Degree Progress Report (DPR) which is definitive for graduation requirements. *Completion of this degree within the identified time frame below 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 transfer process is completed through an appointment with your academic advisor.

Transfer students should consult their Advisor to identify courses that are equivalent.

1st Year		Hours
Fall Semester		
2020:121	English	3
2030:153	Technical Mathematics III	2
2980:100	Introduction to Geomatics	2

2980:101	Basic Surveying (Sch. Lab)	3
2980:170	Surveying Drafting (Sch. Lab) ¹	3
Hours		13
Spring Semester		
2030:154	Technical Mathematics IV	3
2030:260	Advanced Trigonometry ²	2
2980:102	Topographic Surveying (Sch. Lab)	2
2980:155	Computer Applications in Surveying (Sch. Lab)	3
3650:160	Technical Physics: Mechanics (Sch. Lab)	4
Hours		14
Summer Semester		
2980:123	Surveying Field Practice	2
Hours		2
2nd Year		
Fall Semester		
2040:243	Contemporary Global Issues	3
2980:222	Construction Surveying (Sch. Lab) ¹	3
2980:223	Geospatial Technologies (Sch. Lab)	3
2980:228	Boundary Surveying (Sch. Lab)	3
	Surveying Elective ³	2
Hours		14
Spring Semester		
2420:263	Professional Communications and Presentations	3
2980:225	Advanced Surveying (Sch. Lab) ²	3
2980:251	CST Seminar ⁴	1
2985:101	Introduction to Geographic & Land Information Systems (Sch. Lab)	3
3350:100	Introduction to Geography	3
3370:101	Introductory Physical Geology	4
Hours		17
Total Hours		60

¹ Traditionally Fall only (See Program Contact).

² Traditionally Spring only (See Program Contact).

³ Surveying Electives - see list below.

⁴ Students must take the National Society of Professional Surveyors (NSPS) Certified Surveying Technician (CST) Exam Level 1. www.nspss.com (<http://www.nspss.com>) for information about the CST program.

Policy Alert: By the end of your first 48 credit hours attempted, you must have completed your *required* General Education English, Mathematics, and Communications (Speech) requirements.

Surveying Electives

Code	Title	Hours
2980:325	OSHA Safety Requirements for Surveyors	1
2980:335	The Business of Surveying	2
2980:340	Cadastral Surveying	2
2980:420	Route Surveying	3
2980:425	Land Navigation	3
2980:426	History of Surveying To 1785	2

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2980:428	History of Surveying Since 1785	2
2980:445	Applications in GIS using GPS	3
2980:450	Topics in Professional Practice	2
2980:489	Special Topics in Surveying	1-3
2980:490	Workshop in Surveying	1-3
2980:495	Internship: Surveying and Mapping	3
2980:498	Independent Study	1-3
2980:xxx		
2940:xxx	Any 2940 Course: Upon Approval of the Program Director	