

# Land Surveying

## Associate of Applied Science Degree (298109AAS)

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

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 University of Akron's College of Applied Science and Technology but is intended only as a guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. 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, and prerequisites, among others. The transfer process is completed through an appointment with your Academic Advisor.

*Italicized* courses fulfill General Education requirements. If a course is not specified, refer to the General Education webpage at <http://www.uakron.edu/cast/gened>. The College of Applied Science and Technology recommends that students take the General Education courses listed in this curriculum guide. Transfer students should consult their Advisor to identify courses that are equivalent.

Year 1 Fall	Prerequisite
2020:121 <i>English (3)</i>	<i>placement by Advisor</i>
2030:153 <i>Technical Mathematics III (2)</i>	2030:152 with grade of C- or placement by Advisor
2980:170 Surveying Drafting (3) (Sch. Lab) (Note a)	2030:152 corequisite
2980:100 Introduction to Geomatics (2)	
2980:101 Basic Surveying (3) (Sch. Lab)	2030:153 corequisite
<b>Total Credits = 13</b>	

Year 1 Spring	Prerequisite
2030:154 Technical Mathematics IV (3)	2030:153 with grade of C- or placement by Advisor
2030:260 Advanced Trigonometry (2) (Note b)	2030:153 or equivalent with a grade of C-, or placement test
2820:160 <i>Technical Physics: Mechanics (4) (Sch. Lab)</i>	2030:154 corequisite
2980:102 Topographic Surveying (2) (Sch. Lab)	2030:153, 2980:101 or equivalent
2980:155 Computer Applications in Surveying (3) (Sch. Lab)	
<b>Total Credits = 14</b>	

Year 1 Summer	Prerequisite
2980:123 Surveying Field Practice (2)	2980:102 or equivalent

Year 2 Fall	Prerequisite
2040:243 <i>Contemporary Global Issues (3)</i>	
2980:222 Construction Surveying (3) (Sch. Lab) (Note a)	2980:101
2980:223 Geospatial Technologies (3) (Sch. Lab)	
2980:228 Boundary Surveying (3) (Sch. Lab) (Note a)	2980:101
Surveying Elective (2) (Note c)	
<b>Total Credits = 14</b>	

Year 2 Spring	Prerequisite
2985:101 Introduction to Geographic and Land Information Systems (3) (Sch. Lab)	
2980:225 Advanced Surveying (3) (Sch. Lab) (Note b)	2980:228
2980:251 CST Seminar (1) (Note d)	2980:222
3350:100 <i>Introduction to Geography (3)</i>	
3370:101 <i>Introductory Physical Geology with Lab (4)</i>	
2420:263 <i>Professional Communications and Presentations (3)</i>	<i>Prerequisite or corequisite: 2020:121 or 3300:111</i>
<b>Total Credits = 17</b>	

**Total Credits for Degree = 60**

**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.**

**You must have a minimum cumulative GPA of a 2.0 to graduate with this degree.**

Notes:

- Traditionally Fall only (See Program Contact)
- Traditionally Spring only (See Program Contact)
- Surveying Electives

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)
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 Any 2985 Course
29840:xxx Any 2940 Course: Upon Approval of the Program Director

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

### Program Contact

Program Director: Mr. Gary A. Schuller, Program Director, Schrank Hall South 117J, 330-972-7122 or [gas1@uakron.edu](mailto:gas1@uakron.edu).

### 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.

### 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>.

### 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.

### Transfer to the College of Applied Science and Technology

To be admitted to the College of Applied Science and Technology, a student must have a GPA of 2.0. A student can complete the transfer process through an appointment with an Academic Advisor in the college in which they reside.