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

Mr. Gary A. Schuller
Program Director
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330-972-7122
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.

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

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

Total Hours 13

Summer Semester
2980:123 Surveying Field Practice 2

Total 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

Total 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

Total 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.nsps.us.com (http://www.nsps.us.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

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>2980:325</td>
<td>OSHA Safety Requirements for Surveyors</td>
<td>1</td>
</tr>
<tr>
<td>2980:335</td>
<td>The Business of Surveying</td>
<td>2</td>
</tr>
<tr>
<td>2980:340</td>
<td>Cadastral Surveying</td>
<td>2</td>
</tr>
<tr>
<td>2980:420</td>
<td>Route Surveying</td>
<td>3</td>
</tr>
<tr>
<td>2980:425</td>
<td>Land Navigation</td>
<td>3</td>
</tr>
<tr>
<td>2980:426</td>
<td>History of Surveying To 1785</td>
<td>2</td>
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<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>2980:428</td>
<td>History of Surveying Since 1785</td>
<td>2</td>
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<tr>
<td>2980:445</td>
<td>Applications in GIS using GPS</td>
<td>3</td>
</tr>
<tr>
<td>2980:450</td>
<td>Topics in Professional Practice</td>
<td>2</td>
</tr>
<tr>
<td>2980:489</td>
<td>Special Topics in Surveying</td>
<td>1-3</td>
</tr>
<tr>
<td>2980:490</td>
<td>Workshop in Surveying</td>
<td>1-3</td>
</tr>
<tr>
<td>2980:495</td>
<td>Internship: Surveying and Mapping</td>
<td>3</td>
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<td>2980:498</td>
<td>Independent Study</td>
<td>1-3</td>
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<tr>
<td>2980:xxx</td>
<td></td>
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<tr>
<td>2940:xxx</td>
<td>Any 2940 Course: Upon Approval of the Program Director</td>
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