LAND SURVEYING, AAS

Associate of Applied Science in Land Surveying (298109AAS)

More on the Land Surveying and Surveying and Mapping programs (https://www.uakron.edu/engineering/ce/undergraduate/surveying-mapping/)

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.

This degree program is accredited by the Applied and Natural Science Accreditation Commission of ABET, http://www.abet.org.

Bachelor Degree Program
Upon completion of the Associate of Applied Science in Land Surveying, a student may proceed to the Bachelor of Science in Surveying and Mapping (298103BS).

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 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.

1st Year
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
- 2980:102 Topographic Surveying (Sch. Lab) 2
- 2980:155 Computer Applications in Surveying (Sch. Lab) 3
- 3650:261 Physics for Life Sciences I 4

Hours: 14

Summer Semester
- 2980:123 Surveying Field Practice 2

Hours: 2

2nd Year
Fall Semester
- 2980:222 Construction Surveying (Sch. Lab) 1 3
- 2980:223 Geospatial Technologies (Sch. Lab) 3
- 2980:228 Boundary Surveying (Sch. Lab) 3
- 3850:243 Contemporary Global Issues 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.

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>
</tr>
</thead>
<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>
</tr>
<tr>
<td>2980:428</td>
<td>History of Surveying Since 1785</td>
<td>2</td>
</tr>
<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>
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<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>Any 2940 Course: Upon Approval of the Program Director</td>
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