

# Geomatics and Engineering Technology Program

civil.chemeketa.edu

The Geomatics and Engineering Technology program offers a one-year Certificate of Completion. The one-year certificate program prepares the student for entry-level surveying and drafting positions. Curricula include courses and field experiences in drafting and surveying. All credits apply toward the Associate of Applied Science degree in CAD Drafting Technology.

Total required credit may vary due to three to four credit conversion. Chemeketa degree and certificate minimum requirements must be met.

## Program outcomes

### Students completing the certificate will:

- Apply skills and attitudes that reflect professional behavior in the field and office.
- Work as a member of a team to set up and operate surveying equipment to gather data for site plans.
- Perform basic survey calculations.

## Getting started

The first step to entering this program is to take part in an assessment process, which includes taking the college's free placement test. The second step is to discuss your scores with the Counseling and Career Services staff. Next, see a Geomatics and Engineering Technology program advisor. If your scores show you need pre-program classes, your advisor will help you determine if you need one or more of the following:

CA121A	Keyboarding A (if less than 25 wpm) .....	1
CIS101	Introduction to Microcomputer Applications .....	3
MTH070	Elementary Algebra .....	4
RD090	College Textbook Reading.....	3
WR080	Basic Writing.....	4

If you have questions about the requirements, contact Geomatics and Engineering Technology faculty at 503.399.5069. Failure to be assessed may delay your entry into program classes.

## Geomatics and Engineering Technology

### Survey Technology Certificate of Completion

*In addition to tuition, estimated costs for students who complete the entire program listed below are books, \$700; class fees, \$250; universal fee, \$450; equipment and supplies, \$400. Contact the Financial Aid Office at 503.399.5018 to find out if you qualify for help with these costs.*

You may earn a Certificate of Completion by successfully completing the required 50 credit hours with a grade of "C" or better in all courses:

Course	Title	Credit Hours
<b>Term 1</b>		
COM051	Communication Skills 1+ .....	3
	or	
WR121	English Composition-Exposition+ (or higher) .....	4
CVL130	Work Zone Safety and First Aid .....	1
CVL143	Introduction to Civil Survey .....	3
DRF110	Applied Engineering Computations .....	2
DRF112	Sketching .....	1
DRF130	CAD 1 .....	3
MTH081	Technical Mathematics 1+ .....	4
	or	
MTH111	College Algebra + (or higher).....	5
<b>Term 2</b>		
CVL144	Intermediate Civil Survey.....	3
DRF131	CAD 2.....	3
DRF220	GIS 1 .....	2
GEG105	Physical Geography .....	4
MTH082	Technical Mathematics 2 .....	4
	or	
MTH112	Trigonometry (or higher).....	5
<b>Term 3</b>		
CVL162A	Plane Surveying 2-Lecture .....	2
CVL162B	Plane Surveying 2-Lab .....	2
DRF132	CAD 3.....	3
DRF160	Spreadsheet and Database Applications .....	3
DRF221	GIS 2.....	3
PSY104	Psychology in the Workplace+ .....	4



chemeketa.edu • 4000 Lancaster Dr. NE • Salem, Oregon 97305

Chemeketa Community College is an equal opportunity/affirmative action employer and educational institution. To request this publication in an alternative format, please call 503.399.5192.

