

# FIELD SURVEYING AND MAPPING, CAREER PATHWAY CERTIFICATE OF COMPLETION

The Career Pathway Certificate of Completion: Field Surveying and Mapping can be completed in two terms. Students completing this certificate will gain a basic knowledge and the skills to be employed in an entry-level position in the forestry field.

Click here (<https://www.socc.edu/pathways/roadmapsaz/157-forestry>) to learn how this Career Pathway Certificate can lead to an AAS Forestry degree.

## Graduation Requirements

Students must complete a minimum of 15 credit hours with a minimum Grade Point Average (GPA) of 2.0 or better. All courses in the program must be completed with a 'C' or better. One course must be completed at Southwestern before the Career Pathway Certificate of Completion: Field Surveying and Mapping is awarded.

Complete the graduation application process one term prior to the term of completion (e.g., spring term graduates must apply during winter term).

## Pre-Program Courses

Students are required to take the following courses *prior to* the program courses, depending on students' college placement information. See advisor for details:

Code	Title	Credits
CIS120	Concepts of Computing (or demonstrate proficiency)	4

## Program Guide

Course	Title	Credits
<b>Winter</b>		
GEOG265	Intro to Geographical Info Systems	3
FE209	Forest Photogrammetry & Intro to	4
F222A	Elementary Forest Surveying	4
Credits		11
<b>Spring</b>		
F223	Forest Measurements	4
Credits		4
Total Credits		15

## Program Student Learning Outcomes

Upon successful completion of this program the student will be able to:

- Discuss important forest management challenges and potential solutions.
- Discuss characteristics of regional forests, field techniques, and management practices.
- Demonstrate basic skills in forest surveying, remote sensing, geographic information systems, and spreadsheet applications.