

# Guided Pathways: Redesigning ELAC



## STEM Career and Academic Pathways Program Map: Skills Certificate for 3D Mapping for GIS Applications

Total number of units: 7 units

Top Code/Academic Plan: 957300

Updated on June 5, 2020

Semester 1	Course Code	Course	Units	Notes	Notes for Part-time students
Program Course	ES 121	<b>Land Surveying I</b>	<b>3</b>	Offered every fall semester, Fridays. This course also prepares you for the FE, FS, PE and PLS State of CA examination. Course offers several field activities. Prerequisite includes Math 241 (trigonometry); can be waived if student has field and office experience.	Typically offered in Fall.

**Total Units 3**

Semester 2	Course Code	Course	Units	Notes	Notes for Part-time students
GE Course	Geog 25	<b>Intro. to GIS and Lab</b>	<b>4</b>	Check with Geography department to learn about course offering schedule. No Prerequisites. This course is college transferable at the CSU level.	Typically offered in Fall.

**Total Units 4**

### Degree Path and Requirements:

Skills Set Certificate requirements is 7 units.

### Department Advising Notes:

See Humberto A. Gallegos for information regarding undergraduate and graduate studies in geospatial engineering and technologies.

### Program Description

The Geo-Spatial Engineering & Technologies mission is to enhance student's hands on skill sets, networking opportunities, and offer advanced forms of training regarding field equipment and software used in land development and research oriented projects in civil and geomatics engineering. GSET offers several certificates of achievements, skill sets, and associate of science degrees in land surveying, geospatial engineering and technologies, and flood mapping. GSET is also structured to offer articulated courses in civil engineering.

### Career and Transfer Opportunities

See Geo-Spatial and Engineering Technologies brochure in PDF.

### Youtube Videos

### Program Map

A suggested sequence of classes to complete a degree, certificate, or program of study. Students should consult an academic counselor for variations to this plan based on part-time or full-time status, transfer plans, pre-requisites needed, etc.

### Milestones

Courses or specific requirement designed to keep students on course to complete.

### Core Course

A course that all declared majors must complete in order to achieve a degree or certificate.

### Prerequisite Course

A specific course that must be completed before advancing to the next course.

Check the online catalog at [elac.edu](http://elac.edu) for the latest and most accurate information.

### Contact

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