



Science, Technology, Engineering, and Mathematics Career and Academic Pathways (CAPs) Program Map: Skills Certificate for LabVIEW Certification

Total number of units: 6 units

Top Code/Academic Plan: 0901.00/0934.00

Updated on December 10, 2021

Fall Semester	Course Code	Course	Units	Notes	Notes for Part-time students
Program Course	ENG GEN 121	Programming for Engineers: C++	4	Offered every fall semester. This course is transferrable and can also be used to obtain credit for the Programming and Problem-Solving Skills Certificate.	This course is scheduled during the late afternoon to allow students who are currently employed to complete the course after work hours.
Program Course	EET 121	NI Certified LabView Associate Developer	2	This course is in demand by industry leaders in both electrical engineering and research-oriented laboratories. It is the first step in the three-part NI LabView certification process.	

Total Units 6

Degree Path and Requirements:

This map is a suggested term-by-term sequence of courses to complete the program in a recommended time frame. This is an efficient and recommended plan, but actual plans may vary by individual student need. This map cannot replace a meeting with [counselors](#). Students can apply for certificates as soon as the necessary courses are completed. Meet with a [counselor](#) and the [financial aid office](#) to ensure continued financial aid. Check with [financial aid](#) for eligibility.

This skills certificate's requirement is 6 units. Note that the prerequisite course for ENG GEN 121 is MATH 261. EET 121 requires completion of ENG GEN 121 prior to enrollment.

Department Advising Notes:

Contact Mr. Jose Ramirez for further information regarding transfer requirements for an academic educational plan in electrical engineering or computer science. In addition, please set up an appointment with a [STEM counselor](#) to obtain further information regarding the General Education requirements to transfer to schools with an electrical engineering and computer science program.

Program Description

This skill set certificate program prepares students for an entry level, student engineering internship opportunity. Both set of courses (ENG GEN 121 & EET 121) require a good sense of advanced math concepts that will enhance the students understanding of engineering applications. The programming languages C++ and LabView are highly sought out for in industry and are considered advanced programming languages.

Career and Transfer Opportunities

Visit the [Transfer Center](#) for transfer information, which varies based on transfer college. Make an appointment with a [counselor](#). Students can visit [Career and Job Services](#) for career counseling and further exploration. For additional resources, students pursuing a certificate can visit the [American Job Center of California](#) on ELAC main campus.

Please refer to the [careers videos](#) using the department of labor's occupational titles for the architecture and engineering sector.

In addition, you can utilize ELAC's [career coach website](#) to discover majors and in-demand careers and education based on your interests.

Youtube Videos

[What is LabView](#)

[E&T's video collection](#) (motivational, lessons learned, for entrepreneurs, calculator tips and tricks, and others)

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.

Prerequisite Course

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

Check the online catalog at elac.edu for the latest and most accurate information.

Contact

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