



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

Total number of units: 5 units

Top Code/Academic Plan: 0946.10

Updated on 9/30/2021

Semester 1	Course Code	Course	Units	Notes	Notes for Part-time students
Program Course	EET 120	DC Circuits	3	Prerequisite: MATH 125 or 125S or 134. LECTURE, 2 HOURS; LABORATORY, 3 HOURS; DISCUSSION, 1 HOUR.	Check Availability: Mostly Offered Midday Session.

Total Units 3

Semester 2	Course Code	Course	Units	Notes	Notes for Part-time students
Program Course	EET 122	Solar Cell and Hydrogen Fuel Cell Technologies	2	Prerequisite: EET 120.	

Total Units 2

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](#).

Department Advising Notes:

We recommend that students meet with an academic counselor as well as with a career counselor before deciding on which elective courses to take for this degree. Please take note of the prerequisite courses that are required for the courses in this degree.

Program Description

This certificate helps students learn about sustainable energy generation and characteristics. Students learn linear circuit analysis and practice its application to areas of importance in electrical engineering such as resistive circuits, Kirchhoff laws, node and loop analysis. Students also perform laboratory exercises to learn how to create circuit designs using electronic components and to use instruments such as millimeters, oscilloscopes, and signal generators.

Career and Transfer Opportunities

Sustaining (Renewable) Energy Certification: A renewable energy certificate, or REC (pronounced: rĕk), is a market-based instrument that represents the property rights to the environmental, social and other non-power attributes of renewable electricity generation. RECs are issued when one megawatt-hour (MWh) of electricity is generated and delivered to the electricity grid from a renewable energy resource.

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.

Youtube Videos

[You Belong at East Los Angeles College](#)

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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