



Science, Technology, Engineering, and Mathematics Career and Academic Pathways (CAPs) Program Map: Certificate of Achievement for Cooling Systems and Climate Control Specialist

Total number of units: 18 units

Top Code/Academic Plan: 0948.03

Updated on September 12, 2021

Semester1	Course Code	Course	Units	Notes	Notes for Part-time students
Program Course	AUTOMO 111	Engine Repair and Rebuilding	5	Required Core Course for the Degree and Certificate.	
Program Course	AUTOMO 601	Automobile Electrical/ Electronic Systems	5	Required Core Course for the Degree and Certificate.	
Program Course	AUTOMO 701	Automobile Heating and Air Conditioning	5	Required Core Course for the Degree and Certificate.	

Total Units 15

Semester 2	Course Code	Course	Units	Notes	Notes for Part-time students
Program Course	LOGTIC 108	Industry Safety Fundamentals	3	Required Core Course for the Degree and Certificate.	

Total Units 3

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.

Department Advising Notes:

The department recommends that students meet with an Academic Counselor during the course of this program, to plan for course and program completion.

Program Description

This certificate is designed to analyze wiring diagrams/flowcharts and determine the circuit and/or system fault; to evaluate and communicate the cause of the concern of the specific automotive system; to perform the technical skills required to correct the specific automotive system.

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.

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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