



# Science, Technology, Engineering, and Mathematics Career and Academic Pathways (CAPs) Program Map: Certificate of Achievement for Automobile Technology

Total number of units: 49 units

Top Code/Academic Plan: 0948.00

Updated on September 12, 2021

Semester1	Course Code	Course	Units	Notes	Notes for Part-time students
Program Course	AUTOMO 101	<b>Introduction to Automobile Technology</b>	<b>4</b>	Required Core Course for the Degree and Certificate.	
Program Course	AUTOMO 111	<b>Engine Repair and Rebuilding</b>	<b>5</b>	Required Core Course for the Degree and Certificate.	
Program Course	AUTOMO 201	<b>Automatic Transmission and Transaxle</b>	<b>5</b>	Required Core Course for the Degree and Certificate.	

**Total Units 14**

Intersession	Course Code	Course	Units	Notes	Notes for Part-time students
Program Course	LOGTIC 108	<b>Industry Safety Standards</b>	<b>3</b>	Required Core Course for the Degree and Certificate.	
Program Course	AUTOMO 115	<b>Automobile Repair Work Experience</b>	<b>2</b>	Required Core Course for the Degree and Certificate.	

**Total Units 5**

Semester 2	Course Code	Course	Units	Notes	Notes for Part-time students
Program Course	AUTOMO 301	<b>Manual Drive Train Axles</b>	<b>5</b>	Required Core Course for the Degree and Certificate.	
Program Course	AUTOMO 401	<b>Suspension, Steering and Wheel Alignment</b>	<b>5</b>	Required Core Course for the Degree and Certificate.	
Program Course	AUTOMO 501	<b>Automobile Braking Systems</b>	<b>5</b>	Required Core Course for the Degree and Certificate.	

**Total Units 15**

Semester 3	Course Code	Course	Units	Notes	Notes for Part-time students
Program Course	AUTOMO 601	<b>Automobile Electrical/ Electronic Systems</b>	<b>5</b>	Required Core Course for the Degree and Certificate.	
Program Course	AUTOMO 701	<b>Automobile Heating and Air Conditioning</b>	<b>5</b>	Required Core Course for the Degree and Certificate.	
Program Course	AUTOMO 801	<b>Advanced Engine Performance</b>	<b>5</b>	Required Core Course for the Degree and Certificate.	

**Total Units 15**

### 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](http://elac.edu) for the latest and most accurate information.

**Contact**

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