

CERTIFICATE IN CLEAN ENERGY AND VEHICLE ELECTRIFICATION TECHNOLOGY

The transportation and energy industry is constantly changing. This certificate prepares students to advance in the field of Clean Energy and Vehicle Electrification by providing training in alternative fuel, hybrid, electric and fuel cell vehicle technology. Jobs include gaseous fuels technician in both automotive light duty and medium-heavy trucks, including transit buses and heavy equipment, hybrid technician, and electric vehicle technician.

Learning Outcomes

Certificate of Achievement Level Student Learning Outcomes

Students completing the Clean Energy and Vehicle Electrification Technology Certificate of Achievement will:

1. Be able to problem solve and analyze clean energy, hybrid and electric vehicles in the ever-changing automotive industry.

Requirements

Code	Title	Units
Required courses:		
AUTO 190	Alternative Fuels for Internal Combustion Engines	4
AUTO 282	Electrified Powertrain Vehicles	4
AUTO 283	Fuel-Cell Vehicle Technology	3
Total Units		11

Curriculum Map

2-Year Curriculum Map Example

This map represents one possible pathway through the program and is only for reference.

*It is highly recommended that you make an appointment (<https://www.citruscollege.edu/stdntsrv/counsel/Pages/ApptSchedule.aspx>) to create a customized education plan that fits your needs.

First Year		
Fall Term 1		Units
AUTO 148 or AUTO 168 or MTRK 159	Engine Management Systems Service and Repair or Engine Control Systems Service, Diagnosis and Repair or Diesel Engine Management Systems	4-8.5
	Units	4-8.5
Winter Term 1		
AUTO 190	Alternative Fuels for Internal Combustion Engines	4
	Units	4

Spring Term 1		
AUTO 282	Electrified Powertrain Vehicles	4
	Units	4
Summer Term 1		
AUTO 283	Fuel-Cell Vehicle Technology	3
	Units	3
	Total Units	15-19.5

Career Information

Career Opportunities

There are a variety of careers you can do with this major.

To explore more about this major, schedule an appointment (<https://www.citruscollege.edu/stdntsrv/ctcenter/Pages/ApptSchedule.aspx>) with a career counselor.