

# HYBRID & ELECTRIC PLUG-IN VEHICLE TECHNOLOGY



**Pathway:** Advanced Transportation & Manufacturing  
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Award Title	Award Type	GE Units	Required Course Units	Major Elective Units	Major Units
Hybrid & Electric Plug-in Vehicle Technology	C		12	-	12

For additional related degrees and certificates, refer to programs under Automotive Collision Repair, Automotive Technology, Diesel and Related Technology, Motorcycle Repair Mechanics and Rail Vehicle Maintenance.

## PROGRAM OVERVIEW

The courses listed in this certificate compile a comprehensive list of job related skills needed to acquire hybrid and electric plug-in vehicle maintenance and repair technical skills. They cover basic, intermediate and advanced level training of these vehicles including the different configurations used in the automotive, transit and trucking industries. These skills will prepare an individual for entry-level employment or career advancement in the maintenance and repair of hybrid vehicles in all sectors of the transportation industry.

## PROGRAM LEARNING OUTCOMES (PLOs)

Upon completion of the **Certificate** program, students are able to:

1. Identify and explain the operations of alternative fuel and hybrid electric vehicles and related safety standards.
2. Diagnose and repair alternative fuel and hybrid electric vehicles using specialty tools and equipment in accordance with industry standards.

## USEFUL LATTTC LINKS:

**College Catalog:** <http://college.lattc.edu/catalog/>

**Financial Aid Office:** <http://college.lattc.edu/financialaid/>

**Counseling Department:** <http://college.lattc.edu/counseling/>

**General Education Information:** <http://college.lattc.edu/catalog>

**Advanced Transportation & Manufacturing Pathway:**  
<http://pathways.lattc.edu/atm>

## HYBRID & ELECTRIC PLUG-IN VEHICLE TECHNOLOGY

### Certificate of Achievement Major Units: 12

A Certificate of Achievement in Hybrid and Electric Plug-in Vehicle Technology may be earned by completing 12 units of Required Courses with a "C" or better in each course.

## REQUIRED COURSES

### UNITS

COURSE	COURSE TITLE	UNITS
DIESLTK 301	Introduction to Alternative Fuels & Hybrid Vehicle Technology	1
DIESLTK 302	Hybrid and Plug-in Electric Vehicle	6
DIESLTK 303	Advanced Hybrid and Plug-in Electric Vehicles	5

**NOTE:** Students are required to provide basic hand tools, Transportation Technology uniform and personal safety equipment.

You can register in these classes by logging on to the Student Information System at <http://college.lattc.edu/student/new-students/register-now/>

*For additional information consult a LATTTC college counselor.*