

HYBRID & ELECTRIC PLUG-IN VEHICLE TECHNOLOGY



Department: **Advanced Transportation & Manufacturing**
 Department Chair: **Mr. Jess Guerra, Room F-212E**
 (213) 763-3919, GuerraJ@lattc.edu

Award Title	Award Type	Grad. Plan	Required Course Units	Major Elective Units	Total Major Units
Hybrid & Plug-in Electric Vehicle Technology	C		12	-	12

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:

- Identify alternative fuel and hybrid vehicles and explain their operation and related safety repair procedures.
- Safely remove and replace various hybrid and plug-in electric vehicle components using specialty tools and equipment according to manufacturer and industry safety guidelines.

USEFUL LINKS

LATTC Catalog
<http://college.lattc.edu/catalog/>

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

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

Graduation Plan A
<http://college.lattc.edu/catalog>

Graduation Plan B
<http://college.lattc.edu/catalog>

Advanced Transportation & Manufacturing Department
<http://college.lattc.edu/transportation>

HYBRID & ELECTRIC PLUG-IN VEHICLE TECHNOLOGY

Certificate of Achievement Major Units: 12

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

REQUIRED COURSES

UNITS		Completed	Semester/Yr
DIESLTK 301	Introduction to Alternative Fuels & Hybrid Vehicle Technology	1 <input type="checkbox"/>	_____
DIESLTK 302	Hybrid and Plug-in Electric Vehicle	6 <input type="checkbox"/>	_____
DIESLTK 303	Advanced Hybrid and Plug-in Electric Vehicles	5 <input type="checkbox"/>	_____

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

You can enroll in these classes by logging on to the Student Information System at <http://college.lattc.edu/sic/sis/>

For additional information consult a LATTC college counselor.