

# HYBRID & ELECTRIC PLUG-IN VEHICLE TECHNOLOGY

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| Award Title  | Academic Plan | Award Type | GE Units | Required Course Units | Major Elective Units | Major Units |
|--|---------------|------------|----------|-----------------------|----------------------|-------------|
| Hybrid & Electric Plug-in Vehicle Technology           | T008478D      | C          |          | 12                    | -                    | 12          |
| This program is <u>not</u> eligible for Financial Aid. |               |            |          |                       |                      |             |

## 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 and explain the operations of alternative fuel and hybrid electric vehicles and related safety standards.
- 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/catalog-programs/atm1/>

## 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 |
|-------------|---|-------|
| 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.