



Automotive Student Service Education Training

The Manufacture Specialty Technician Certificate option prepares students for employment as an entry-level automotive technician in a new car dealership. Through courses focusing on the mechanical areas of the vehicles, including basics in engines, suspension, and brakes, students learn how to use specialty equipment and hand tools found in service and repair facilities of a new car dealership. Core topics include maintenance and service, engine operation, transmission service and repair, and suspension and brakes diagnosis and repair. Design, function, and operation of all these systems is also included in the certificate. Graduates are employed specialized technicians, general service technicians, quick service technicians, tire and brake technicians, apprentice technicians, in new car dealerships. Cognitive ability and hand-eye coordination are recommended for those entering the program.

### AUTOMOTIVE HEAVY LINE & CHASSIS TECHNICIAN

First Semester

Course	Course Name	Units
AUTO 151	Automotive Alignment Brake and Suspension	6.5
AUTO 73	Work Experience	3

Second Semester

AUTO 111	Automotive Engines	4
AUTO 73	Work Experience	3

**Total Certificate Requirements 16.5**

### AUTOMOTIVE ELECTRICAL & ENGINE PERFORMANCE TECHNICIAN

First Semester

Course	Course Name	Units
AUTO 161	Automotive Electricity	7
AUTO 73	Work Experience	3

Second Semester

AUTO 181	Electronic Engine Management Systems - Corporate	6.5
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**Total Certificate Requirements 16.5**

### AUTOMOTIVE DRIVETRAIN & AIR CONDITIONING

First Semester

Course	Course Name	Units
AUTO 179	Automotive Air Conditioning	4
AUTO 73	Work Experience	3

Second Semester

AUTO 121	Drivetrain Transmissions and Axles	6.5
AUTO 73	Work Experience	3

**Total Certificate Requirements 16.5**

### MANUFACTURE SPECIALTY

Course	Course Name	Units
AUTO 151	Automotive Alignment Brake and Suspension	6.5
AUTO 161	Automotive Electricity	7
AUTO 111	Automotive Engines	4
AUTO 121	Drivetrain Transmissions and Axles	6.5
AUTO 181	Electronic Engine Management Systems	6.5
AUTO 179	Automotive Air Conditioning	4
*AUTO 73	Automotive Mechanical Repair Occupational Work Experience	3 (For a total 15 units)

**Total Certificate Requirements 49.5**

For more information on Certificates, and Verifications of Completion please refer to the current General Catalog:  
[www.cerritos.edu/catalog](http://www.cerritos.edu/catalog)