

AUTOMOTIVE CHASSIS SPECIALIST CERTIFICATE OF COMPLETION

This noncredit certificate program prepares students with the skills and knowledge necessary to perform basic diagnosis and repair in the automotive shop environment. This program includes coursework that is essential for entry-level positions and enhances the skills and knowledge base of those who are seeking career progression within the automotive industry. Completing this non-credit certificate program prepares students to pass ASE certification tests in the areas of A4 Automotive brakes, A5 Suspension/Steering, and A6 Automotive Electrical systems.

Required Courses

Course Number	Course Name	Hours
AUT 542	Brakes/Suspension/Alignment	204
AUT 562	Automotive Electrical Systems	153

Total hours

357

Program Level Student Learning Outcomes Required:

1. Locate service information from available sources, determine specifications, locate procedures, determine parts and labor charges and accurately complete a repair order for chassis.
2. Describe the theory and operation of automotive suspension and brakes. Explain technical procedures and legal processes.
3. Demonstrate competency in service and repair by being able to test, adjust, diagnose, repair, calibrate, and validate repairs on chassis and brake systems.
4. Demonstrate knowledge of safe working habits in an automotive repair facility such as lifts, air tools and brake lathes.