

Automotive Technology I: Maintenance & Repair



Prerequisite: Energy, Power & Transportation Systems

Course: 1811CA/1811CB **Credits:** 2 **Length:** 36 weeks **Placement:** 10-12

Course Description

This course is set up to prepare the student for an entry level position in the Automotive Technology field.

The course covers the following areas: Brakes, Suspension and Steering, Engine Repair, Engine Performance, Manual Drive Train and Axles, Automatic Transmission and Transaxles, Air Conditioning and Heat, and Electricity and Electronics.

Student Activities

Students will be working on vehicles in BBCTA shop facility. This shop is set up like an Automotive Dealership. The shop has safety rules that must be followed to include safety glasses. Students at times will be allowed to work on their own vehicles. We also have donation vehicles and trainers that will be used to teach the student how successfully complete automotive repairs.

Student must supply safety glasses, proper clothing and buy an Automotive work shirt for this class.

Certifications

Student ASE Certification in:
Maintenance & Light Repair
Suspension & Steering, Brakes,
Engine Repair, Engine Performance,
Drive Train & Axles, HVAC

Electrical/Electronic Systems, Transmissions Test

Student Cost: \$15.00 for up to 9 tests BBIA Cost:
\$15.00

SP2 Mechanical Safety Certification

Student Cost: \$0 BBIA Cost: \$0

Additional Considerations

Students need fine motor skills and mobility. Students handle sharp objects and use dangerous equipment. If seeking certification, curriculum cannot be modified.

Organizations/After School/Competition



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Automotive Club