

# Energy, Power & Transportation Systems



**Prerequisite:** Principles of Transportation

**Credits:** 1

**Length:** 12 weeks

**Course:** 181OCT

**Placement:** 12 weeks

## Course Description

Student must have successfully completed Principles of Transportation before beginning this course. Student will study basic automotive brakes, suspension, and light maintenance. Class will consist of a mixture of class work and shop work to introduce the student to the world of an Automotive Technician.

**Student must supply safety glasses and proper work clothing for this class.**

## Student Activities

Student will use shop supplied tools and parts to do brake jobs, suspension repair and replacement, tire and wheel service, wheel balancing, oil changes, plus light service and maintenance. Students are encouraged to bring in their own vehicles for service and only have to supply their own parts and fluids.

### Certifications

Student ASE Certification in:  
 Maintenance & Light Repair  
 Suspension & Steering  
 Brakes  
 SP2

### Organizations/After School/Competition



SkillsUSA is a partnership of students, teachers and industry working together to ensure America has a skilled workforce.

### Additional Considerations

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

**Automotive Club**