

Juniors

- English
- United States History
- Science
- Required Graduation Courses

Maintenance Light Duty Repair/ Advanced (Two Semesters): This course is designed to familiarize students with the automotive engines, engine performance, heating and air conditioning, electrical, and brakes. This class uses standards created by the National Automotive Technicians Education Foundation (NATEF). This class is designed to prepare students for interning at the area dealerships as part of AYES.

Seniors

- English
- Economics/Government
- Required Graduation Courses

Maintenance Light Duty Repair II/Advanced (Two Semesters): This course is designed to familiarize students with the automatic transmission/transaxles, manual drive trains, heating/air conditioning, steering, suspension and electrical. This class uses standards created by the National Automotive Technicians Education Foundation (NATEF). This class is designed to prepare students for interning at the area dealerships as part of AYES.

CENTRAL UNION HIGH SCHOOL
TRANSPORTATIONS PATHWAY
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Central Union High School Automotive Program



Central Union High School Automotive Technology Pathway is designed to provide students with a broad overview of the automotive industry including production, engineering, manufacturing and servicing. The courses will familiarize students with various areas of the automotive engine. Students will have the opportunity to work through classroom instruction and then by a hands on real shop setting. Students will also learn about shop safety, shop operation and participate in Skills USA (VICA) and ACE (Automotive Service Excellence). All courses use standards created by the National Automotive Technicians Education Foundation.

Who Should Join?

If you are interested in a future career in one of the following fields you should join:

- Automotive parts retailer
- Automotive stereo installer
- Assembly Line worker
- Tire installer
- Brake technician
- Off road specialist
- Small engine repair
- Lubrication technician
- Wheel alignment technician
- Entry level technician

Students entering this program should have basic mechanical skills, along with good reading / writing abilities and have the ability to analyze problems. Students' pursuing a career in automotive repair will have the opportunity of summer internships at the local dealerships, and or advanced training. All students will be able to job shadow during Holidays.



What Will We Do?

Students will receive instruction from original equipment manufacturers (OEM's) such as General Motors, BMW, Toyota and Honda. This instruction will allow hands on training on all eight ASE areas, and the new Maintenance Light Duty Repair certification.

Students will perform the following activities.

- Lube oil changes
- Tire mounting/ dismounting, balancing
- Automatic and manual transmission/transaxle service
- Cooling and AC service
- Drive belt service
- Fuel injection service
- Brake service
- Steering and suspension service
- Battery, minor electrical repair
- Wheel alignment
- Engine diagnostics OBD II/CAN
- Develop basic job/employability skills

Automotive Curriculum

Freshman/Sophomores

- Math
- English
- World History (10th)
- Science
- Physical Education
Success 101/Health (9)

Automotive Engine/Engine Performance (One Semester): This course is designed to familiarize students with the automotive engine, engine sub systems, fuel ignition, and emissions controls. Students will receive written and hands on instruction on all engine components.

Automotive Drive Trains (One Semester): This course is designed to familiarize students with the automotive drive trains including manual and automatic transmissions, clutches, differentials, and brake systems. Students will receive written and hands on instruction on all the drive train components.

Automotive Electrical Systems (One Semester): this course is designed to familiarize students with the automotive electrical system, steering/suspension, heating ventilation and air conditioning. Students will receive written and hands on instruction on all the electrical systems.

The Central Union High School District (CUHSD), is committed to ensuring equal, fair, and meaningful access to employment and education services. CUHSD does not discriminate in any Career Technical Education (CTE) opportunities or programs on the basis and/or association with a person or group with one or more of these actual or perceived characteristics of age, ancestry, color, disability, ethnicity, gender, gender identity or expression, genetic information, marital status, medical condition, military or veteran status, national origin, political affiliation, pregnancy and related conditions, race, religion, retaliation, sex (including sexual harassment), sexual orientation, or any other basis prohibited by California state and federal nondiscrimination laws respectively.

CUHSD offers CTE pathway courses in the following industry sectors: Agriculture and Natural Resources; Arts, Media, and Entertainment; Building and Construction Trades; Business and Finance; Health Science and Medical Technology; Hospitality and Tourism; Information and Communication Technology; Manufacturing and Product Development; Public Services; and Transportation. Not all CTE programs are offered at both comprehensive high school sites. There shall be no admission criteria for introductory pathway courses (prerequisites may apply for concentrator and capstone courses).

CUHSD has identified qualified personnel to oversee, lead, and direct the district's efforts to meet the legal obligations set forth in state and federal civil rights laws, and regulations in the delivery of education services. Persons designated to coordinate compliance in CTE Programs are listed: Tricia Petter, Assistant Principal, 760-336-4300 or Sheri Hart, Assistant Superintendent of Educational Services, 760-336-4530.