

## SYSTEMS DIAGNOSTICS, SERVICE AND REPAIR PATHWAY

### Program Description

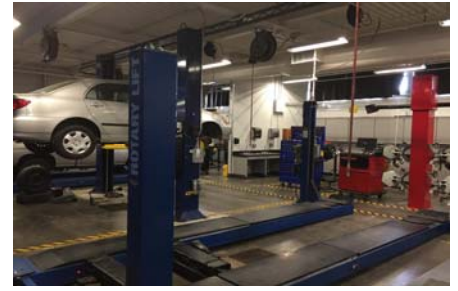
Students trained in the Systems Diagnostics, Service and Repair Pathway will develop an overview of basic design functions and operations. Students successfully completing the program requirements will be able to properly use automotive hand tools, power tools, measuring devices and diagnostic instruments in a manner consistent with the requirements of vehicle repair. Students will be able to perform major tune up procedures to include inspecting, diagnosing correctly, and performing many operations necessary to tune an automobile engine using appropriate equipment and specification manuals. Equipment will include computer-based diagnostic engine analyzers and computer scanners. Our program uses local auto repair businesses as an extension of the classroom. Upon completion of the career pathway requirements, students will find that their skills are highly marketable and will have the training to be employable as an entry level position in the automotive industry. Further post-secondary education is highly recommended.

For more information go to:

- [www.onetonline.org](http://www.onetonline.org)
- [www.bls.gov/ooh/](http://www.bls.gov/ooh/)
- [www.careeronestop.org](http://www.careeronestop.org)
- [www.virtualjobshadow.com](http://www.virtualjobshadow.com)
- [www.collegegrad.com](http://www.collegegrad.com)
- [www.cacareerzone.org](http://www.cacareerzone.org)

### Interview Ready Portfolio

- Job Application
- Resume
- Cover Letter & Thank You Letter
- Letters of Recommendation
- Certificates of Achievement / Awards



### CTE PATHWAY CORD REQUIREMENTS

The following courses and program components are required for the pathway graduation cord and require a grade of "C-" or better:

#### Introductory Course:

- \*Auto Mechanics

#### Concentrator Course:

- \*Auto Diagnosis and Tune Up

#### Capstone Course:

- \*Automotive Technology

\*course offered at YCHS campus

#### Experiential Learning (20 hours):

- Projects require prior approval from instructor and instructor grade upon completion

#### Interview Ready Portfolio:

- Complete the Interview Ready Portfolio; including a final interview with a business partner

Upon completion of the program requirements, a certificate and graduation cord will be awarded.



# CTE Pathways to the Future



## SYSTEMS DIAGNOSTICS, SERVICE AND REPAIR PATHWAY



### Careers in this Pathway include:

- Automotive Engineer
- Auto Service Technician
- Auto Service Advisor
- Automotive Repair Instructor
- Vehicle Inspector/ Estimator
- Auto Parts Professional

### TECHNICAL SKILLS

Auto Technology is an articulated course with Yuba Community College. Students can earn three (3) college units for the class.

### REAL WORLD LEARNING

Throughout all the courses, students will apply acquired skills and knowledge in real work-based environments.

### Automotive Technician

**2016 Employment**  
74,100

**2026 Employment**  
79,600

**Percent Change**  
(2016-2026)  
7.4%

**Annual Projected job openings**  
7,610

**Median Hourly Wage**  
\$21.35

**Median Annual Wage**  
\$44,297

**Entry Level Education**  
Postsecondary non-degree award

Source: EDD/LMID, California Projections 2016-2026



### CAREER EXPLORATION

Students will explore career options and post high school requirements needed to transition to employment or additional education and training

### STUDENT LEADERSHIP

Leadership training is an integrated component of the Systems Diagnostics, Service and Repair Pathway