



TRANSPORTATION, DISTRIBUTION & LOGISTICS

A GUIDE TO PURSUING YOUR CAREER PATH

GENERAL AUTOMOTIVE TECHNOLOGY >>>

Automobile service technicians and mechanics, often called service technicians or service techs, inspect, maintain, and repair cars and light trucks.

Most automobile service technicians and mechanics work in well-ventilated and well-lit repair shops. Although mechanical problems can often be fixed with computers, technicians perform many tasks with greasy parts and tools, while sometimes in uncomfortable positions. Service technicians work on traditional mechanical components, such as engines, transmissions, belts, and hoses. However, they must also be familiar with a growing number of electrosystems. Braking, transmission, and steering systems, for example, are controlled primarily by computers and electronic components. Other integrated electronic systems, such as accident-avoidance sensors, are becoming common as well. In addition, a growing number of technicians are required to work on vehicles that run on alternative fuels, such as ethanol and electricity.

HIGH SCHOOL PATHWAY CLASSES >>>



AUTOMOTIVE TECHNOLOGIES I will teach the basic skills needed to gain employment as an entry-level automotive technician. Students will be exposed to courses in automotive preventative maintenance, brakes, steering and suspension, electrical systems, engine repair, engine performance, automatic transmission, manual transmission and differential & automotive HVAC. The hours completed in this course are aligned with ASE standards and are a base for the entry-level technician.



AUTOMOTIVE TECHNOLOGIES II will teach the basic skills needed to gain employment as an entry-level automotive technician. Students will be exposed to courses in automotive preventative maintenance, brakes, steering and suspension, electrical systems, engine repair, engine performance, automatic transmission, manual transmission and differential & automotive HVAC. The hours completed in this course are aligned with ASE standards and are a base for the entry-level technician.



AUTOMOTIVE TECHNOLOGIES III will teach the basic skills needed to gain employment as an entry-level automotive technician. Students will be exposed to courses in automotive preventative maintenance, brakes, steering and suspension, electrical systems, engine repair, engine performance, automatic transmission, manual transmission and differential & automotive HVAC. The hours completed in this course are aligned with ASE standards and are a base for the entry-level technician.



CAPSTONE: WBL INTERNSHIP >>>

WBL (WORK-BASED LEARNING) connects skilled, knowledgeable and driven students to local businesses every year. Students who participate in the Transportation & Logistics program and have been selected to participate in WBL will leave school early to work with our fantastic business partners. Benefits to students include a chance to put skills learned in the classroom to use in an authentic setting, getting a competitive advantage on their career and networking with industry leading professionals all while still in high school. www.hallcowbl.org



CAREER TECH STUDENT ORGANIZATIONS >>>

SKILLSUSA is a partnership of students, teachers and industry working together to ensure America has a skilled workforce. We help each student excel.

SkillsUSA's mission is to empower its members to become world-class workers, leaders and responsible American citizens. We improve the quality of our nation's future skilled workforce through the development of SkillsUSA Framework skills that include personal, workplace and technical skills grounded in academics. Our vision is to produce the most highly skilled workforce in the world, providing every member the opportunity for career success.



POTENTIAL CAREERS >>>

- Automobile Glass Installers & Repairers
- Automobile Specialty Technicians
- Electrical & Electronics Installers & Repairers
- Electronic Equipment Installers & Repairers
- Engine and Other Machine Assemblers
- Master Automobile Service Technicians
- Collision Repairers
- Small Engine Repairers

GENERAL AUTOMOTIVE TECHNOLOGY

CAREER PATHWAY - PLAN OF STUDY

GRADUATION REQUIREMENTS >>>

ENGLISH/LANGUAGE ARTS

4 Units *Must Include:*

9th Grade Literature & American Literature

SOCIAL STUDIES

3 Units *Must Include:*

World History, US History, Government & Economics

MATHEMATICS

4 Units *Must Include:*

GSE Algebra I, GSE Geometry & GSE Algebra II

+

one additional GSE/AP/IB/DE Math course

OR

GSE Accelerated Algebra I/Analytic Geometry A,

GSE Accelerated Geometry B/Algebra II, GSE Precalculus

+

one additional GSE/AP/IB/DE Math course

SCIENCE

4 Units *Must Include:*

Physical Science or Physics; Biology;

Chemistry, Earth Systems, Environmental Science or AP/IB course

+

one additional Science course

HEALTH & PERSONAL FITNESS

1 Unit *Must Include:*

1/2 unit of each

CAREER, TECHNICAL & AGRICULTURE EDUCATION (CTAE)

3 Units *Must include:*

Automotive Technologies I, Automotive Technologies II,
Automotive Technologies III

ELECTIVES

4 Units

*Students planning to attend most post-secondary institutions must take 2 units of the same modern language.

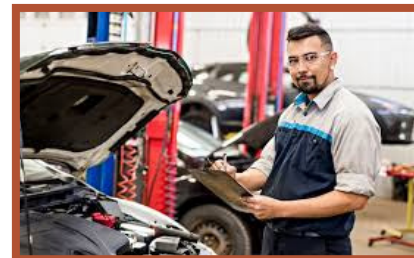
TOTAL UNITS REQUIRED

23 Units

PERSONAL APTITUDES >>>

ACTIVITIES THAT DESCRIBE WHAT I LIKE TO DO:

- Travel.
- See well and have quick reflexes.
- Solve mechanical problems.
- Design efficient processes.
- Drive or ride.
- Move things from one place to another.
- Anticipate needs & prepare to meet them.



PERSONAL QUALITIES THAT DESCRIBE ME:

- Realistic
- Mechanical
- Coordinated
- Observant
- Planner
- Works with hands

WANT MORE INFORMATION ON YOU?

YouScience is the science of YOU – how your mind is wired, what makes you tick, the skills and knowledge that set you apart. You have talent and there's a path that's right for you – we can help you find it.



Login to Infinite Campus and locate the SLDS Portal link on the left. Once logged in, click on "My Career Plan" then choose "Go to YouScience".

WHAT YOU LEARN IN SCHOOL MATTERS

You're learning skills and knowledge that can make you a qualified candidate for in-demand careers. Industry-recognized certifications, available to all pathway students, are great signals to employers that you have the skills they're looking for. Certifications help validate what you know, so other people know, that you know it.

QUESTIONS?

Contact your CTAE teacher, WBL Coordinator or School Counselor

PATHWAY TO FUTURE CAREER OPTIONS >>>

HIGH SCHOOL

Pathway Courses

Automotive Technologies I
Automotive Technologies II
Automotive Technologies III

Capstone

WBL Internship
Dual Enrollment

POST-SECONDARY

Technical College

Certificate
Diploma Program
Degree Program

4 Year College/University

Bachelor Degree
Masters Degree
Graduate Studies