

The certificate of proficiency and the technical certificate programs give the student the opportunity to earn certificates while completing steps toward an Associate of Applied Science degree.

2023-2024



**TECHNICAL CERTIFICATE PLAN  
AUTOMOTIVE SYSTEMS REPAIR**

**Degree Code: 2450; CIP Code: 47.0604**

All technical certificate-seeking students must meet the freshman assessment and placement requirements. If deficiencies exist, the student must complete the required CPT courses.

**A 2.0 GPA is required for graduation from the  
Technical Certificate in Automotive Systems Repair  
program.**

**ATTENTION STUDENTS: PLEASE SEE CURRENT CATALOG FOR  
ALL FEES AND CHARGES ASSOCIATED WITH THIS CERTIFICATE.**

This program is designed to provide students with entry and advanced-level marketable skills. Hands-on-training, combined with laboratory and classroom experience, provide students' knowledge in steering, suspension, electrical, and braking systems; transmissions and drivetrains; engine performance; air conditioning; and safety. Visit [asumh.edu/ge\\_auto](http://asumh.edu/ge_auto) for gainful employment information.

**Student Learning Outcomes for TC Automotive Systems Repair Program**

1. Students will adjust and repair consumer and commercial equipment as an entry-level service shop technician.
2. Students will test and troubleshoot equipment and system.
3. Students will service and repair installed systems.
4. Students will communicate in the proper technical terminology of the industry.
5. Students will express and implement all safety rules and procedures across the full scope of their field.

In addition to these program-specific outcomes, the following general outcomes should apply:

6. Applications of Math and the Natural Sciences appropriate to degree or field of study.
7. Composition and Oral Communication.

Name: \_\_\_\_\_  
Advisor: \_\_\_\_\_

Date: \_\_\_\_\_  
Student ID# \_\_\_\_\_

<u>COURSE CODE</u>	<u>COURSE NAME</u>	<u>CREDIT HOURS</u>	<u>HOURS COMPLETED</u>
<b>General Education (6 credit hours)</b>			
ENG 1003	Composition I (must earn a "C" or better) <b>OR</b>		
ENG 1103	Career Writing (must earn a "C" or better)	3	_____
MATH 1113	Applied Math or higher-level mathematics course	3	_____
<b>Automotive Core (32 credit hours)</b>			
AUTO 1013	Introduction to Automotive Technology	3	_____
AUTO 1024	Brakes and Braking Systems	4	_____
AUTO 1034	Suspension and Steering	4	_____
AUTO 1104	Engine Performance I	4	_____
AUTO 1304	Electrical Systems I	4	_____
AUTO 1403	Automotive HVAC	3	_____
AUTO 2104	Engine Performance II	4	_____
AUTO 2304	Electrical Systems II	4	_____
TECH 1012	Employment Strategies	2	_____

**Program Total 38 Hours**