

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.

2026-2027



**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.

**Program 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.
6. Students will demonstrate employability (soft) skills.

In addition to these program-specific outcomes, students will have demonstrated proficiency in the following general outcomes:

7. Applications of Math and the Natural Sciences appropriate to degree or field of study.
8. 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</b> (6 credit hours)			
ENGL	10103	Composition I (must earn a "C" or better) <b>OR</b>	
ENGL	10203	Career Writing (must earn a "C" or better)	3
MATH	10133	Applied Math or higher-level mathematics course	3
<b>Automotive Core</b> (32 credit hours)			
ASTE	10033	Introduction to Automotive Technology	3
ASTE	12204	Electrical Systems I	4
ASTE	13504	Suspension and Steering	4
ASTE	14003	Automotive HVAC	3
ASTE	14804	Engine Performance I	4
ASTE	16004	Brakes and Braking Systems	4
ASTE	23004	Electrical Systems II	4
ASTE	24804	Engine Performance II	4
TECH	10132	Employment Strategies	2

**Program Total 38 Hours**