

AUTOMOTIVE TECHNOLOGY

(CIP 47.0604)

The certificate and AAS degree programs in Automotive Technology are designed to provide classroom and laboratory experiences on the proper use of hand tools, power tools, diagnostic testing equipment, and technical manuals in all phases of automotive maintenance, repair, and diagnostics, including inspection, engine overhaul, electrical systems, fuel systems and fuel injection, brake systems, transmission and drive train systems (automatic and manual), suspension and steering systems, heating and air-conditioning systems, and engine performance. The program is based on Automotive Service Excellence (ASE) standards and prepares the students for the ASE certification tests. Automotive Technology instructors are ASE Master Certified. The Automotive program is certified by the ASE Education Foundation (formerly NATEF).

A certificate of completion in Automotive Technology may be earned in 10½ months and the AAS degree can be earned in two years. Students must maintain a minimum GPA of 2.0.

ENTRANCE REQUIREMENTS

- Must apply and meet all admission requirements to WCJC.
- College entrance testing (TSI) is NOT required for entrance into the certificate program.

Enrollment is open to new students at the beginning of the fall and spring semesters. New students MUST enroll in AUMT 1301, Introduction and Theory of Automotive Technology, as an introductory course in their first semester. Students must be enrolled in all Automotive Technology courses offered for each semester. Automotive classes are held at the Wharton Campus only.

Students are required to provide their own hand tools and work uniforms.

Capstone Experience: An exit exam will be administered to all students upon completion of the one-year certificate. The capstone test will consist of 80 questions, with 10 questions in each of the eight areas of the Automobile Service Excellence (ASE) certification.

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Level I Certificate

| Semester I | | Semester II | |
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| AUMT 1301 | Introduction and Theory of Automotive Technology (Required first semester; fall or spring) | AUMT 1310 | Automotive Brake Systems |
| AUMT 1407 | Automotive Electrical Systems | AUMT 2413 | Automotive Drive Train and Axles |
| AUMT 1419 | Automotive Engine Repair | AUMT 2425 | Automatic Transmission and Transaxle |
| AUMT 2417 | Automotive Engine Performance Analysis I | AUMT 2434 | Automotive Engine Performance Analysis II |
| | | Semester III | |
| | | AUMT 1345 | Automotive Climate Control Systems |
| | | AUMT 1316 | Automotive Suspension and Steering Systems (Capstone Course) |

Total Semester Hours – 36