



Program Map

Automotive Technology and Outdoor Powered Equipment: Advanced Automotive Level 1



Certificate: Level 1 Certificate (C1)

DESIGN, MANUFACTURING, CONSTRUCTION & APPLIED TECHNOLOGY

Program Description: At ACC, the technical training programs are designed to meet the needs of a modern automotive service facility. Emphasis is placed on real world approaches to diagnostic skill building and a thorough understanding of system theory and operations. Independent, self-directed learning is promoted through hands-on experience with mockups and modern vehicles and use of computer programs and audiovisuals. Students completing degree and/or certificate programs will leave ACC with the workplace skills and professionalism necessary to succeed in the automotive workforce.

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Our expert instructors combine classroom lessons with hands-on shop time repairing real customers' cars. You can even gain valuable experience working on hybrid electric systems. And unlike many schools, ACC is certified by the National Automotive Technicians Education Foundation (NATEF), putting you a step closer to the important ASE technician certification.

Austin Community College's Automotive Technology program is a Tech Prep Program participant. High School students may receive college credit for approved courses taken during high school. Articulating Tech Prep courses include AUMT 1405, AUMT 1407, AUMT 2417, AUMT 1410, AUMT 1416, AUMT 2489. High School students should discuss these options with their high school counselor. Other students should contact an Automotive Technology advisor.

Use this Program Map to choose courses with your college advisor and track your progress towards milestones and completion of program.

Pre-Degree Requirements		
Program Specific	Reading and Writing Placement <i>Placements based on TSI</i>	Mathematics Placement <i>Placements based on TSI</i>

SEMESTER-BY-SEMESTER PROGRAM PLAN FOR FULL-TIME STUDENTS
Plans can be modified to fit the needs of part-time students by adding more semesters

Semester 1	CR	Advising Notes
AUMT 2413 - Automotive Drive Train and Axles	4	Prerequisites: AUMT 1405 and AUMT 1407.
AUMT 2425 - Automotive Automatic Transmissions and Transaxle	4	Prerequisites: AUMT 1405 and AUMT 1407.
AUMT 2432 - Automotive Automatic Transmission and Transaxle II	4	Prerequisites: AUMT 1405 and AUMT 1407.
AUMT 2434 - Engine Performance Analysis II	4	Prerequisites: AUMT 2417 with a grade of C or better.
	16	Program Semester Hours / Meet with your advisor
Semester 2		
AUMT 2437 - Automotive Electronics	4	Prerequisites: AUMT 1405 and AUMT 1407 with a grade of C or better.
AUMT 2457 - Automotive Alternative Fuels	4	Prerequisites: AUMT 1405 and AUMT 1407.
DEMR 2434 - Advanced Diesel Tune-Up and Troubleshooting	4	Prerequisites: AUMT 1405 and AUMT 1407.
AUMT 2428 - Automotive Service OR AUMT 2489 - Internship-Automobile/Automotive Mechanics Technology/Technician	4	Prerequisites: AUMT 1405, AUMT 1407, AUMT 1410, AUMT 1419, AUMT 1445, AUMT 2417, AUMT 2425. Capstone course. ACHIEVEMENT: Completion of Advanced Automotive Level 1 Certificate
	16	Program Semester Hours
Total Program Hours:		32

Please always check online at austincc.edu/catalog or meet with your academic or program advisor to ensure that you are viewing the latest and most accurate information.

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Faculty Reviewer: Mike Shoebroek

Career & Transfer Resources

ACC's Career & Transfer websites provide detailed, guided information on career exploration and transfer.

www.austincc.edu/career; www.austincc.edu/transfer

For further information regarding this specific program, please see the Career & Transfer Resources supplement provided in the next section of this Program Map.

Program Map

Automotive Technology and Outdoor Powered Equipment

Certificate: Advanced Automotive Level 1 Certificate (C1)

Career & Transfer Resources Updated 8/18/17

Career Information

Throughout the U.S. there is a serious shortage of professional auto technicians. Unlike many other industries, automotive service is in constant demand. Auto manufacturers and dealers alike continue to express the need for trained technicians now and in the future. The Automotive Department encourages both women and men to participate in this rewarding profession.

Entry-Level Education

A good understanding of automotive systems theory and design is essential for successful repairs. Our courses provide basic skills for entry level placement in the automotive field, and prepare students for certification through ASE. We provide the opportunity for more rapid advancement in the rapid changing automotive technology. ACC does not give Automotive Service Excellence (ASE) certification, but will help anyone with test registration. All ACC Automotive courses are designed to prepare the student for certification tests. The National Institute for Automotive Service Excellence (ASE) certifies technicians with two years of experience, that pass one or more of the eight different testing areas in the automotive field. ASE also certifies schools through NATEF (National Automotive Technicians Education Foundation). ACC is certified by NATEF and has courses of instruction that correspond to the eight different ASE testing areas.

Common Job Titles

Automotive Specialty Technicians (includes Automobile Mechanic (Auto Mechanic), Automobile Technician, Automotive Technician (Auto Technician), Drivability Technician, Heavy Line Technician, Lube Technician, Oil Bay Technician, Quick Service Technician, Service Technician)

Regional Labor Market Information

Automotive Specialty Technicians: New workers generally start around \$22,196. Normal pay for Automotive Specialty Technicians is \$40,440 per year, while highly experienced workers can earn as much as \$63,891. Over the last year, 107 companies have posted 1,654 jobs for Automotive Specialty Technicians in this region. There are currently 4,453 Automotive Specialty Technicians that are employed in Austin-Round Rock, TX. Source: <https://austincc.emsicc.com/careers/automotive-specialty-technician>

Career and labor market research tools (see Quick Reference Guide at <http://www.austincc.edu/career>): EMSI: <https://austincc.emsicc.com/>, Bureau of Labor Statistics: <http://www.bls.gov/ooh/>, O*NET: <https://www.onetonline.org/>

Career Resources: ACC's career services website provides information on career exploration and employment at <http://www.austincc.edu/career>. Students are encouraged to consult with their [area of study advisor](#) for additional career assistance. The above information is provided as a guide and reference tool for occupations related to this program. This is not a guarantee of job placement in any of these occupations after successful completion of an ACC program. The common job titles listed are representative titles and are provided for career research. These are not the only occupations possible in this area of study.

Transfer Information

The Automotive Technology Advanced Automotive Level 1 Certificate prepares students to directly enter the automotive workforce. Courses in this program can apply to ACC's Associate of Applied Science (AAS) in Automotive Technology. A Bachelor of Applied Arts and Sciences (BAAS) is a transfer degree option for students in AAS programs who want to complete a 4-year degree.

Transfer Guides: *The universities listed here do not constitute an ACC endorsement. Transfer course evaluations and determination of what courses will count toward a bachelor's degree are made by the receiving transfer institution.*

Texas State University: <http://www.owls.txstate.edu/undergraduate-degrees/applied-arts-sciences.html>

Concordia University Texas: <http://www.concordia.edu/academics/college-of-business-and-communication/baas-in-business.html>

Texas A&M University Central Texas: <https://www.tamuct.edu/degrees/undergraduate/business-management.html>

Texas Tech University: https://www.depts.ttu.edu/universitystudies/prospective_students/baas.php

Additional Transfer Resources: ACC's transfer website provides information on additional colleges & universities: <http://www.austincc.edu/transferguides>. Students are encouraged to consult with a faculty advisor, area of study advisor, and/or their chosen transfer institution to ensure courses taken at ACC will apply toward their bachelor's degree program.