

Automotive Technology –AS Degree (Associates GE Track)

+If you have completed coursework at another college and/or are starting in a semester other than a Fall term, please follow up with the Counseling Department to determine if this sequence is appropriate for your academic and career goals.

Program Description: The Automotive Technology program is a comprehensive two-year program designed to prepare students with the industry defined entry-level skills needed for an automotive technician position in a variety of settings including dealerships, independent automotive repair facilities or city/county agencies. Students may opt to complete an associate in science degree or a certificate of achievement in Automotive Technology. The program provides in-depth training with extensive hands-on experiences. In the classroom, students learn the theoretical aspects of automotive diagnosis, repair and service. In the automotive laboratory setting students will experience applying the theory learned in the classroom. Upon completion of the course work required for the certificate or major, students will have achieved competencies in the areas of brakes, suspension, electrical components and wiring, transmissions, engine diagnosis and drivability. While many automobile dealerships require technicians to acquire manufacturer specialty training, the basic skills and knowledge needed to enter specialty training will be obtained in the Automotive Technician program at College of the Canyons.

Student Learning Outcome: Students will be able to demonstrate proficiency in the core skills and knowledge required for employment in the automotive industry.

Important Transfer Information: The sequence listed below, may not meet all your transfer admissions requirements. Connect with a counselor to develop an individual student education plan through the Counseling Department @ <https://www.canyons.edu/counseling> or (661) 362-3288/(661) 362-3811.

Major courses are sequenced and **BOLDED** based on recommendations by the [Automotive Technology Department](#)

First Semester (2-15 units minimum) FA = Fall; WI = Winter; SP = Spring; SU = Summer

Course	Title	Units	Major and GE Courses
AUTECH 110	Introduction to Automotive Technology (FA, SP, SU)	4	Major
AUTECH 112	Engine Fundamentals for Technicians (FA, WI, SP, SU)	3	Major
AUTECH 114	Basic Automotive Electrical Systems (FA, WI, SP)	3	Major
ENGLISH 101/101H OR ENGL 104	English Composition (FA, WI, SP, SU) OR Technical Reading and Writing (FA, SP)	4 or 3	Area Di
PE/Wellness	Take two PE or Dance activity courses (excluding DANCE 100) or Health Science 100, 149, 150, or 243 (FA, WI, SP, SU)	2-3	Area F
Term Total:		15-17	

Check the [Honors](#) website for most recent course offerings. Must be enrolled in the Honors program to take courses, see below.

Second Semester (16-30 units minimum)

Course	Title	Units	Major and GE Courses
AUTECH 113	Engine Overhaul (FA, SP)	2	Major
AUTECH 150	Automotive Brake Systems (FA, WI, SP, SU)	4	Major
AUTECH 180	Engine Mechanical Maintenance and Light Repair (FA, WI, SP, SU)	3	Major
Math Competency	Choose one course from the AA GE Area 3 (FA, WI, SP, SU)	3-5	Area 3 and Dii
American Institutions – Choose Option I or II Department Recommends ECON 170	Complete first course in chosen option – (note: must take both classes within one option) Department Recommends Economic History of the US (FA, SP, SU) – see table below	3	American Institutions
Term Total:		15-17	

Third Semester (31-45 units minimum)

Course	Title	Units	Major and GE Courses
AUTECH 170	Automotive Heating, Ventilation and Air Conditioning (FA)	3	Major
AUTECH 140	Automotive Suspension & Steering Systems (FA, SP)	3	Major
AUTECH 185	Automotive Chassis Maintenance and Light Repair (FA)	3	Major
American Institutions - Department Recommends POLISC 150	Complete second course in chosen option - (note: both classes must be under the same option) Department Recommends Introduction to American Government and Politics (FA, WI, SP, SU) - see table below	3	American Institutions
*Social Science Course - Department Recommends BUS 126 OR SOCI 101	Choose one course from the AA GE Area B - Department Recommends Managing Diversity in the Workplace (FA, SP, SU) or Introduction to Sociology (FA, WI, SP, SU)	3	Area B and Diversity
Term Total:		15	

Consider taking a social science general education course with an () indication on the [Associate Degree Requirements Checklist](#). Courses with an (*) will also meet the GE Diversity Requirement. Refer to the [Associate Degree Checklist](#) for details.

Fourth Semester (47-61 units minimum)

Course	Title	Units	Major and GE Courses
AUTECH 120 Or AUTECH 130	Automatic Transmissions & Transaxles (SP, SU) Or Automotive Manual Transmissions and Drive Train Systems (SP, SU)	5	Major
AUTECH 135	Engine Performance (FA, SP)	4	Major
CWE-186 AUTO (Unpaid) OR CWE-188 AUTO	Cooperative Work Experience Education Automotive Technology (FA, WI, SP, SU)	1-4	Major
Natural Science Course- Department Recommends ENVRNMNT 104	Choose one course from the AA GE Area A (FA, WI, SP, SU) - Department Recommends Energy Resource Conservation (FA, SP)	3	Area A
Arts Course - Department Recommends BUS 160 OR COMS 100	Choose one course from the AA GE Area C Department Recommends Business Ethics (FA, SP, SU) OR Process of Communication (FA, WI, SP, SU)	3	Area C
Term Total:		16+	

Total Units: 61+

American Institutions Requirement – Select one of the options below and complete a total of 6 units

Option I	One course from the following: Economics 170/170H, History 111/111H, History 112/112H, History 120/120H, or History 130 AND Political Science 150/150H (FA, WI, SP, SU)
Option II	History 111/111H AND History 112/112H (FA, WI, SP, SU)

Note: In order to complete your AS in two years a minimum of 15 units per semester is necessary. You may enroll during the winter/summer intersessions to help lighten your academic load during the fall and spring semesters.

Counseling Resources

Automotive Technology Department: <https://www.canyons.edu/academics/automotive/index.php>

Counseling Department: <https://www.canyons.edu/studentservices/counseling/>

Internship Program (CWE): <https://www.canyons.edu/student-services/internships/index.php>

COC Honors Program: <https://www.canyons.edu/academics/honors/index.php>

Associate General Education Guide: <https://www.canyons.edu/student-services/counseling/degrees/generaled.php>

Campus Alliances: <https://www.canyons.edu/administration/ie2/equity/alliances.php>

Petition for Associate Degree: Check the [student calendar](#) for term-specific submission deadlines. Summer graduation associate degree petitions are due by April 1st for your name to appear in the spring commencement pamphlet. The petition form must be reviewed with a counselor and may be found here:

https://www.canyons.edu/resources/documents/student-services/admissions/Petition_for_Associate_Degree_and_Certificate_of_Achievement.pdf

Career Resources

Automotive Technology Career Tree: <https://www.canyons.edu/academics/automotive/careertree/index.php>

ASE Prometrics Test Center: <https://www.canyons.edu/academics/communityeducation/certifications/ase-testing.php>

California Career Zone: <https://www.careerzone.org/>

O*Net Online: <https://www.onetonline.org/>

Bureau of Labor and Statistics: www.bls.gov