

MASTER AUTOMOTIVE SERVICE TECHNOLOGY, A.A.S.

The Automotive Service Technology program is designed to prepare students for a career in the automotive field and help propel individuals with career advancement. Students will learn skills in diagnosing, servicing and maintaining today's sophisticated vehicles. Upon successful completion of the program, students will be prepared to take the Automotive Service Excellence (ASE) Tests. The **Automotive Service Technology Program** is accredited by Automotive Service Excellence Education Foundation (ASEEF).

For more information about Automotive Service Technology, please visit the program page (<http://www.cod.edu/automotive/>).

Degree Requirements

Field of Study Code: AUTO.AAS.MSTR

Code	Title	Credits
Program Requirements		
AUTO 1110	Engine Design and Operation	3
AUTO 1120	Manual Drive Train and Axles	3
AUTO 1131	Automotive Electrical I	3
AUTO 1140	Suspension, Steering and Alignment	3
AUTO 1232	Automotive Electrical II	
AUTO 1240	Braking Systems	3
AUTO 1250	Automotive Air Conditioning and Heating	3
AUTO 1261	Engine Controls & Emissions I	3
AUTO 2120	Automatic Transmission	3
AUTO 2133	Automotive Electrical III	3
AUTO 2140	Advanced Chassis Systems	3
AUTO 2162	Engine Controls and Emissions II	3
AUTO 2220	Advanced Automotive Drivetrains	3
AUTO 2280	Automotive Service	6
Program Electives		
Select one or more credits from the following courses:		1
AUTO 1040	Automotive for Non-Majors	
AUTO 1840	Independent Study	
AUTO 2345	Automotive Hybrid Technology	
AUTO 2364	Automotive ScanTool Usage & Exploration	
AUTO 2365	Intro to Diesel Fuel Systems & Emissions	
AUTO 2370	A.S.E. Certification Analysis & Tech	
AUTO 2840	Experimental/Pilot Class	
AUTO 2860	Internship (Career & Technical Ed)	
WELD 1100	Welding I	
General Education		
Select 18-22 credits		18-22
Total Credits		61-65

General Education Requirements

For general education requirements for the A.A.S. degree, please visit the A.A.S. degree catalog page (<https://catalog.cod.edu/associate-degree-programs/associate-applied-science-degree/>).

Suggested Semester Sequence

Course	Title	Credits
First Semester		
AUTO 1110	Engine Design and Operation ¹	3
AUTO 1120	Manual Drive Train and Axles ¹	3
AUTO 1131	Automotive Electrical I ¹	3
AUTO 1140	Suspension, Steering and Alignment ¹	3
SPEEC 1100	Fundamentals of Speech Communication	3
Credits		15
Second Semester		
AUTO 1232	Automotive Electrical II ¹	3
AUTO 1240	Braking Systems ¹	3
AUTO 1250	Automotive Air Conditioning and Heating ¹	3
AUTO 1261	Engine Controls & Emissions I ¹	3
ENGLI 1101	English Composition I	3
Credits		15
Third Semester		
AUTO 2120	Automatic Transmission ¹	3
AUTO 2133	Automotive Electrical III ¹	3
AUTO 2140	Advanced Chassis Systems ¹	3
AUTO 2162	Engine Controls and Emissions II ¹	3
MATH 1218	General Education Mathematics	3
Gen Ed	Physical and Life Sciences (https://catalog.cod.edu/educational-opportunities/#physical-life)	3-5
Credits		18-20
Fourth Semester		
AUTO 2220	Advanced Automotive Drivetrains ¹	3
AUTO 2280	Automotive Service ¹	6
Elective	Elective	1-3
Gen Ed	Humanities and Fine Arts (https://catalog.cod.edu/educational-opportunities/#humanities-fa)	3
Gen Ed	Social and Behavioral Sciences (https://catalog.cod.edu/educational-opportunities/#social-behavioral)	3
Credits		16-18
Total Credits		64-68

¹ Course has a prerequisite

Program Milestones

First Semester

- Consider joining or visiting with a professional, cultural or interest-based Student Club (http://cod.edu/student_life/clubs_org/).

Second Semester

- If you have not done so yet this semester, it is important to make an appointment with a Faculty or Program Advisor (<https://www.cod.edu/academics/programs/autotech/faculty.aspx>) to discuss your future academic progress.

This page lists programs related to one another.

- Automotive Service Management, Certificate (<https://catalog.cod.edu/programs-study/automotive-service-technology/automotive-service-management-certificate/>)
- Entry Level Automotive Service Technology, Certificate (<https://catalog.cod.edu/programs-study/automotive-service-technology/entry-level-automotive-service-technology-certificate/>)
- Master Automotive Service Technology Advanced Certificate (<https://catalog.cod.edu/programs-study/automotive-service-technology/master-automotive-service-technology-certificate/>)