

Automotive Service Technology | Associate in Applied Science

Field of Study Code: AUTO.AAS.MSTR

Catalog Description

The Automotive Service Technology program is designed to prepare students for career entry or career advancement in the automotive field. 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 National Automotive Technicians Education Foundation (NATEF). The **Master Automotive Service Technology degree** requires a minimum of 67 credits in program requirements, program electives and general education in the courses listed below.

Program Requirements.....48

Auto 1110	Engine Design and Operation.....	3
Auto 1120	Manual Drive Train and Axles	3
Auto 1131	Automotive Basic Electricity.....	3
Auto 1140	Suspension, Steering and Alignment.....	3
Auto 1232	Automotive Engine Electricity	4
Auto 1240	Braking Systems	3
Auto 1250	Automotive Air Conditioning and Heating	3
Auto 1261	Engine Controls & Emissions I	4
Auto 2120	Automatic Transmission.....	3
Auto 2133	Automotive Body Electricity.....	3
Auto 2140	Advanced Chassis Systems	3
Auto 2162	Engine Controls and Emissions II.....	4
Auto 2220	Advanced Automotive Drivetrains	3
Auto 2280	Automotive Service	6

Program Electives1

Select one or more credits from the following courses.

Auto 1040	Automotive for Non-Majors.....	3
Auto 1840	Independent Study.....	1 to 4
Auto 2345	Automotive Hybrid and Electric Vehicle Technology	2
Auto 2364	Automotive ScanTool Usage & Exploration ...	1
Auto 2365	Introduction to Diesel Fuel Systems & Emissions	2
Auto 2370	A.S.E. Certification Analysis & Technology Update.....	2
Auto 2840	Experimental/Pilot Class	1 to 6
Auto 2860	Internship (Career & Technical Ed)	1 to 4
Weld 1100	Welding I	3

* - course has a prerequisite

General Education 18 to 22

Each candidate for an Associate in Applied Science (A.A.S.) degree shall satisfactorily complete a minimum of 18 credits in General Education.

Suggested Course Sequence (Full-Time Enrollment)

Please note: A student's readiness to perform college-level coursework is based on the student's placement test and/or ACT scores. Below 1000 level coursework may be required prior to the student taking courses in the suggested sequences.

First Semester (15 credits)

- Auto 1110 (3)
- Auto 1120 (3)
- Auto 1131 (3)
- Auto 1140 (3)
- Speec 1100 (3)

Second Semester (17 credits)

- Auto 1232 (4)
- Auto 1240 (3)
- Auto 1250 (3)
- Auto 1261 (4)
- Engli 1101 (3)

Third Semester (19 to 21 credits)

- Auto 2120 (3)
- Auto 2133 (3)
- Auto 2140 (3)
- Auto 2162 (4)
- Math 1218 (3)
- Physical and Life Sciences (3 to 5)

Fourth Semester (16 to 18 credits)

- Auto 2220 (3)
- Auto 2280 (6)
- Elective (1 to 3)
- Humanities and Fine Arts (3)
- Social and Behavioral Science (3)

For more information:

If you are considering this program as an area of study, please contact the Business and Technology Division office at 630-942-2592.

Program web site:

<http://www.cod.edu/programs/autotech/>

Written: (3 credits) English 1101 or 1105

Under the specified General Education headings below, the following courses are required:

Communication: 6 credits

Oral: (3 credits) Speech 1100, 1120 or 1150

Physical and Life Sciences: 3 to 5 credits

At least one course with a laboratory component.

Mathematics: 3 to 5 credits

Select a minimum of 3 credits (1000 level or above).

Select Mathematics 1102, 1104 or 1120 only where required in the degree program. Only one from the following three courses may count toward overall degree requirement credit: Mathematics 1635, Psychology 2280 or Sociology 2205. Only one of the following courses may count toward overall degree credit: Mathematics 1428 or Mathematics 1431.

Humanities and Fine Arts: 3 credits

Social and Behavioral Sciences: 3 credits

Complete at least 2 credits from the list of courses in the Global/Multicultural Studies or Contemporary Life Skills Category
(Automotive Technology 1110 fulfills this requirement)

TOTAL CREDITS FOR AAS DEGREE

67 to 71

Career Information AUTO.AAS

Job Title(s): Automotive Specialty Technicians

Automotive Technician (Auto Technician), Technician, Mechanic, Air Conditioning Technician (A/C Technician), Trim Technician, Alignment Specialist, Automobile Mechanic (Auto Mechanic), Automotive Worker, Brake Technician, Drivability Technician

For salary and wage information, please visit: www.onetonline.org

If you would like information regarding internships, resume development, interviewing and job search skills, please contact the Career Services Center

Phone: 630-942-2230

www.cod.edu/careerservices

Twitter: @codcareercenter

Related Occupations:

Electronic Equipment Installers and Repairers, Motor Vehicles

Automotive Master Mechanics Bright Outlook

Bus and Truck Mechanics and Diesel Engine Specialists

Heating and Air Conditioning Mechanics and Installers

Mobile Heavy Equipment Mechanics, Except Engines

Motorcycle Mechanics

Motorboat Mechanics and Service Technicians

Control and Valve Installers and Repairers, Except Mechanical Door