

AUTOMOTIVE SERVICE TECHNOLOGY
AAS DEGREE

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.

Field of Study Code: AUTO.AAS.MSTR

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 Transmissions.....	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 - Individualized	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 Education)	1 to 4
Weld 1100	Welding I	3

General Education 18 to 22

General Education courses totaling 18 to 22 credit hours.

Total Credits Required..... 67 to 71
CERTIFICATE

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Field of Study Code: AUTO.CER.MSTR

Total Credits Required49
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 Transmissions.....	3
Auto 2133	Automotive Body Electricity	3
Auto 2140	Advanced Chassis Systems.....	3
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Auto 2370	A.S.E. Certification Analysis & Technology Update	2
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Auto 2860	Internship (Career & Technical Education).....	1 to 4
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CERTIFICATE

Automotive service manager and service advisor skills will be emphasized. Repair orders will be covered in detail, including how to calculate labor, parts and other fees. Proper terminology and best practice for writing a work order will be covered. Customer service skills including communication skills, service consulting, customer relations, and making the sale will be covered. Safety compliance, employee management, expenses and general shop management will also be covered. The **Automotive Service Management certificate** requires 22 credits in program requirements.

Field of Study Code: AUTO.CER.SERV

Total Credits Required	21
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 1301	Automotive Service Consulting	3
Auto 1302	Automotive Service Management	3
Manag1100	Supervision	3
OR		
Busin 1161	Entrepreneurship	3