AUTOMOTIVE TECHNOLOGY - ASSOCIATE OF APPLIED SCIENCE

61 credits

The Associate of Applied Science in Automotive Technology provides training for employment as an automotive technician or in a related field. The Automotive Technology laboratory and classroom facilities have been equipped with the most current test and training equipment available. Classroom instruction is combined with practical training in the laboratory to provide students with service and repair procedures required for ASE certification. Additional training is available for those technicians seeking to update current practices in the ASE certification areas.

Students must complete all University degree requirements, which include: General Education requirements and elective credits to total at least 61 credits. Developmental coursework will not count towards the degree requirements and/or elective credits, but may be needed in order to take the necessary English and Mathematics coursework.

Program Requirements

Prefix	Title	Credits
General Education		
Choose one course from four of the following six content areas for a total of 12-14 credits [1, 2]		
This degree requires courses from Areas I, IV, V and VI; students do not need to select any other General Education courses to complete the requirement		
Area I: Communications		
ENGL 1110G	Composition I	4
Area IV: Social/Behavioral Sciences [2]		*3*
Area V: Humanities [2]		*3*
Area VI: Creative and Fine Arts [2]		*3*
General Education Elective		
ENGL 2210G	Professional and Technical Communication	3
or COMM 1115G	Introduction to Communication	
Automotive Core Requirements		
AUTO 115	Automotive Engine Repair	4
AUTO 120	Electrical Systems	4
AUTO 122	Automotive Brakes	4
AUTO 129	Automotive Steering and Suspension	4
AUTO 132	Automotive Air-Conditioning and Heating Systems	4
or AUTO 127	Basic Automatic Transmission	
AUTO 201	Engine Performance I	4
AUTO 203	Engine Performance II	4
AUTO 205	Manual Drive Train and Axles	4
ELTR 1120	Electrical Theory I	4
CIST 1121	A+ Hardware and Operating Systems	3
OETS 118	Mathematics for Technicians	3
or MATH 1215	Intermediate Algebra	
WELD 130	GMAW-Gas Metal Arc Welding I	3
or WELD 140	GTAW-Gas Tungsten Arc Welding I	
Total Credits		**61**

1. Each course selected must be from a different area and students cannot take multiple courses in the same area.
2. See the General Education (https://catalogs.nmsu.edu/grants/general-education/) section of the catalog for a full list of courses

A Suggested Plan of Study

This roadmap assumes student placement in ENGL 1110G Composition I and demonstrates how to complete an Associate degree in two years. The contents and order of this roadmap may vary depending on initial student placement in mathematics and English. It is only a suggested plan of study for students and is not intended as a contract. Course availability may vary from fall to spring semester and may be subject to modification or change. Students are advised to earn a C or better in courses to avoid repeating courses and may consider completing General Education courses in the summer.

First Year		
Fall		**Credits**
ENGL 1110G	Composition I	4
AUTO 122	Automotive Brakes	4
ELTR 1120	Electrical Theory I	4
OETS 118 or MATH 1215	Mathematics for Technicians or Intermediate Algebra	3
	Credits	**15**
Spring		
AUTO 115	Automotive Engine Repair	4
AUTO 120	Electrical Systems	4
Area IV: Social/Behavior Science Course [1]		3
WELD 130 or WELD 140	GMAW-Gas Metal Arc Welding I or GTAW-Gas Tungsten Arc Welding I	3
	Credits	**14**
Second Year		
Fall		
AUTO 129	Automotive Steering and Suspension	4
AUTO 201	Engine Performance I	4
AUTO 205	Manual Drive Train and Axles	4
CIST 1121	A+ Hardware and Operating Systems	3
	Credits	**15**
Spring		
AUTO 132 or AUTO 127	Automotive Air-Conditioning and Heating Systems or Basic Automatic Transmission	4
AUTO 203	Engine Performance II	4
ENGL 2210G or COMM 1115G	Professional and Technical Communication or Introduction to Communication	3
Area V: Humanities Course [1]		3
Area VI: Creative and Fine Arts Course [1]		3
	Credits	**17**
	Total Credits	**61**

1. See the General Education (https://catalogs.nmsu.edu/grants/general-education/) section of the catalog for a full list of courses

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