

# 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
<b>General Education</b>		
Choose one course from four of the following six content areas for a total of 12-14 credits <sup>1,2</sup>		13
This degree requires courses from Areas I, IV, V and IV; students do not need to select any other General Education courses to complete the requirement		
Area I: Communications		
ENGL 1110G	Composition I	
Area IV: Social/Behavioral Sciences		
Select one from the following:		
PSYC 1110G	Introduction to Psychology	
or SOCI 1110G	Introduction to Sociology	
Area V: Humanities		
Select one from the following:		
HIST 1110G	United States History I	
HIST 1120G	United States History II	
PHIL 1115G	Introduction to Philosophy	
PHIL 2110G	Introduction to Ethics	
Area VI: Creative and Fine Arts		
Select one from the following:		
ARTH 1115G	Orientation in Art	
THEA 1110G	Introduction to Theatre	
<i>General Education Elective</i>		
ENGL 2210G	Professional & Technical Communication	3
<b>Automotive Core Requirements</b>		
AUTO 112	Basic Gasoline Engines	5
AUTO 117	Electronic Analysis and Tune-Up of Gasoline Engines	5
AUTO 119	Manual Transmission/Clutch	5
AUTO 120	Electrical Systems	4
AUTO 125	Brakes	5
AUTO 126	Suspension, Steering, and Alignment	5

AUTO 132	Automotive Air-Conditioning and Heating Systems	4
or AUTO 127	Basic Automatic Transmission	
AUTO 137	Fuel Systems and Emission Controls	4
AUTO 295	Special Topics (Basic Auto Maintenance)	2
OETS 118	Mathematics for Technicians	3
or MATH 1215	Intermediate Algebra	
WELD 130	Introduction to GMAW MIG)	3
<b>Total Credits</b>		<b>61</b>

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 (<http://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 112	Basic Gasoline Engines	5
OETS 118	Mathematics for Technicians	3
or MATH 1215	or Intermediate Algebra	
WELD 130	Introduction to GMAW MIG)	3
	<b>Credits</b>	<b>15</b>

### Spring

AUTO 117	Electronic Analysis and Tune-Up of Gasoline Engines	5
AUTO 120	Electrical Systems	4
AUTO 137	Fuel Systems and Emission Controls	4
PSYC 1110G	Introduction to Psychology	3
or SOCI 1110G	or Introduction to Sociology	
	<b>Credits</b>	<b>16</b>

### Second Year

Fall		Credits
AUTO 119	Manual Transmission/Clutch	5
AUTO 125	Brakes	5
AUTO 126	Suspension, Steering, and Alignment	5
	<b>Credits</b>	<b>15</b>

### Spring

AUTO 132	Automotive Air-Conditioning and Heating Systems	4
or AUTO 127	or Basic Automatic Transmission	
AUTO 295	Special Topics	2
ENGL 2210G	Professional & Technical Communication	3
Area V: Humanities Course <sup>1</sup>		3

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Area VI: Creative and Fine Arts Course <sup>1</sup>	3
<b>Credits</b>	<b>15</b>
<b>Total Credits</b>	<b>61</b>

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