

# AUTOMOTIVE AND HYBRID TECHNOLOGY - ASSOCIATE OF APPLIED SCIENCE

NMSU Alamogordo 2026-2027 Catalog

A grade of C- or better is required in all courses.

## Total Credits Required for Degree: 62

Students must complete all University degree requirements, which include: General Education requirements and elective credits to total at least 62 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.

Prefix	Title	Credits
<b>General Education Requirements</b>		
Select one course from four of the following six content areas for a total of 12-14 credits. <sup>1,2</sup>		12-14
This degree requires courses from Areas I and II; students must select two courses from the remaining areas to complete General Education requirements.		
<b>Area I: Communications</b>		
COMM 1130G	Public Speaking	
	or COMM 1115G Introduction to Communication	
<b>Area II: Mathematics</b>		
MATH 1220G	College Algebra	
	or MATH 1130G Survey of Mathematics	
<b>Area III: Laboratory Science</b>		
<b>Area IV: Social/Behavioral Sciences</b>		
<b>Area V: Humanities</b>		
<b>Area VI: Creative/Fine Arts</b>		
<b>General Education Elective</b>		
Select one course from any General Education area. <sup>2</sup>		3-4
<b>Program Requirements</b>		
AUTO 113	Automotive Electricity and Electronics PT I	4
AUTO 114	Automotive Electricity and Electronics PT II	4
AUTO 115	Automotive Engine Repair	4
AUTO 122	Automotive Brakes	4
AUTO 124	Automotive Heating and Air Conditioning	4
AUTO 129	Automotive Steering and Suspension	4
AUTO 201	Engine Performance I	4
AUTO 203	Engine Performance II	4
AUTO 205	Manual Drive Train and Axles	4
AUTO 206	Automatic Transmissions	5
AUTO 208	Introduction to Alternative Fueled Vehicles	3
	or AUTO 209 Hybrid Vehicle Service Techniques	
OETS 120	Business Fundamentals	3
<b>Total Credits</b>		<b>62</b>

<sup>1</sup> Each course selected must be from a different area and students cannot take multiple courses in the same area.

<sup>2</sup> See the General Education Section (<https://catalogs.nmsu.edu/alamogordo/general-information/general-education-new-mexico-common-core/>) of the catalog for a full list of courses.

<sup>3</sup> MATH 1220G College Algebra or MATH 1130G Survey of Mathematics is required for the degree but students may need to take prerequisites to enter the course.

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## A Suggested Plan of Study - Automotive and Hybrid Technology

Additional classes may be needed based on placement test results and course prerequisites. Visit with an advisor for help with creating a customized plan.

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<b>First Year</b>		
<b>Fall</b>		<b>Credits</b>
AUTO 113	Automotive Electricity and Electronics PT I	4
AUTO 115	Automotive Engine Repair	4
AUTO 122	Automotive Brakes	4
MATH 1220G	College Algebra	3
	or MATH 1130G Survey of Mathematics	
<b>Credits</b>		<b>15</b>
<b>Spring</b>		
AUTO 114	Automotive Electricity and Electronics PT II	4
AUTO 124	Automotive Heating and Air Conditioning	4
AUTO 129	Automotive Steering and Suspension	4
OETS 120	Business Fundamentals	3
<b>Credits</b>		<b>15</b>
<b>Second Year</b>		
<b>Fall</b>		
AUTO 201	Engine Performance I	4
AUTO 205	Manual Drive Train and Axles	4
AUTO 208	Introduction to Alternative Fueled Vehicles	3
	or AUTO 209 Hybrid Vehicle Service Techniques	
Select one course from Area III, IV, V, or VI (an area not already chosen) <sup>1</sup>		3-4
Select one course from any General Education area. <sup>1</sup>		3-4
<b>Credits</b>		<b>17</b>
<b>Spring</b>		
AUTO 203	Engine Performance II	4
AUTO 206	Automatic Transmissions	5
COMM 1130G	Public Speaking	3
	or COMM 1115G Introduction to Communication	
Select one course from Area III, IV, V, or VI (an area not already chosen) <sup>1</sup>		3-4
<b>Credits</b>		<b>15</b>
<b>Total Credits</b>		<b>62</b>

<sup>1</sup> See the General Education Section (<https://catalogs.nmsu.edu/alamogordo/general-information/general-education-new-mexico-common-core/>) of the catalog for a full list of courses.