GENERAL ENGINEERING - ASSOCIATE OF SCIENCE

NMSU Alamogordo 2024-2025 Catalog

A Suggested Plan of Study - General Engineering

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

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

First Year		
Fall		**Credits**
CHEM 1215G	General Chemistry I Lecture and Laboratory for STEM Majors	4
ENGL 1110G	Composition I	4
ENGR 100G	Introduction to Engineering	3
MATH 1511G	Calculus and Analytic Geometry I [1]	4
	Credits	**15**
Spring		
CHEM 1225G or GEOL 1110G	General Chemistry II Lecture and Laboratory for STEM Majors or Physical Geology	4
DRFT 109	Computer Drafting Fundamentals	3
ENGR 111	Mathematics for Engineering Applications	3
MATH 1521G	Calculus and Analytic Geometry II	4
Select one course from Area IV: Social/Behavioral Sciences [2]		3
	Credits	**17**
Second Year		
Fall		
ECON 2110G	Macroeconomic Principles	3
ENGL 2210G	Professional and Technical Communication Honors	3
PHYS 1310G & PHYS 1310L	Calculus -Based Physics I and Calculus -Based Physics I Lab	4
Select one course from Area V: Humanities [2]		3
Select one (not already chosen) from the following:		3-4
C E 233	Mechanics-Statics	
CHEM 1225G	General Chemistry II Lecture and Laboratory for STEM Majors	
GEOL 1110G	Physical Geology	
MATH 2530G	Calculus III	
PHYS 1320G & PHYS 1320L	Calculus -Based Physics II and Calculus -Based Physics II Lab	
	Credits	**16**
Spring		
COMM 1115G	Introduction to Communication	3
Select one course from Area VI: Creative/Fine Arts [2]		3
Elective Course [3]		3
Select one (not already chosen) from the following:		3-4
C E 233	Mechanics-Statics	
CHEM 1225G	General Chemistry II Lecture and Laboratory for STEM Majors	
GEOL 1110G	Physical Geology	
MATH 2530G	Calculus III	
PHYS 1320G & PHYS 1320L	Calculus -Based Physics II and Calculus -Based Physics II Lab	
	Credits	**12**
	Total Credits	**60**

1. MATH 1511G Calculus and Analytic Geometry I is required for the degree but students may need to take prerequisites to enter the course.
2. 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.
3. Elective credit may vary based on prerequisites, dual credit, AP credit, and/or certificate coursework. The amount indicated in the requirements list is the amount needed to bring the total to 60 credits and may appear in variable form based on the degree. However students may end up needing to complete more or less on a case-by-case basis and students should discuss elective requirements with their advisor.