

# GENERAL ENGINEERING - ASSOCIATE OF SCIENCE

<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.

NMSU Alamogordo 2026-2027 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 190	Introduction to Engineering Mathematics	4
MATH 1511G	Calculus and Analytic Geometry I <sup>1</sup>	4
<b>Credits</b>		<b>16</b>

### Spring

CHEM 1225G	General Chemistry II Lecture and Laboratory for STEM Majors	4
ECON 2110G	Macroeconomic Principles	3
ENGR 110	Introduction to Engineering Design	3
MATH 1521G	Calculus and Analytic Geometry II	4
<b>Credits</b>		<b>14</b>

### Second Year

Fall		Credits
COMM 1115G	Introduction to Communication	3
CSCI 1720	Computer Science I	4
ENGL 2210G	Professional and Technical Communication	3
PHYS 1310G & PHYS 1310L	Calculus -Based Physics I and Calculus -Based Physics I Lab	4
Select one course from Area VI: Creative/Fine Arts <sup>2</sup>		3
<b>Credits</b>		<b>17</b>

### Spring

MATH 2530G	Calculus III	3
PHYS 1320G & PHYS 1320L	Calculus -Based Physics II and Calculus -Based Physics II Lab	4
Select one course from Area V: Humanities <sup>2</sup>		3
Select 4 credits from the following:		4
CSCI 2210	Object-Oriented Programming	
CSCI 2220	Introduction to Data Structures and Algorithms	
CSCI 2310	Discrete Mathematics for Computer Science	
GEOL 1110G	Physical Geology	
CHME 101 & CHME 102	Introduction to Chemical Engineering Calculations and Material Balances	
<b>Credits</b>		<b>14</b>
<b>Total Credits</b>		<b>61</b>

<sup>1</sup> MATH 1511G Calculus and Analytic Geometry I is required for the degree but students may need to take prerequisites to enter the course.