

GENERAL ENGINEERING - ASSOCIATE OF SCIENCE

Doña Ana Community College 2026-2027 Catalog

(60 credits)

NOTE: Students must earn a final grade of C- or better in all required Technical Requirements and achieve a cumulative grade-point average of at least 2.0. A grade of C- or better is required in ENGL 1110G Composition I and designated Mathematics courses.

Students must complete all University degree requirements, which include: General Education requirements and elective credits to total at least 60 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
General Education		
<i>Area I: Communications</i>		
<i>English Composition - Level 1</i> ³		
ENGL 1110G	Composition I	4
<i>English Composition - Level 2</i>		
ENGL 2210G	Professional and Technical Communication	3
<i>Oral Communication</i>		
COMM 1115G or COMM 1130G	Introduction to Communication Public Speaking	3
<i>Area II: Mathematics</i>		
MATH 1511G	Calculus and Analytic Geometry I	4
<i>Area III/IV: Laboratory Sciences and Social/Behavioral Sciences</i> 11		
ECON 2110G	Macroeconomic Principles	
Select 8 credits from the following: ¹		
CHEM 1215G	General Chemistry I Lecture and Laboratory for STEM Majors	
CHEM 1225G	General Chemistry II Lecture and Laboratory for STEM Majors	
GEOL 1110G	Physical Geology	
PHYS 1310G & PHYS 1310L	Calculus -Based Physics I and Calculus -Based Physics I Lab	
PHYS 1320G & PHYS 1320L	Calculus -Based Physics II and Calculus -Based Physics II Lab	
Other approved lab-science course(s)		
<i>Area V: Humanities</i> ²		3
<i>Area VI: Creative and Fine Arts</i> ²		3
<i>General Education Elective</i>		
MATH 1521G	Calculus and Analytic Geometry II	4
Core Requirements		
<i>Engineering and Related Courses</i>		
ENGR 100G	Introduction to Engineering	3
ENGR 110	Introduction to Engineering Design	3
Select at least 6 credits from the following: 6		
C E 151	Introduction to Civil Engineering	
C E 233	Mechanics-Statics	
CHME 201	Energy Balances & Basic Thermodynamics	
MATH 2530G	Calculus III	
Or any ENGR courses		
Major Requirements		

Select an additional 8 credits from the following, the courses selected must be different from the ones used for Area III:¹ 8

CHEM 1215G	General Chemistry I Lecture and Laboratory for STEM Majors	
CHEM 1225G	General Chemistry II Lecture and Laboratory for STEM Majors	
GEOL 1110G	Physical Geology	
PHYS 1310G & PHYS 1310L	Calculus -Based Physics I and Calculus -Based Physics I Lab	
PHYS 1320G & PHYS 1320L	Calculus -Based Physics II and Calculus -Based Physics II Lab	
Other approved lab-science courses(s)		
Electives to bring total credits to 60		5
Total Credits		60

¹ Students must complete at least 16 credits of Laboratory Science coursework for this degree.

² See the General Education (<https://catalogs.nmsu.edu/dona-ana/general-education-and-transfer-options/transfer-new-mexico-institutions/>) section of the catalog for a full list of courses

³ Or, other approved NM General Education Area I courses listed in Level 1 in the current DACC/NMSU catalog.