GENERAL ENGINEERING - ASSOCIATE OF SCIENCE

Doña Ana Community College 2025-2026 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		
Area I: Communications		
English Composition - Level 1 [3]		
ENGL 1110G	Composition I	4
English Composition - Level 2		
ENGL 2210G	Professional and Technical Communication Honors	3
Oral Communication		
COMM 1115G	Introduction to Communication	3
or COMM 1130G	Public Speaking	
Area II: Mathematics		
MATH 1511G	Calculus and Analytic Geometry I	4
Area III/IV: Laboratory Sciences and Social/Behavioral Sciences		*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)		
Area V: Humanities [2]		*3*
Area VI: Creative and Fine Arts [2]		*3*
General Education Elective		
MATH 1521G	Calculus and Analytic Geometry II	4
Core Requirements		
Engineering and Related Courses		
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.