## GENERAL ENGINEERING -ASSOCIATE OF SCIENCE

## (60 credits)

## A Suggested Plan of Study

The contents of this roadmap may vary depending on initial student placement in mathematics and English. This is only a suggested plan of study for students, and is not intended as a contract. Individual student academic plans may vary. Please contact your academic advisor to create a plan that works for you. Course availability may vary from fall to spring semester and may be subject to modification or change.

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.

Semester 1		Credits
Area I: Communication	ns - English Composition Level I	4
ENGL 1110G	Composition I	
Area II: Mathematics		4
MATH 1511G	Calculus and Analytic Geometry I	
Area III: Laboratory Sc 16 credits from differe	iences - Choose one from the following (total of ent prefixes/areas):	4
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	
Or other approved A NMSU/DACC Catal	Area III NM General Education course in the og.	
ENGR 100G		
LIGHTIOUG	Introduction to Engineering	3
	Introduction to Engineering Credits	3 15
Semester 2	5 5	
Semester 2	Credits	
Semester 2 Area III: Laboratory Sc	Credits	15
Semester 2 Area III: Laboratory Sc 16 credits from differe	Credits elences - Choose one from the following (total of ent prefixes/areas): General Chemistry I Lecture and Laboratory for	15
Semester 2 Area III: Laboratory Sc 16 credits from differe CHEM 1215G	Credits Elences - Choose one from the following (total of ent prefixes/areas): General Chemistry I Lecture and Laboratory for STEM Majors General Chemistry II Lecture and Laboratory	15
Semester 2 Area III: Laboratory Sc 16 credits from differe CHEM 1215G CHEM 1225G	Credits itences - Choose one from the following (total of ent prefixes/areas): General Chemistry I Lecture and Laboratory for STEM Majors General Chemistry II Lecture and Laboratory for STEM Majors	15
Semester 2 Area III: Laboratory Sc 16 credits from differe CHEM 1215G CHEM 1225G GEOL 1110G PHYS 1310G	Credits ciences - Choose one from the following (total of ent prefixes/areas): General Chemistry I Lecture and Laboratory for STEM Majors General Chemistry II Lecture and Laboratory for STEM Majors Physical Geology Calculus -Based Physics I	15
Semester 2 Area III: Laboratory Sc 16 credits from differe CHEM 1215G CHEM 1225G GEOL 1110G PHYS 1310G & PHYS 1310L PHYS 1320G & PHYS 1320L	Credits ciences - Choose one from the following (total of ent prefixes/areas): General Chemistry I Lecture and Laboratory for STEM Majors General Chemistry II Lecture and Laboratory for STEM Majors Physical Geology Calculus -Based Physics I and Calculus -Based Physics I Lab Calculus -Based Physics II and Calculus -Based Physics II Lab Area III NM General Education course in the	15
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MATH 1521G	Calculus and Analytic Geometry II	
ENGR 110	Introduction to Engineering Design	
	Credits	1
Semester 3	oreans	
	ons - English Composition Level 2	
ENGL 2210G	Professional and Technical Communication	
2100 22100	Honors	
Area I: Communicatio	ons - Oral Communications	
COMM 1115G or COMM 1130	Introduction to Communication OG or Public Speaking	
	ciences - Choose one from the following (total of	
16 credits from diffe	rent prefixes/areas):	
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	Calculus -Based Physics I	
& PHYS 1310L	and Calculus -Based Physics I Lab	
PHYS 1320G & PHYS 1320L	Calculus -Based Physics II and Calculus -Based Physics II Lab	
Or other approved NMSU/DACC Cata	Area III NM General Education course in the	
	5	
C E 151	Interduction to Civil Engineering	
C E 233	Introduction to Civil Engineering	
	Mechanics-Statics	
CHME 201	Energy Balances & Basic Thermodynamics	
MATH 2530G	Calculus III	
MATH 2530G Or any ENGR cou	Calculus III	
MATH 2530G Or any ENGR cou	Calculus III rse	
MATH 2530G Or any ENGR cour Approved Elective	Calculus III	1
MATH 2530G Or any ENGR cour Approved Elective Semester 4	Calculus III rse Credits	1
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<sup>1</sup> See the General Education (https://catalogs.nmsu.edu/donaana/general-education-and-transfer-options/transfer-new-mexicoinstitutions/) section of the catalog for a full list of courses