SCIENCE (CHEMISTRY) - ASSOCIATE OF SCIENCE

Overview

The Associate of Science degree allows students to complete many of the general education requirements for a bachelor's degree while still at the community college. Students should take electives that apply toward the requirements of their chosen bachelor's degree. The science electives may be taken at DACC or NMSU. *Students who wish to transfer to NMSU and major in Chemistry should consider selecting the Chemistry Concentration and follow the related Roadmap, in consultation with their advisor.*

Doña Ana Community College 2025-2026 Catalog

(60 Credits)

Students must complete all University degree requirements, which include: General Education requirements and elective credits to total at least 60 credits with a minimum cumulative grade-point average of at least 2.0. 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. A minimum of 15 of the total degree credits for the Associate's degree must be completed at DACC, or any other NMSU campus. The New Mexico General Education Requirements can be found in the section titled, "Transfer Among New Mexico Institutions of Higher Education".

Prefix	Title	Credits
General Education		
Area I: Communications		
ENGL 1110G	Composition I	4
ENGL 2210G	Professional and Technical Communication Honors	3
or ENGL 2221G	Writing in the Humanities and Social Science	
COMM 1130G	Public Speaking	3
or COMM 1115G	Introduction to Communication	
Area II: Mathematics		
MATH 1220G	College Algebra	3
Area III/IV: Laboratory Sciences and Social/Behavioral Sciences [1]		
Area III: Laboratory Sciences		
CHEM 1215G	General Chemistry I Lecture and Laboratory for STEM Majors	4
CHEM 1225G	General Chemistry II Lecture and Laboratory for STEM Majors	4
Area IV: Social/Behavioral Sciences [1]		*3*
Area V: Humanities [1]		*3*
Area VI: Creative and Fine Arts [1]		*3*
General Education Elective [1]		*3-4*
Concentration Requirements		
MATH 1250G	Trigonometry & Pre-Calculus	4
MATH 1511G	Calculus and Analytic Geometry I	4
MATH 1521G	Calculus and Analytic Geometry II	4
Recommended STEM-H Electives		**15**
Select courses from the following for a total of 15 credits based on BS or BA program in consultation with advisor		
CHEM 2115	Survey of Organic Chemistry and Laboratory [3]	
MATH 2530G	Calculus III	
PHYS 1230G & PHYS 1230L	Algebra-Based Physics I and Algebra-Based Physics I Lab [2]	
PHYS 1240G & PHYS 1240L	Algebra-Based Physics II and Algebra-Based Physics II Lab [2]	
PHYS 2110 & 2110L	Mechanics and Experimental Mechanics	
PHYS 2140 & 2140L	Electricity and Magnetism and Electricity & Magnetism Laboratory	
Total Credits		**60-61**

1. 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
2. Not Applicable to the BS in Chemistry at NMSU-MA
3. Not Applicable to BS or BA in Chemistry at NMSU-MA

(60-61 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.

Students must complete at least 60 credits with a minimum cumulative grade-point average of 2.0. A minimum of 15 of the total degree credits for the associate's degree must be completed at DACC, or any other NMSU campus. The New Mexico General Education Requirements can be found in the section titled, "Transfer Among New Mexico Institutions of Higher Education".

NOTE: Not all General Education ('G') courses listed below are taught at DACC. Please check DACC's current schedule for actual course offerings.

A grade of C- or better is required in ENGL 1110G Composition I and designated Mathematics courses.

First Year		
Semester 1		**Credits**
ENGL 1110G	Composition I	4
MATH 1220G	College Algebra	3
CHEM 1215G	General Chemistry I Lecture and Laboratory for STEM Majors	4
Social/Behavioral Sciences [1]		3
Humanities [1]		3
	Credits	**17**
Semester 2		
ENGL 2210G	Professional and Technical Communication Honors	3
CHEM 1225G	General Chemistry II Lecture and Laboratory for STEM Majors	4
MATH 1250G	Trigonometry & Pre-Calculus	4
Recommended STEM-H Electives & Electives [2]		4
	Credits	**15**
Second Year		
Semester 1		
MATH 1511G	Calculus and Analytic Geometry I	4

COMM 1130G or COMM 1115G	Public Speaking or Introduction to Communication	3
Recommended STEM-H Electives & Electives [2]		4
Creative & Fine Arts [1]		3
	Credits	**14**
Semester 2		
CHEM 2115	Survey of Organic Chemistry and Laboratory [3]	4
Recommended STEM-H Electives and Electives [2]		7
General Education Elective [1]		3-4
	Credits	**14-15**
	Total Credits	**60-61**

1 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

2 Recommended STEM-H Electives and Electives:
MATH 1521G Calculus and Analytic Geometry II
MATH 2530G Calculus III
PHYS 1230G Algebra-Based Physics I
& PHYS 1230L Algebra-Based Physics I Lab
PHYS 1240G Algebra-Based Physics II
& PHYS 1240L Algebra-Based Physics II Lab
PHYS 2110 Mechanics
& PHYS 2110L Experimental Mechanics
PHYS 2140 Electricity and Magnetism
& PHYS 2140L Electricity and Magnetism Lab

3 Not applicable to BA or BS in Chemistry at NMSU-MA