

# SCIENCE (BIOLOGY) - ASSOCIATE OF SCIENCE

## Dona Ana Community College 2024-2025 Catalog

### Associate of Science (Biology) Degree

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 Biology, Chemistry, Computer Science, or Mathematics, should consider selecting the appropriate Concentration and follow the related Roadmap, in consultation with their advisor.*

## Doña Ana Community College 2024-2025 Catalog

### Associate of Science (Biology) Degree

(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
<b>General Education</b>		
<i>Area I: Communications</i>		
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	
<i>Area II: Mathematics</i>		
MATH 1220G	College Algebra	3
or MATH 1250G	Trigonometry & Pre-Calculus	
<i>Area III/IV: Laboratory Sciences and Social/Behavioral Sciences<sup>1</sup></i>		
<i>Area III: Laboratory Sciences</i>		
CHEM 1215G	General Chemistry I Lecture and Laboratory for STEM Majors	4
PHYS 1230G & PHYS 1230L	Algebra-Based Physics I and Algebra-Based Physics I Lab	4
<i>Area IV: Social/Behavioral Sciences<sup>1</sup></i>		
<i>Area V: Humanities<sup>1</sup></i>		
<i>Area VI: Creative and Fine Arts<sup>1</sup></i>		
<i>General Education Elective<sup>1</sup></i>		3-4
<b>Concentration Requirements</b>		

BIOL 2110G & BIOL 2110L	Principles of Biology: Cellular and Molecular Biology and Principles of Biology: Cellular and Molecular Biology Laboratory	4
BIOL 2610G & BIOL 2610L	Principles of Biology: Biodiversity, Ecology, and Evolution and Principles of Biology: Biodiversity, Ecology, and Evolution Laboratory	4
CHEM 1225G	General Chemistry II Lecture and Laboratory for STEM Majors	4
or BIOL 1130G	Introductory Anatomy & Physiology (non-majors)	
<b>Recommended STEM-H Electives</b>		<b>16</b>
CHEM 2115	Survey of Organic Chemistry and Laboratory	
MATH 1250G	Trigonometry & Pre-Calculus	
MATH 1511G	Calculus and Analytic Geometry I	
PHYS 1240G & PHYS 1240L	Algebra-Based Physics II and Algebra-Based Physics II Lab	
<b>Total Credits</b>		<b>61-62</b>

<sup>1</sup> 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

### (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.

<b>First Year</b>		<b>Credits</b>
<b>Semester 1</b>		
ENGL 1110G	Composition I	4
MATH 1220G or MATH 1250G	College Algebra or Trigonometry & Pre-Calculus	3
BIOL 2610G & BIOL 2610L	Principles of Biology: Biodiversity, Ecology, and Evolution and Principles of Biology: Biodiversity, Ecology, and Evolution Laboratory	4
CHEM 1215G	General Chemistry I Lecture and Laboratory for STEM Majors	4
<b>Credits</b>		<b>15</b>
<b>Semester 2</b>		
ENGL 2210G	Professional and Technical Communication Honors	3

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BIOL 2110G & BIOL 2110L	Principles of Biology: Cellular and Molecular Biology and Principles of Biology: Cellular and Molecular Biology Laboratory	4
CHEM 1225G or BIOL 1130G	General Chemistry II Lecture and Laboratory for STEM Majors or Introductory Anatomy & Physiology (non- majors)	4
Recommended STEM-H Electives & Electives <sup>2</sup>		4
<b>Credits</b>		<b>15</b>
<b>Second Year</b>		
<b>Semester 1</b>		
COMM 1130G or COMM 1115G	Public Speaking or Introduction to Communication	3
PHYS 1230G	Algebra-Based Physics I	3
Humanities <sup>1</sup>		3
Recommended STEM-H Electives and Electives <sup>2</sup>		7-8
<b>Credits</b>		<b>16-17</b>
<b>Semester 2</b>		
Social/Behavioral Science <sup>1</sup>		3
Recommended STEM-H Electives and Electives <sup>2</sup>		4
Creative & Fine Arts <sup>1</sup>		3
General Education Elective <sup>1</sup>		4
<b>Credits</b>		<b>14</b>
<b>Total Credits</b>		<b>60-61</b>

<sup>1</sup> 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

<sup>2</sup> Recommended STEM-H Electives and Electives:  
CHEM 2115 Survey of Organic Chemistry and Laboratory  
MATH 1250G Trigonometry & Pre-Calculus  
MATH 1511G Calculus and Analytic Geometry I  
PHYS 1240G Algebra-Based Physics II  
& PHYS 1240L Algebra-Based Physics II Lab

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**Website:** <https://dacc.nmsu.edu/academics/programs/associate-of-science/index.html> (<https://dacc.nmsu.edu/academics/programs/associate-of-science/>)