

# EDUCATION (SECONDARY SCIENCE) - ASSOCIATE IN EDUCATION

## NMSU Alamogordo 2025-2026 Catalog

Note: Any education course more than seven years old taken at NMSU or at another institution will not be counted toward the student's undergraduate program. A student may ask for a review of this time limit by the appropriate department. The department head and/or faculty may recommend accepting a course that is seven years old with approval from the Dean's office. Any course not approved must be repeated by the student.

**Students must have a 2.5 GPA to graduate from this program. However, a 2.75 GPA is required for acceptance into the Teacher Education Program at NMSU. A grade of C- or better is required in the following TEP prerequisites (<https://catalogs.nmsu.edu/alamogordo/degrees-certificates/education/>).**

## Total Credits Required for Secondary Science Concentration: 61

Students must complete all University degree requirements, which include: General Education requirements and elective credits to total at least 61 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
<b>General Education Requirements</b>		
Courses specified in the General Education areas below are Program required courses that will also fulfill General Education requirements.		
<i>Area I: Communication</i>		
<i>English Composition - Level 1</i>		
ENGL 1110G	Composition I <sup>1</sup>	4
<i>English Composition - Level 2</i>		
ENGL 2221G	Writing in the Humanities and Social Science <sup>1</sup>	3
<i>Oral Communication</i>		
COMM 1115G	Introduction to Communication	3
or COMM 1130G	Public Speaking	
<i>Area II: Mathematics</i>		
MATH 1220G	College Algebra <sup>1,2</sup>	3-4
or MATH 1250G	Trigonometry & Pre-Calculus	
<i>Areas III/IV: Laboratory Science and Social/Behavioral Sciences</i>		
BIOL 2610G & BIOL 2610L	Principles of Biology: Biodiversity, Ecology, and Evolution and Principles of Biology: Biodiversity, Ecology, and Evolution Laboratory	4
CEPY 1120G	Human Growth and Behavior	3
GEOG 1120G	World Regional Geography	3
or GEOG 1130G	Human Geography	
<i>Area V: Humanities</i>		
Select one from the following: 3		
HIST 1110G	United States History I	
HIST 1120G	United States History II	
HIST 1130G	World History I	
HIST 1140G	World History II	

HIST 1150G	Western Civilization I	
HIST 1160G	Western Civilization II	
<i>Area VI: Creative/Fine Arts</i>		
Select one from the following: 3		
ARTH 1115G	Orientation in Art	
ARTS 1145G	Visual Concepts	
ARTH 2110G	History of Art I	
ARTH 2120G	History of Art II	
MUSC 1130G	Music Appreciation: Western Music	
THEA 1110G	Introduction to Theatre	
<i>General Education Elective</i>		
Select one course (not CEPY or GEOG) from Area IV: Social/Behavioral Sciences <sup>3</sup> 3		
<b>Program Requirements</b>		
BIOL 2110G & BIOL 2110L	Principles of Biology: Cellular and Molecular Biology and Principles of Biology: Cellular and Molecular Biology Laboratory	4
CHEM 1215G	General Chemistry I Lecture and Laboratory for STEM Majors	4
CHEM 1225G	General Chemistry II Lecture and Laboratory for STEM Majors	4
EDLT 2110	Integrating Technology with Teaching <sup>1</sup>	3
EDUC 1185	Introduction to Secondary Education and Youth <sup>1</sup>	3
MATH 1430G or MATH 1511G	Applications of Calculus I <sup>4</sup> or Calculus and Analytic Geometry I	3
Select one from the following: 4		
PHYS 1230G & PHYS 1230L	Algebra-Based Physics I and Algebra-Based Physics I Lab	
PHYS 1310G & PHYS 1310L	Calculus -Based Physics I and Calculus -Based Physics I Lab	
Select one from the following: 4		
PHYS 1240G & PHYS 1240L	Algebra-Based Physics II and Algebra-Based Physics II Lab	
PHYS 1320G & PHYS 1320L	Calculus -Based Physics II and Calculus -Based Physics II Lab	
<b>Total Credits</b>		<b>61</b>

<sup>1</sup> Pre/co-requisites for Teacher Education Program (TEP). A grade of C- or better is required for course.

<sup>2</sup> MATH 1220G College Algebra or MATH 1250G Trigonometry & Pre-Calculus is required for the degree but students may need to take prerequisites to enter the course.

<sup>3</sup> See the General Education Section (<https://catalogs.nmsu.edu/alamogordo/general-information/general-education-new-mexico-common-core/>) of the catalog for a full list of courses.

<sup>4</sup> MATH 1521G Calculus and Analytic Geometry II or MATH 2530G Calculus III are acceptable substitutes.

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## A Suggested Plan of Study - Education, Secondary Science Concentration

Additional classes may be needed based on placement test results and course prerequisites. Visit with an advisor for help with creating a customized plan.

**First Year**

<b>Fall</b>		<b>Credits</b>
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
ENGL 1110G	Composition I	4
MATH 1220G or MATH 1250G	College Algebra <sup>1</sup> or Trigonometry & Pre-Calculus	3-4
<b>Credits</b>		<b>15</b>

**Spring**

BIOL 2110G & BIOL 2110L	Principles of Biology: Cellular and Molecular Biology and Principles of Biology: Cellular and Molecular Biology Laboratory	4
COMM 1130G or COMM 1115G	Public Speaking or Introduction to Communication	3
EDUC 1185	Introduction to Secondary Education and Youth	3
ENGL 2221G	Writing in the Humanities and Social Science	3
MATH 1430G or MATH 1511G	Applications of Calculus I or Calculus and Analytic Geometry I	3-4
<b>Credits</b>		<b>16</b>

**Second Year**

<b>Fall</b>		
CEPY 1120G	Human Growth and Behavior	3
CHEM 1225G	General Chemistry II Lecture and Laboratory for STEM Majors	4
Select one from the following:		3
ARTH 1115G	Orientation in Art	
ARTS 1145G	Visual Concepts	
ARTH 2110G	History of Art I	
ARTH 2120G	History of Art II	
MUSC 1130G	Music Appreciation: Western Music	
THEA 1110G	Introduction to Theatre	
Select one of the following:		4
PHYS 1230G & PHYS 1230L	Algebra-Based Physics I and Algebra-Based Physics I Lab	
PHYS 1310G & PHYS 1310L	Calculus -Based Physics I and Calculus -Based Physics I Lab	
Select one from the following:		3
HIST 1110G	United States History I	
HIST 1120G	United States History II	
HIST 1130G	World History I	
HIST 1140G	World History II	
HIST 1150G	Western Civilization I	
HIST 1160G	Western Civilization II	
<b>Credits</b>		<b>17</b>

**Spring**

EDLT 2110	Integrating Technology with Teaching	3
GEOG 1120G or GEOG 1130G	World Regional Geography or Human Geography	3
Select one course (not CEPY or GEOG) from Area IV: Social/Behavioral Sciences <sup>2</sup>		3
Select one from the following:		4
PHYS 1240G & PHYS 1240L	Algebra-Based Physics II and Algebra-Based Physics II Lab	

PHYS 1320G & PHYS 1320L	Calculus -Based Physics II and Calculus -Based Physics II Lab	
<b>Credits</b>		<b>13</b>
<b>Total Credits</b>		<b>61</b>

<sup>1</sup> MATH 1220G College Algebra or MATH 1250G Trigonometry & Pre-Calculus is required for the degree but students may need to take prerequisites to enter the course.

<sup>2</sup> See the General Education Section (<https://catalogs.nmsu.edu/alamogordo/general-information/general-education-new-mexico-common-core/>) of the catalog for a full list of courses.