

EDUCATION (SECONDARY SCIENCE) - ASSOCIATE IN EDUCATION

NMSU Alamogordo 2026-2027 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
General Education Requirements		
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 ¹	4
<i>English Composition - Level 2</i>		
ENGL 2221G	Writing in the Humanities and Social Science ¹	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 ^{1,2}	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 ³ 3		
Program Requirements		
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 ¹	3
EDUC 1185	Introduction to Secondary Education and Youth ¹	3
MATH 1430G or MATH 1511G	Applications of Calculus I ⁴ 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	
Total Credits		61

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

² 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.

³ 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.

⁴ 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

Fall		Credits
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 ¹ or Trigonometry & Pre-Calculus	3-4
Credits		15

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
Credits		16

Second Year

Fall		
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	
Credits		17

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 ²		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	
Credits		13
Total Credits		61

¹ 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.

² 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.