

EDUCATION (SECONDARY MATH) - ASSOCIATE IN EDUCATION

NMSU Alamogordo 2024-2025 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 Math Concentration: 60

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.

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 1250G	Trigonometry & Pre-Calculus ^{1,2}	4
<i>Areas III/IV: Laboratory Science and Social/Behavioral Sciences</i>		
CEPY 1120G	Human Growth and Behavior	10
Choose one from the following:		
ECON 1110G	Survey of Economics	
ECON 2110G	Macroeconomic Principles	
ECON 2120G	Principles of Microeconomics	
Select one sequence from the following:		
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	
<i>Area V: Humanities</i>		
HIST 1150G	Western Civilization I	3
or HIST 1160G	Western Civilization II	

Area VI: Creative/Fine Arts

Choose one from the following:		3
ARTH 1115G	Orientation in Art	
MUSC 1130G	Music Appreciation: Western Music	
THEA 1110G	Introduction to Theatre	

General Education Elective

HIST 1110G	United States History I	3
or HIST 1120G	United States History II	

Program Requirements

C S 111	Computer Science Principles	4
E T 182	Introduction to Digital Logic	2
EDLT 2110	Integrating Technology with Teaching ¹	3
EDUC 1185	Introduction to Secondary Education and Youth ¹	3
MATH 1511G	Calculus and Analytic Geometry I	4
MATH 1521G	Calculus and Analytic Geometry II	4
MATH 2530G	Calculus III	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	

Total Credits 60

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

² Mathematics courses are required for the degree but students may need to take prerequisites first.

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A Suggested Plan of Study - Education, Secondary Mathematics 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	
CEPY 1120G	Human Growth and Behavior	3
COMM 1130G or COMM 1115G	Public Speaking or Introduction to Communication	3
ENGL 1110G	Composition I	4
MATH 1250G	Trigonometry & Pre-Calculus	4
Choose one from the following:		3
ARTH 1115G	Orientation in Art	
MUSC 1130G	Music Appreciation: Western Music	
THEA 1110G	Introduction to Theatre	

Credits 17

Spring

E T 182	Introduction to Digital Logic	2
ENGL 2221G	Writing in the Humanities and Social Science	3
MATH 1511G	Calculus and Analytic Geometry I	4
HIST 1150G or HIST 1160G	Western Civilization I or Western Civilization II	3
Choose one from the following:		3
ECON 1110G	Survey of Economics	

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ECON 2110G	Macroeconomic Principles	
ECON 2120G	Principles of Microeconomics	
Credits		15
Second Year		
Fall		
C S 111	Computer Science Principles	4
MATH 1521G	Calculus and Analytic Geometry II	4
HIST 1110G	United States History I	3
or HIST 1120G	or United States History II	
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	
Credits		15
Spring		
EDLT 2110	Integrating Technology with Teaching	3
EDUC 1185	Introduction to Secondary Education and Youth	3
MATH 2530G	Calculus III	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		60