

EDUCATION (SECONDARY MATH) - ASSOCIATE IN EDUCATION

Doña Ana Community College 2024-2025 Catalog (60-61 credits)

NOTE: All courses listed may be applied toward a degree at NMSU.

A grade of C- or better is required in ENGL 1110G Composition I and designated Mathematics courses, along the Math Teaching Field courses designated in footnote 3, and the classes designated in footnote 2.

Students must complete all University degree requirements, which include: General Education requirements and elective credits to total at least 60-61 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		
<i>Area I: Communications</i>		
<i>English Composition - Level 1</i>		
ENGL 1110G	Composition I ^{1,2,*}	4
<i>English Composition - Level 2</i>		
ENGL 2221G	Writing in the Humanities and Social Science ^{1,2,*}	3
or ENGL 2130G	Advanced Composition	
or ENGL 2215G	Advanced Technical and Professional Communication	
<i>Oral Communication</i>		
COMM 1115G	Introduction to Communication ¹	3
or COMM 1130G	Public Speaking	
<i>Area II: Mathematics</i>		
MATH 1220G	College Algebra (or higher) ^{1,2,4,*}	3
<i>Area II/IV: Laboratory Science and Social/Behavioral Sciences</i>		
Select one from the following:		
PHYS 1230G & PHYS 1230L	Algebra-Based Physics I and Algebra-Based Physics I Lab ¹	
PHYS 1310G & PHYS 1310L	Calculus -Based Physics I and Calculus -Based Physics I Lab ¹	
Select one from the following:		
PHYS 1240G & PHYS 1240L	Algebra-Based Physics II and Algebra-Based Physics II Lab ¹	
PHYS 1320G & PHYS 1320L	Calculus -Based Physics II and Calculus -Based Physics II Lab ¹	
Select one from the following:		
ECON 1110G	Survey of Economics ¹	
ECON 2110G	Macroeconomic Principles ¹	
ECON 2120G	Principles of Microeconomics ¹	
<i>Area V: Humanities</i>		
HIST 1150G	Western Civilization I ¹	3
or HIST 1160G	Western Civilization II	
<i>Area VI: Creative and Fine Arts</i>		
Select one course from the following:		
ARTH 1115G	Orientation in Art ¹	3

MUSC 1110G	Music Appreciation: Jazz ¹	
MUSC 1130G	Music Appreciation: Western Music ¹	
THEA 1110G	Introduction to Theatre ¹	
<i>General Education elective</i>		
HIST 1110G	United States History I ¹	3
or HIST 1120G	United States History II	
Core Requirements		
MATH 1511G	Calculus and Analytic Geometry I ^{1,2,3,4}	4
MATH 1521G	Calculus and Analytic Geometry II ^{1,2,3}	4
C S 111	Computer Science Principles	4
Select one course from the following:		
ANTH 1115G	Introduction to Anthropology ¹	
ANTH 1140G	Introduction to Cultural Anthropology ¹	
ANTH 1160G	World Archaeology ¹	
GEOG 1120G	World Regional Geography ¹	
GEOG 1130G	Human Geography ¹	
POLS 1110G	Introduction to Political Science ¹	
POLS 1120G	American National Government ¹	
POLS 1130G	Issues in American Politics	
POLS 2120G	International Relations	
SOCI 1110G	Introduction to Sociology ¹	
SOCI 2310G	Contemporary Social Problems ¹	
Major Requirements		
<i>Professional Requirements (9 credits)</i>		
CEPY 1120G	Human Growth and Behavior ^{1,2}	3
EDUC 1185	Introduction to Secondary Education and Youth ^{2,*}	3
EDLT 2110	Integrating Technology with Teaching (This course will count as EDLT 3110 at NMSU, Las Cruces) ^{2,*}	3
Electives, to bring the total credits to 60-61		3-4
MATH 1250G	Trigonometry & Pre-Calculus ()	
OR Elective from Math Teaching Field		
Total Credits		60-61

- ¹ Courses are part of The New Mexico General Education Requirements.
² This course must be completed with a C- or better.
³ These courses count toward the Math teaching field.
⁴ MATH 1220G College Algebra or higher and MATH 1511G Calculus and Analytic Geometry I are required for this degree, but students may need to complete prerequisite(s) prior to enrolling in these courses.
* Courses with an (#) are pre/co-requisites for Teacher Education Program (TEP).

(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.

A grade of C- or better is required in ENGL 1110G Composition I and designated Mathematics courses, along the Math Teaching Field courses designated in footnote 3, and the classes designated in footnote 2 on the Required page.

2 Education (Secondary Math) - Associate in Education

Students must complete all University degree requirements, which include: General Education requirements and elective credits to total at least 60-61 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.

Semester 1		Credits
Area I: Communications - English Composition Level 1		4
ENGL 1110G	Composition I	
Area V: Humanities		3
HIST 1150G or HIST 1160G	Western Civilization I or Western Civilization II	
AREA II: Mathematics		
MATH 1220G	College Algebra (or higher)	3
Area IV: Social/Behavioral Sciences		3
ANTH 1115G	Introduction to Anthropology	
ANTH 1140G	Introduction to Cultural Anthropology	
ANTH 1160G	World Archaeology	
GEOG 1120G	World Regional Geography	
GEOG 1130G	Human Geography	
POLS 1110G	Introduction to Political Science	
POLS 1120G	American National Government	
POLS 1130G	Issues in American Politics	
POLS 2120G	International Relations	
SOCI 1110G	Introduction to Sociology	
SOCI 2310G	Contemporary Social Problems	
Credits		13

Semester 2		Credits
Area I: Communications - English Composition Level 2		3
ENGL 2221G or ENGL 2130G or ENGL 2215G	Writing in the Humanities and Social Science or Advanced Composition or Advanced Technical and Professional Communication	
MATH 1511G	Calculus and Analytic Geometry I	4
Area III: Laboratory Sciences - Choose 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	
Area IV: Social/Behavioral Sciences		3
ECON 1110G or ECON 2110G or ECON 2120G	Survey of Economics or Macroeconomic Principles or Principles of Microeconomics	
Area VI: Creative and Fine Arts - Choose one from the following:		3
ARTH 1115G	Orientation in Art	
MUSC 1110G	Music Appreciation: Jazz	
MUSC 1130G	Music Appreciation: Western Music	
THEA 1110G	Introduction to Theatre	
Credits		17

Semester 3		Credits
Area I: Communications - Oral Communications		3
COMM 1115G or COMM 1130G	Introduction to Communication or Public Speaking	
MATH 1521G	Calculus and Analytic Geometry II	4
Area III: Laboratory Sciences - Choose 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	

CEPY 1120G	Human Growth and Behavior	3
Credits		14
Semester 4		
Area V: Humanities		3
HIST 1110G or HIST 1120G	United States History I or United States History II	
EDLT 2110	Integrating Technology with Teaching	3
C S 111	Computer Science Principles	4
EDUC 1185	Introduction to Secondary Education and Youth	3
Elective from Math Teaching Field		3-4
MATH 1250G	Trigonometry & Pre-Calculus	
OR Elective from Teaching Field to bring credits to 60-61		
Credits		16-17
Total Credits		60-61