

EDUCATION (SECONDARY SCIENCE) - ASSOCIATE IN EDUCATION

Doña Ana Community College 2022-2023 Catalog (60-62 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 with the Science 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 60-62 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 |
| <i>Oral Communication</i> | | |
| COMM 1115G or COMM 1130G | Introduction to Communication ¹ Public Speaking | 3 |
| <i>Area II: Mathematics</i> | | |
| Choose one course from the following: | | 3-4 |
| MATH 1220G | College Algebra ^{1,2,*,**} | |
| MATH 1250G | Trigonometry & Pre-Calculus ^{1,2,**} | |
| <i>Area III/IV: Laboratory Sciences and Social/Behavioral Sciences</i> | | |
| GEOG 1120G or GEOG 1130G | World Regional Geography ¹ Human Geography | 10 |
| Choose one course from the following: (for more options see Area IV in the Transfer Options section of the catalog): | | |
| ANTH 1137G | Human Ancestors | |
| ANTH 1140G | Introduction to Cultural Anthropology | |
| ANTH 1115G | Introduction to Anthropology | |
| SOCI 1110G | Introduction to Sociology | |
| SOCI 2310G | Contemporary Social Problems | |
| Select one Area III "G" courses (4 credits) | | |
| BIOL 2110G & BIOL 2110L | Principles of Biology: Cellular and Molecular Biology and Principles of Biology: Cellular and Molecular Biology Laboratory | |
| BIOL 2610G & BIOL 2610L | Principles of Biology: Biodiversity, Ecology, and Evolution and Principles of Biology: Biodiversity, Ecology, and Evolution Laboratory ^{1,2,3} | |
| CHEM 1215G | General Chemistry I Lecture and Laboratory for STEM Majors ^{1,2,3} | |

| | | |
|--|---|--------------|
| or CHEM 1225G | General Chemistry II Lecture and Laboratory for STEM Majors | |
| PHYS 1230G & PHYS 1230L | Algebra-Based Physics I and Algebra-Based Physics I Lab ^{1,2,3} | |
| PHYS 1240G & PHYS 1240L | Algebra-Based Physics II and Algebra-Based Physics II Lab ^{1,2,3} | |
| PHYS 1310G & PHYS 1310L | Calculus -Based Physics I and Calculus -Based Physics I Lab ^{1,2,3} | |
| PHYS 1320G & PHYS 1320L | Calculus -Based Physics II and Calculus -Based Physics II Lab ^{1,2,3} | |
| PHYS 2230G & PHYS 2230L | General Physics for Life Science I and Laboratory to General Physics for Life Science I ^{1,2,3} | |
| PHYS 2240G & PHYS 2240L | General Physics for Life Science II and Laboratory to General Physics for Life Science II ^{1,2,3} | |
| <i>Area V: Humanities</i> | | |
| Choose one from the following: | | 3 |
| HIST 1120G | United States History II ¹ | |
| HIST 1110G | United States History I ¹ | |
| HIST 1130G | World History I ¹ | |
| HIST 1140G | World History II ¹ | |
| HIST 1150G | Western Civilization I ¹ | |
| HIST 1160G | Western Civilization II ¹ | |
| <i>Area VI: Creative and Fine Arts</i> | | |
| Choose one course AREA VI in the undergraduate catalog. ARTS/ARTH/DANC/MUSC/THEA ("G" courses) | | 3 |
| <i>General Education Elective</i> | | |
| Choose one course from the following: | | 3-4 |
| MATH 1430G | Applications of Calculus I (1, 2, **) | |
| MATH 1511G | Calculus and Analytic Geometry I ^{1,2,**} | |
| Core Requirements | | |
| Choose two additional Area V/VI: Humanities or Creative & Fine Arts courses in different departments (ARTS/ARTH, DANC, ENGL, HIST, MUSC, PHIL, THEA) | | 6 |
| MATH 1215 | Intermediate Algebra ² | 3 |
| Major Requirements | | |
| <i>Professional Requirements (18 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 counts as EDLT 3110 at NMSU, Las Cruces) ^{2,*} | 3 |
| Electives, to bring the total credits to 60-62 | | 10 |
| Three Electives from Teaching Field (Science) | | |
| Total Credits | | 60-62 |

1

Courses are part of The New Mexico General Education Requirements.

2

This course must be completed with a C- or better.

3

This course counts toward the Science teaching field.

*

Courses with an (#) are pre/co-requisites for Teacher Education Program (TEP).

**

The best time to take the Praxis Core Academic Skills for Educators (Core) is shortly after you have completed your English and Math courses.

(60-62 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 with the Science 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 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 - Choose 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 | |
| MATH 1215 Intermediate Algebra | 3 |
| Area IV: social/Behavioral Sciences - Choose one from the following: | 3 |
| ANTH 1115G Introduction to Anthropology | |
| ANTH 1137G Human Ancestors | |
| ANTH 1140G Introduction to Cultural Anthropology | |
| SOCI 1110G Introduction to Sociology | |
| SOCI 2310G Contemporary Social Problems | |
| Credits | 13 |
| Semester 2 | |
| Area I: Communications - English Composition Level 2 | 3 |
| ENGL 2221G Writing in the Humanities and Social Science | |
| Area II: Mathematics | 3-4 |
| MATH 1220G College Algebra or MATH 1250G or Trigonometry & Pre-Calculus | |
| Area III: Laboratory Sciences - Choose one from the following (total of 8 credits from different prefixes/areas): | 4 |
| BIOL 2610G Principles of Biology: Biodiversity, Ecology, and Evolution & BIOL 2610L and Principles of Biology: Biodiversity, Ecology, and Evolution Laboratory | |
| BIOL 2110G Principles of Biology: Cellular and Molecular Biology & BIOL 2110L and Principles of Biology: Cellular and Molecular Biology Laboratory | |

| | | |
|--|---|--------------|
| CHEM 1215G | General Chemistry I Lecture and Laboratory for STEM Majors | |
| CHEM 1225G | General Chemistry II Lecture and Laboratory for STEM Majors | |
| PHYS 1230G & PHYS 1230L | Algebra-Based Physics I and Algebra-Based Physics I Lab | |
| PHYS 1240G & PHYS 1240L | Algebra-Based Physics II and Algebra-Based Physics II Lab | |
| PHYS 1310G & PHYS 1310L | Calculus-Based Physics I and Calculus-Based Physics I Lab | |
| PHYS 1320G & PHYS 1320L | Calculus-Based Physics II and Calculus-Based Physics II Lab | |
| PHYS 2230G & PHYS 2230L | General Physics for Life Science I and Laboratory to General Physics for Life Science I | |
| PHYS 2240G & PHYS 2240L | General Physics for Life Science II and Laboratory to General Physics for Life Science II | |
| Area IV: Social/Behavioral Sciences | | 3 |
| GEOG 1120G or GEOG 1130G | World Regional Geography or Human Geography | |
| Area VI: Creative and Fine Arts - Choose one Area VI: Creative and Fine Arts course (ARTH, ARTS, DANC, MUSC, THEA) | | 3 |
| Credits | | 16-17 |
| Semester 3 | | |
| Area I: Communications - Oral Communications | | 3 |
| COMM 1115G or COMM 1130G | Introduction to Communication or Public Speaking | |
| Area V: Humanities OR Area VI: Creative and Fine Arts "G" course - Choose one additional Area V/VI: Humanities/Creative and Fine Arts courses in different departments for a total of 6 credits (ARTH, ARTS, DANC, ENGL, HIST, MUSC, PHIL, THEA) | | 3 |
| General Education Elective - Area II: Mathematics | | 3-4 |
| MATH 1430G or MATH 1511G | Applications of Calculus I or Calculus and Analytic Geometry I | |
| Elective from Teaching Field | | 3 |
| Area IV: Social/Behavioral Sciences | | 3 |
| CEPY 1120G | Human Growth and Behavior | |
| Credits | | 15-16 |
| Semester 4 | | |
| Area V: Humanities OR Area VI: Creative and Fine Arts "G" course - Choose one additional Area V/VI: Humanities/Creative and Fine Arts courses in different departments for a total of 6 credits (ARTH, ARTS, DANC, ENGL, HIST, MUSC, PHIL, THEA) | | 3 |
| EDLT 2110 | Integrating Technology with Teaching | 3 |
| Elective from Teaching Field | | 3 |
| Elective from Teaching Field | | 3 |
| Additional electives if necessary to bring total to 60 credits | | 1 |
| EDUC 1185 | Introduction to Secondary Education and Youth | 3 |
| Credits | | 16 |
| Total Credits | | 60-62 |