ENVIRONMENTAL AND ENERGY TECHNOLOGIES - ASSOCIATE OF APPLIED SCIENCE

Doña Ana Community College 2024-2025 Catalog (67-68 credits)

NOTE: Students must earn a final grade of C- or better in all required TCEN courses/Technical Requirements/Electives and achieve a cumulative grade-point average of at least 2.0. A grade of C- or better is required in ENGL 1110G Composition I and designated Mathematics courses.

Students must complete all University degree requirements, which include: General Education requirements and elective credits to total at least 67-68 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		
Select one course from four of the following six content areas for a total of 12-14 credits [1, 2]		*12-14*
This degree requires courses from Areas I, II, III and IV; students do not need to take additional courses to complete the General Education requirements.		
Area I: Communications		
ENGL 1110G	Composition I [3]	
Area II: Mathematics		
MATH 1220G	College Algebra [3]	
Area III: Laboratory Sciences		
CHEM 1120G	Introduction to Chemistry Lecture and Laboratory (non majors) [3]	
or CHEM 1215G	General Chemistry I Lecture and Laboratory for STEM Majors	
Area IV: Social/Behavioral Sciences		
ECON 1110G	Survey of Economics [3]	
General Education Elective		
ENGL 2210G	Professional and Technical Communication Honors [3]	
COMM 1115G	Introduction to Communication [3]	
or COMM 1130G	Public Speaking	
Core Requirements		
PHYS 1230G & PHYS 1230L	Algebra-Based Physics I and Algebra-Based Physics I Lab [3]	4
Related Requirements		
OETS 102	Career Readiness Certification Preparation	1
Select 3 credits from the following:		3
BCIS 1110	Introduction to Information Systems [3]	
OECS 105	Introduction to Information Technology	
OECS 215	Spreadsheet Applications	
Major Requirements		
Technical Requirements		
BCT 101	Introduction to Construction I	2
BCT 102	Introduction to Construction II	2
BCT 217	Building and the Environment	3
DRFT 151	Construction Principles and Print Reading	3-4
or BCT 110	Blueprint Reading for Building Trades	
ELT 105	Basic Electricity and Electronics	3
TCEN 101	Energy for the Next Generation	3
TCEN 105	Building Analyst I	3
TCEN 106	Building Analyst II	3
TCEN 110	Photovoltaic Application	4
TCEN 156	Building Envelope	3
TCEN 205	NEC for Alternative Energy	4
Select 6 credits from the following:		6
DRFT 109	Computer Drafting Fundamentals	
DRFT 130	General Building Codes	
BCT 103	Introduction to Construction Laboratory	
Electives, to bring the total credits to 67		**6**
Total Credits		**67-68**

1. Each course selected must be from a different area and students cannot take multiple courses in the same area.
2. See the General Education (https://catalogs.nmsu.edu/dona-ana/general-education-and-transfer-options/transfer-new-mexico-institutions/) section of the catalog for a full list of courses.
3. Courses are identical to those offered at New Mexico State University Las Cruces (main) Campus. The remaining courses are applicable toward the bachelor of applied studies degree offered by the NMSU College of Extended Learning.

(67-68 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.

NOTE: Students must receive a final grade of C- or better in all required TCEN courses/Technical Requirements/Electives and achieve a cumulative grade-point average of at least 2.0. A grade of C- or better is required in ENGL 1110G Composition I and designated Mathematics courses.

Students must complete all University degree requirements, which include: General Education requirements and elective credits to total at least 67 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
FALL		
Area IV: Social/Behavioral Sciences		3
ECON 1110G	Survey of Economics	
TCEN 101	Energy for the Next Generation	3
TCEN 105	Building Analyst I	3
TCEN 106	Building Analyst II	3
Elective		3
	Credits	**15**

Semester 2		
SPRING		
DRFT 151 or BCT 110	Construction Principles and Print Reading or Blueprint Reading for Building Trades	3-4
ELT 105	Basic Electricity and Electronics	3
TCEN 110	Photovoltaic Application	4
TCEN 156	Building Envelope	3
TCEN 205	NEC for Alternative Energy	4
	Credits	**17-18**
Semester 3		
SUMMER		
Area II: Mathematics		3
MATH 1220G	College Algebra	
	Credits	**3**
Semester 4		
FALL		
Area I: Communications - English Composition Level 1		4
ENGL 1110G	Composition I	
Area III: Laboratory Sciences		4
PHYS 1230G & PHYS 1230L	Algebra-Based Physics I and Algebra-Based Physics I Lab	
BCIS 1110 or OECS 105 or OECS 215	Introduction to Information Systems or Introduction to Information Technology or Spreadsheet Applications	3
OETS 102	Career Readiness Certification Preparation	1
Elective		3
	Credits	**15**
Semester 5		
SPRING		
Area III: Laboratory Sciences		4
CHEM 1120G or CHEM 1215G	Introduction to Chemistry Lecture and Laboratory (non majors) or General Chemistry I Lecture and Laboratory for STEM Majors	
General Education Elective - Area I: Communications		3
ENGL 2210G or COMM 1115G or COMM 1130G	Professional and Technical Communication Honors or Introduction to Communication or Public Speaking	
BCT 101	Introduction to Construction I	2
BCT 102	Introduction to Construction II	2
BCT 217	Building and the Environment	3
Elective		3
	Credits	**17**
	Total Credits	**67-68**