

BUILDING CONSTRUCTION TECHNOLOGY - ASSOCIATE OF APPLIED SCIENCE

Doña Ana Community College 2026-2027 Catalog (60 credits)

NOTE: Students must earn a final grade of C- or better in all required CNST and 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 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
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General Education

Choose one course from four of the following six content areas for a total of 12-14 credits ^{1, 2}

This degree requires a course from Area I, students must select three courses from the remaining areas to complete General Education requirements. ¹

Area I: Communications - English Composition Level 1		
ENGL 1110G	Composition I	
or ENGL 1110H	Composition I Honors	
or ENGL 1110M	Composition I	
Area II: Mathematics		
Area III: Laboratory Sciences		
Area IV: Social/Behavioral Sciences		
Area V: Humanities		
Area VI: Creative and Fine Arts		

General Education Elective - Area I: Communications - Oral Communications

COMM 1115G	Introduction to Communication	3
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Core Requirement

Choose one from the following: 3		
MATH 1215	Intermediate Algebra	
MATH 1220G	College Algebra	
OETS 118	Mathematics for Technicians	

Major Requirements

Technical Requirement Courses

CNST 1121	Introduction to Construction I	2
CNST 1122	Introduction to Construction II	2
CNST 1133	Introduction to Construction Laboratory	3
CNST 1160	Plumbing Theory I	3
CNST 1120	Construction Drawings	4
CNST 1114	Basic Carpentry	3
CNST 1115	Carpentry Level I	3
CNST 1116	Basic Carpentry Lab	2
CNST 1330	Professional Development and Leadership	1
or CNST 1710	Forklift Operation	
CNST 2290	Plumbing II	3

CNST 2217	Building and the Environment	3
Choose ONE of the following tracks of study: 12		
<i>Basic Solar Track</i>		
TCEN 101	Energy for the Next Generation	
TCEN 110	Photovoltaic Application	
TCEN 205	NEC for Alternative Energy	
or OET 110	Electrical Theory I	
Elective ARCT, CNST, DRFT, or TCEN Courses (1 credit)		
<i>Energy Auditing Track</i>		
CNST 1215	Weatherization in Construction	
TCEN 105	Building Analyst I	
TCEN 106	Building Analyst II	
TCEN 156	Building Envelope	
<i>General Building Track</i>		
Elective ARCT, CNST, DRFT, or TCEN Courses (12 credits)		
Total Credits		60

- 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.

(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.

NOTE: Students must earn a final grade of C- or better in all CNST and TCEN courses, 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.

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 I		4
ENGL 1110G	Composition I	
CNST 1121	Introduction to Construction I	2
CNST 1122	Introduction to Construction II	2
CNST 1133	Introduction to Construction Laboratory	3
CNST 1330	Professional Development and Leadership	1
or CNST 1710	or Forklift Operation	
Choose one from the following: 3		
MATH 1215	Intermediate Algebra	
MATH 1220G	College Algebra	
OETS 118	Mathematics for Technicians	
Credits		15
Semester 2		Credits
General Education Elective - Area I: Communications - Oral Communications		3
COMM 1115G	Introduction to Communication	

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CNST 1114	Basic Carpentry	3
CNST 1115	Carpentry Level I	3
CNST 1116	Basic Carpentry Lab	2
CNST 1160	Plumbing Theory I	3

Credits **14**

Semester 3

Select two courses from different NM General Education Areas II, III, IV, V, and VI. A total of 4 courses from different areas are required. 6-8

Track Courses (select one track) - Choose one course from selected track below (total of 12 credits needed to complete each track). 3

Basic Solar Track

TCEN 101	Energy for the Next Generation	
TCEN 110	Photovoltaic Application	
TCEN 205 or OEET 110	NEC for Alternative Energy or Electrical Theory I	
Elective ARCT, CNST, DRFT, or TCEN course (1 credit)		

Energy Auditing Track

CNST 1215	Weatherization in Construction	
TCEN 105	Building Analyst I	
TCEN 106	Building Analyst II	
TCEN 156	Building Envelope	

General Building Track

Elective ARCT, CNST, DRFT, or TCEN courses (12 credits)		
CNST 1120	Construction Drawings	4
CNST 2290	Plumbing II	3

Credits **16-18**

Semester 4

Select one course from different NM General Education Areas II, III, IV, V, and VI. A total of 4 courses from different areas are required. 3

CNST 2217 Building and the Environment 3

Track Course - Choose one course from the list in Semester 3. 3

Track Course - Choose one course from the list in Semester 3. 3

Track Course - Choose one course from the list in Semester 3. 3

Credits **15**

Total Credits **60-62**