

BUILDING CONSTRUCTION TECHNOLOGY - ASSOCIATE OF APPLIED SCIENCE

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

NOTE: Students must earn a final grade of C- or better in all required BCT 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
General Education		
Choose one course from four of the following six content areas for a total of 12-14 credits ^{1,2}		12-14
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	
Area II: Mathematics		
Area III: Laboratory Sciences		
Area IV: Social/Behavioral Sciences		
Area V: Humanities		
Area VI: Creative and Fine Arts		
<i>General Education Elective - Area I: Communications - Oral Communications</i>		
COMM 1115G	Introduction to Communication	3
Core Requirement		
Choose one from the following:		3
MATH 1215	Intermediate Algebra	
MATH 1220G	College Algebra	
OETS 118	Mathematics for Technicians	
Major Requirements		
<i>Technical Requirement Courses</i>		
BCT 101	Introduction to Construction I	2
BCT 102	Introduction to Construction II	2
BCT 103	Introduction to Construction Laboratory	3
BCT 109	Plumbing I	3
BCT 110	Blueprint Reading for Building Trades	4
BCT 114	Basic Carpentry	3
BCT 115	Carpentry Level I	3
BCT 116	Basic Carpentry Lab	2
BCT 130	Professional Development and Leadership	1
or BCT 150	Forklift Operation	
BCT 209	Plumbing II	3

BCT 217	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 OEET 110	Basic Electricity and Electronics	
Elective ARCT, BCT, DRFT, or TCEN Courses (1 credit)		
<i>Energy Auditing Track</i>		
BCT 219	Weatherization in Construction	
TCEN 105	Building Analyst I	
TCEN 106	Building Analyst II	
TCEN 156	Building Envelope	
<i>General Building Track</i>		
Elective ARCT, BCT, 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.