



---

## Associate of Applied Science CONSTRUCTION TRADES TECHNOLOGY 2012-2014

This program provides you with the background needed for becoming a licensed contractor. It covers state laws, acts relative to the construction industries, uniform codes, and construction permits. It also provides a brief introduction to law, taxes, business licenses, and reporting requirements mandated by the State of New Mexico.

### GENERAL EDUCATION (29-30 CR)

#### Area I. Communications (6 cr)

- ENG 111 English Composition I (3)  
*Prerequisites: ENG 109N (3) or adequate score on the Course Placement Evaluation*
- Choose one of the following three courses (3):*
- ENG 112 English Composition II (3)  
*Prerequisite: ENG 111 (3)*
- ENG 116 Technical Writing (3)  
*Prerequisite: ENG 111 (3)*
- SPCH 130 Public Speaking (3)  
*Prerequisite: ENG 109N (3) or adequate score on the Course Placement Evaluation*

#### Areas II and III. Mathematics/Computers/Laboratory Sciences (9-10 cr)

- BCIS 102 Computer Literacy (3)
- MATH 132 Applied Trades Math II or higher-level mathematics course (3)

*Prerequisite: MATH 102N (4), MATH 103N (4), or MATH 104N (3)  
or adequate score on the Course Placement Evaluation*

*Choose one of the following electives (3-4):*

- ENGR 110 Intro to Engineering Technology (3)

*Prerequisite: MATH 102N (4), MATH 103N (4), or MATH 104N (3)  
or adequate score on the Course Placement Evaluation*

- PHYS 110/L Introduction to Physics I with lab (4)
- PHYS 121/L Applied Physics with lab (4)  
*Prerequisite: MATH 130 (4)*

OR

Other approved mathematics, science, or engineering course(s) (3-4)

#### Area IV. Social/Behavioral Sciences (6 cr)

Elective (6) Choose from Anthropology, Economics, Geography, Political Science, Psychology, or Sociology.  
*Prerequisite: ENG 109N (3) or adequate score on the Course Placement Evaluation*

#### Area V. Humanities and Fine Arts (6 cr)

- HUM 100 FYE: History and Culture of Northern New Mexico (3)  
*Prerequisite: ENG 108N (3) or adequate score on the Course Placement Evaluation*
- PHIL 220 Ethics (3)  
*Prerequisite: ENG 109N (3) or adequate score on the Course Placement Evaluation*

#### Area VI. Library Technology (1 cr)

- LT 101 Library Research (1)

#### HPER (1 cr)

- Elective (1)

**PROGRAM REQUIREMENTS (38-41 CR)**

ADOB	100	Adobe Construction Basics (3)
BA	128	Introduction to Entrepreneurship (3)
		<i>Prerequisite: ENG 111 (3)</i>
BA	240	Principles Management (3)
		<i>Prerequisite: ENG 109N or adequate score on the Course Placement Evaluation</i>
CONS	150	Contractor Licensing Requirements (2)
CONS	151	Inspection Processes (1)
CONS	152	Labor Laws and Safety (2)
CONS	153	Construction Contractor Taxation (3)
CONS	155	Construction Math & Blueprint Reading (3)
CONS	156	International Construction Code (2)
CONS	157	Site Development and Layout (2)
CONS	206	Building Construction (3)

*Prerequisite: MATH 100N (4) and ENG 108N (3)  
or adequate score on the Course Placement Evaluation*

CONS	207	Construction Materials & Estimating (3)
------	-----	---

*Prerequisite: MATH 100N (4) and ENG 108N (3) and BCIS 102 (3) or  
permission of instructor*

ELEC	141	Electrical Code I (3)
------	-----	-----------------------

**Electives (5-8 cr)**

CONS	158	Foundation Theory and Construction (2)
CONS	159	Masonry Theory and Construction (3)
DRFT	100	Computer Aided Drafting I (4)
WELD	150	Applied Metallurgy (4)

**TOTAL CREDITS: 67-71**