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)
Prerequisite: ENG 111 (3)
BA 240  Principles Management (3)
Prerequisite: ENG 109N or adequate score on the Course Placement Evaluation
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