



Associate of Applied Science ELECTRICAL TECHNOLOGY 2012-2014

This program prepares you for the more technical aspects of the electrician's trade with emphasis on jobs available in the government sector.

GENERAL EDUCATION (26 CR)

Area I. Communications (9 cr)

- ENG 111 English Composition I (3)
Prerequisites: ENG 109N (3) or adequate score on the Course Placement Evaluation
- 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 Science (6 cr)

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

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

Area IV. Social/Behavioral Sciences (3 cr)

- Elective (3) 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 Skills (1)

HPER (1 cr)

- Elective (1)

PROGRAM REQUIREMENTS (39-40 CR)

Business Administration (3)

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

Construction (3)

- CONS 207 Construction Materials & Estimating (3)

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

Electrical (30)

- ELEC 110 Introduction to Solar Electricity (1)
- ELEC 110L Introduction to Solar Electricity Lab (2)
- ELEC 140 Electrical Theory I (3)
- ELEC 141 Electrical Code I (3)

ELEC 142L Residential Wiring Lab (6)
ELEC 150 Electrical Theory II (3)
ELEC 151 Electrical Code II (3)
ELEC 152L Commercial Wiring Lab (6)
ELEC 160 Motor Controls (3)

Co-requisite: ELEC 160L (3)

Choose Elective(s) (3-4 cr):

RE 111 Beginning Photovoltaic Installation (3)
RE 212 Advanced Photovoltaic Installation (3)
RE 112 Roof Mounting for Solar Installations (4)
RE 105 Sustainability in Construction Installation (1)

TOTAL CREDITS: 65-66