



Associate of Applied Science ELECTRICAL TECHNOLOGY/2014-2016

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 math 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 instructor
or permission from 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) <i>Co-requisite: ELEC 160L (3)</i>

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