

NORTHERN



AMENDED 2015-16 Catalog (Revised 1/2/16)

Associate of Applied Science ELECTRICAL TECHNOLOGY

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 (27 CR)

Area I. Communications (9 cr)

ENG	111	English Composition I (3)
ENG	116	Technical Writing (3)
SPCH	130	Public Speaking (3)

Areas II and III. Mathematics/Computers/Laboratory Science (9 cr)

ENGR	110L	Introduction to Engineering (2)
ENGR	115	Basic Math for Engineering Applications (4)

Choose one of the following electives:

BCIS	102	Computer Literacy (3)
EECE	111	Introduction to Web Design (3)

Area IV. Social/Behavioral Sciences (3 cr)

Elective (3)

You must select courses from the approved list on page 27.

Area V. Humanities and Fine Arts (3 cr)

Elective (3)

You must select courses from the approved list on page 28.

Area VI. First Year Experience (3 cr)

FYE	101	First Year Experience (3)
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PROGRAM REQUIREMENTS (33 CR)

Electrical (33)

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)
ELEC	160L	Motor Controls Lab (3)

TOTAL CREDITS: 60

SUGGESTED SEQUENCE OF COURSES

First Semester (14 cr)

ENG	111	English Composition I (3)
FYE	101	First Year Experience (3)
ENGR	110L	Introduction to Engineering (2)

ELEC 140 Electrical Theory I (3)
ELEC 110 Introduction to Solar Energy (1)
ELEC 110L Introduction to Solar Energy Lab (2)

Second Semester (16 cr)

ENGR 115 Basic Math for Engineering Apps (4)
ELEC 150 Electrical Theory II (3)
ELEC 141 Electrical Code I (3)
ELEC 142L Residential Wiring Lab (6)

Third Semester (15 cr)

Elective Computer courses (3)
HFA Elective (3)
ELEC 151 Electrical Code II (3)
ELEC 152L Commercial Wiring Lab (6)

Fourth Semester (15 cr)

SPCH 130 Public Speaking (3)
ELEC 160 Motors Controls (3)
ELEC 160L Motors Controls Lab(3)
SBS Elective (3)
ENG 116 Technical Writing (3)
