

ELECTRICAL MAINTENANCE TECHNICIAN

ASSOCIATE IN APPLIED SCIENCE (AAS) DEGREE

DESCRIPTION: This program meets industry standards for this skilled trade. The occupational specialty courses meet requirements for local electrical apprenticeship programs. Students are prepared to work in residential, commercial, and industrial environments. The program includes training in the fundamentals of electricity, electric motor controls, and programmable controllers, as well as digital electronics.

GENERAL EDUCATION REQUIREMENTS CREDITS: 12

ENG 111 *or* ENGLISH COMPOSITION I (3/3) *or*
ENG 120 APPLIED COMMUNICATION (3/3)

ENG 112 *or* ENGLISH COMPOSITION II (3/3) *or*
ENG 123 TECHNICAL COMMUNICATION (3/3)

PLS 221 *or* AMERICAN GOVERNMENT REQUIREMENT (3-6/3-6)
PLS 222 *or*
HST 221 & HST 222

SPE 123 *or* PUBLIC COMMUNICATION (3/3) *or*
SPE 121 SPEECH COMMUNICATION (3/3)

CORE PROGRAM REQUIREMENTS CREDITS: 7

APP 100E ELECTRICAL STUDIES FOR TRADES (3/4) ^A
APP 106M INDUSTRIAL SAFETY (1/1) ^A

MTH 110 *or* TECHNICAL MATH I (3/4) *or*
MTH 115 APPLIED ALGEBRA & TRIGONOMETRY I (5/6)

TECHNICAL PROGRAM REQUIREMENTS CREDITS: 34

APP 102E RESIDENTIAL WIRING & BLUEPRINT RDG (3/4) ^A
APP 103E COMMERCIAL & INDUSTRIAL WIRING (3/4) ^A
APP 104E AC & DC FUNDAMENTALS (3/4) ^A
APP 107E SPECIALTY WIRING (3/4) ^A
APP 111E ELECTRIC MOTOR CONTROL (3/4) ^A
APP 114E PROGRAMMABLE CONTROLLERS (3/4) ^A
APP 115E NATIONAL ELECTRIC CODE APPLICATION (4/4) ^A
APP 122E DIGITAL ELECTRONICS FOR ELECTRICIANS (3/4) ^A
APP 123 E LINEAR ELECTRONICS FOR ELECTRICIANS (3/4) ^A

IND 120 *or* INDUSTRIAL COMPUTERS & NETWORKING (3/4) *or*
CIS 120 INTRODUCTION TO MICROCOMPUTERS (3/4)

TECHNICAL OR BUSINESS ELECTIVE (3/3)

SUGGESTED ELECTIVES CREDITS: 8

GENERAL ELECTIVES (8/8)

MINIMUM 61 CREDIT HOURS/72 CONTACT HOURS

NOTES:

^A Included in occupational specialty.

A grade of 2.0 or higher must be maintained in occupational specialty courses