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.