Program Description

This program is intended to prepare students for careers in the building and construction trades. The general education courses, in conjunction with specialized courses, provide a broad foundation and sharpen students' skills in preparation for entry into, or advancement in, today's workplace. This curriculum, following the carpentry area of concentration, provides training, skills, and knowledge that prepares students for employment as carpenters; or provides current building and construction professionals with essential carpentry skills. This curriculum, following the electrical wiring area of concentration, provides training, skills and knowledge that prepares students for employment as electricians; or provides current building and construction professionals with essential electrical wiring skills. This curriculum, following the HVAC area of concentration, provides training, skills, and knowledge that prepares students for employment as HVAC technicians; or provides current building and construction professionals with essential HVAC technician skills. HVAC area of concentration students, in order to receive the AAS, must pass the E.P.A. 608 Certification Exam and at least one Industry Competency Exam (ICE).

Program Outcomes

Upon completion of this program a student will be able to:

• Define and explain the basic principles and techniques of residential construction.
• Apply relevant construction skills in a particular trade area.
Suggested Course Sequence
A suggested course sequence for full-time students follows. All students should review this advising guide and consult an advisor.

First Semester
ENGL 101 - Introduction to College Writing * 3 semester hours
BLDG 130 - Introduction to the Building Trades 3 semester hours
BLDG 133 - Building Trades Blueprint Reading 3 semester hours
BLDG 150 - Fundamentals of Electrical Wiring 4 semester hours

Third Semester
BLDG 252 - Commercial Electrical Wiring 4 semester hours
BLDG 256 - National Electrical Code 3 semester hours
Arts or Humanities Distribution 3 semester hours (ARTD or HUMD)

General Education Elective 3 semester hours (GEEL)
Program Electives 3 semester hours †

Second Semester
English Foundation 3 semester hours (ENGF)
Mathematics Foundation 3 semester hours (MATF)
BLDG 250 - Residential Electrical Wiring 4 semester hours
Program Electives 6 semester hours †

Fourth Semester
Behavioral and Social Sciences Distribution 3 semester hours (BSSD)
Natural Sciences Distribution with Lab 4 semester hours (NSLD)
General Education Elective 3 semester hours (GEEL)
Program Electives 5 semester hours †

Total Credit Hours: 60
* ENGL 101/ ENGL 101A, if needed for ENGL 102/ENGL 103, or elective.
† Select from the following program electives: ARCH 103, ARCH 183, BLDG 140, BLDG 160, BLDG 172, BLDG 182, BLDG 184, BLDG 186, BLDG 188, BLDG 200 (1-3 credits), BLDG 230, BLDG 240, BLDG 242, BLDG 284, BSAD 101, CMGT 100, CMGT 135, CMGT 280, SPAN 101.