

Sample Pathway to Complete:

Construction Electrician

This degree can eliminate up to one year of apprenticeship hours required by the State of Colorado to become a licensed electrician.

Required Courses Credits

EIC 100 Electrical Construction and Planning 4
EIC 110 Electrical Installations I 4
EIC 120 Electrical Installations II 4
EIC 130 National Electrical Code I 4
EIC 135 National Electrical Code II 4
EIC 150 DC Circuit Fundamentals 4
EIC 155 AC Circuit Fundamentals 4

Required Credits 28

Elective Courses (Choose from list below) 18

EIC 102, 124, 125, 160, 167, 169, 211, 217, 220, 240, AEC 221, CIS 118, CON 230. Other courses as approved by Electrical Department Advisor.

General Education Courses (See AAS Degree

Requirements page 24) 15

Total Credits 61

Fall Semester

EIC 125 Electrical Principles & Appl (sample elective)

EIC 124 Electrical Safety (sample elective)

EIC 150 DC Circuit Fundamentals (Required)

EIC 110 Electrical Installations I (Required)

Spring Semester

EIC 120 Electrical Installations II EIC 110 required

EIC 155 AC Circuit Fundamentals (Required)

EIC 160 Instruments and Measurements (Required)

EIC 220 Industrial Controls (Required)

Fall Semester

EIC 230 IND Instruments and Controls II (Required)

EIC 167 Electrical Maintenance (Required)

EIC 100 Electrical Const & Planning (Sample elective)

EIC 130 National Electrical Code (Required)

Spring Semester

EIC 240 Fire Alarm Fundamentals (Sample elective)

EIC 226 PLC Controllers Advanced (Sample elective)

EIC 169 Electrical Code Calculations (Sample elective)

EIC 225 Programmable Controllers (Required)

General education courses (15 credits). Total credits (45-60 required).

The Associate of Applied Science degree is for the student who is preparing for entry-level employment in a career-oriented program of study or who is upgrading skills in a specific occupation. This degree is not intended for transfer; however, courses are considered for transfer on an individual basis by the receiving college or university. Individual departments may specify particular courses for general education. Meet with a faculty advisor for a degree worksheet.

Note: Courses numbered below 100 will not apply to any degree.

Communication (3 Credits)

ENG or COM

Mathematics (3 credits)

MAT 107 and above

Credit from any two of the following three areas (6 credits):

Arts and Humanities (3 credits)

ART, FRE, GER, HUM, ITA, JPN, LIT, MUS, PHI, RUS, SPA, THE

Physical and Life Sciences (3 credits)

AST, BIO, CHE, ENV, GEY, PHY, SCI

Social and Behavioral Science: (3 credits)

ANT, ECO, GEO, GIS, HIS, POS, PSY, SOC

Electives from any of the below subjects (3 credits)

CIS 118

ENG, COM (100 and above)

MAT (100 and above)

ART, FRE, GER, HUM, ITA, JPN, LIT, MUS, PHI, RUS, SPA, THE (100 and above)

AST, BIO, CHE, ENV, GEY, PHY, SCI (100 and above)

ANT, ECO, GEO, GIS, HIS, POS, PSY, SOC (100 and above)