

Sample Pathway to Complete:

Industrial Control & Instrumentation Technology

Required Courses Credits

EIC 124 Electrical Safety 1
EIC 130 National Electrical Code I 4
EIC 150 DC Fundamentals 4
EIC 155 AC Circuit Fundamentals 4
EIC 160 Electrical Instruments and Measurements 4
EIC 167 Electrical Maintenance 4
EIC 220 Industrial Electrical Controls 4
EIC 222 Instrument. & Process Controls I 4
EIC xxx Advanced Industrial Controls 4
EIC 225 Programmable Controllers 4
EIC 226 Programmable Controls Advanced 4
EIC 230 Instrumentation & Controls II 4

Required Credits 45

General Education Courses (See AAS Degree Requirements page 24) 15

Total Credits 60

Fall Semester

EIC 225 Programmable Controllers (Required)
EIC 220 Industrial Electrical Controls (Required)
EIC 222 Instrument. & Process Controls I (Required)
EIC 167 Electrical Maintenance (Required)

Spring Semester

EIC 160 Electrical Instruments and Measurements (Required)
EIC 124 Electrical Safety (Required)
EIC 150 DC Fundamentals (Required)
EIC 230 IND Instruments and Controls II (Required)

Fall Semester

EIC 155 AC Circuit Fundamentals (Required)
EIC 275 Advanced Industrial Controllers(Required)
EIC 226 Programmable Controllers Advanced(Required)
EIC 130 National Electrical Code (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)