

Fire Protection Technology

This degree prepares you for entry into a career in fire alarm systems design, fire alarm systems technician, or fire sprinkler systems design. This degree is also useful for anyone working for building or fire departments and conducting plan review or inspections. Emphasis is placed on the latest technologies in accordance with national and local fire codes. Preparation for NICET (National Institute for Certification in Engineering Technologies) certification in fire alarm systems levels I, II, III and IV is included in the program.

Required Courses Credits

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 240 Fire Alarm Fundamentals 4
EIC 241 Fire Alarm Systems 4
EIC 242 National Fire Alarm Code 4

Required Credits 32

Elective Courses (Choose from list below) 14

EIC 100, 102, 124, 125, 155, 160, 168, 169, 211, 217, 220, 226, 230, 233, 240, AEC 221, CIS 118, CON 105, 230, 245 FST 204. Other courses as approved by Electrical Department Advisor.

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

Total Credits 61

Fall Semester

EIC 240 Fire Alarm Fundamentals (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 (sample elective)
EIC 160 Instruments and Measurements (Sample elective)
EIC 242 National Fire Alarm Code (Required)

Fall Semester

EIC 241 Fire Alarm Systems (Required)
EIC 167 Electrical Maintenance (Sample elective)
EIC 100 Electrical Const & Planning (Sample elective)
EIC 130 National Electrical Code (Required)

Spring Semester

EIC 135 National Electrical Code II (Required)
EIC 226 PLC Controllers Advanced (Sample elective)
EIC 169 Electrical Code Calculations (Sample elective)
EIC 225 Programmable Controllers (Sample elective)

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)