Fire Science Technology

General Education (25 Credits)
- EN 101 Composition I
- EN 102 Composition II
- MA 101 College Mathematics I
- PS 101 Introduction to Psychology
- SC 101 Introduction to Physical Science
- SO 101 Introduction to Sociology
- CIS 101 Introduction to Computers and Information Processing

Courses in Major (33-34 Credits)
- FS 101 Introduction to Fire Science
- FS 102 Fire Prevention and Related Codes
- FS 201 Fire Service Management
- FS 202 Hazardous Materials
- FS 204 Fire Protection, Building Construction
- FS 206 Fire Hydraulics
- FS 210 Current Issues in Fire Science/Capstone Experience

Fire Science Certificate Program
For employment in the fields of fire fighting and fire prevention and for career and volunteer fire service personnel to advance their knowledge and skills. The credits earned for this certificate may be applied toward the Associate in Applied Science Degree in Fire Science Technology.

General Education (7 credits)
- EN 101 Composition I
- SC 101 Introduction to Physical Science

Courses in Major (24 credits)
- FS 101 Introduction to Fire Science
- FS 102 Fire Prevention and Related Codes

Associate in Applied Science Degree
For those seeking positions as fire protection and prevention specialists, municipal public safety officers, arson investigators, industrial safety inspectors, or fire insurance and fire suppression system salespersons. This degree is also intended for those who seek advancement within their careers in the fire service. Successful completion of this program can lead to eligibility for Fire Inspector certification.

Graduates should be able to:
- Describe the components of modern fire department responsibility, including emergency incident management, public education, training, resource management, and customer service.
- Perform effective inspections using knowledge of fire safety and enforcement codes.
- Apply the principles of personnel management in order to develop effective leadership techniques.
- Identify and recognize hazardous materials based upon their chemical and physical properties.
- Identify fire patterns, causes, origins, and evidence of arson.
- Detail the appropriate methods of fire fighting for the various types of wood, siding, sheathing, masonry, and steel buildings.
- Evaluate the organization and management of fire service systems.

Free Electives (3 Credits)
- FS 103 Fire Fighting Tactics & Strategy
- FS 106 Fire Protection Systems
- FS 107 Fire Apparatus Specifications, Inspections, and Maintenance
- FS 205 Fire Investigation
- FS 207 Emergency Medical Technician
- MA 108 College Algebra
- PL 104 Introduction to Law
- PL 202 Public Administration

Diversity Requirement (3 Credits)
- BU 223 Behavior in Organizations
- MA 108 College Algebra
- CH 103 Introduction to General and Organic Chemistry
- PL 202 Public Administration

Free Electives (3 Credits)
- MA 108 College Algebra
- CH 103 Introduction to General and Organic Chemistry
- BU 223 Behavior in Organizations
- PL 202 Public Administration

Credit for Prior Learning
Students may be awarded academic credit for prior educational experiences. Please consult with the Chairperson of the Human Services Department for further information.

Sample Program
First Semester Credits
- EN 101 Composition I 3
- FS 101 Introduction to Fire Science 3
- MA 101 College Mathematics I 3
- SC 101 Introduction to Physical Science 4
- SO 101 Introduction to Sociology 3

Second Semester Credits
- EN 102 Composition II 3
- FS 102 Fire Prevention and Related Codes 3
- PS 101 Introduction to Psychology 3
- CIS 101 Introduction to Computers & Information Processing 3
- Diversity Course 3

Third Semester Credits
- FS 201 Fire Service Management 3
- FS 202 Hazardous Materials 3
- CH 103 Introduction to General and Organic Chemistry 4
- Humanities Elective 3
- Fire Science Elective 3

Fourth Semester Credits
- FS 204 Fire Protection, Building Construction 3
- FS 206 Fire Hydraulics 3
- PL 104 Introduction to Law 3
- FS 210 Current Issues in Fire Science/Capstone Experience 3
- Fire Science, Political Science, or Criminal Justice Elective 3
- Free Elective 3

Total Credits 64