

**FIRE PROTECTION TECHNOLOGY  
A.A.S. Program (A55240)**

The Fire Protection Technology curriculum is designed to provide individuals with technical and professional knowledge to make decisions regarding fire protection for both public and private sectors. It also provides a sound foundation for continuous higher learning in fire protection, administration, and management. Course work includes classroom and laboratory exercises to introduce the student to various aspects of fire protection. Students will learn technical and administrative skills such as hydraulics, hazardous materials, arson investigation, fire protection safety, fire suppression management, law, and codes. Graduates should qualify for employment or advancement in governmental agencies, industrial firms, insurance rating organizations, educational organizations, and municipal fire departments. Employed persons should have opportunities for skilled and supervisory-level positions within their current organizations.

**GENERAL EDUCATION COURSES: SHC**

|                               |                                 |
|-------------------------------|---------------------------------|
| English/Communications:       |                                 |
| ENG 111                       | Expository Writing.....3        |
| ENG 114                       | Prof Research & Reporting.....3 |
| OR                            |                                 |
| ENG 113                       | Literature-Based Research.....3 |
| Humanities/Fine Arts:         |                                 |
| Elective                      | .....3                          |
| Natural Sciences/Mathematics: |                                 |
| MAT 115                       | Mathematical Models.....3       |
| OR                            |                                 |
| MAT 140                       | Survey of Mathematics.....3     |
| MAT 140A                      | Survey of Mathematics Lab.....1 |
| Social/Behavioral Sciences:   |                                 |
| PSY 150                       | General Psychology.....3        |

**MAJOR COURSES:**

|         |                                   |
|---------|-----------------------------------|
| CIS 110 | Introduction to Computers.....3   |
| FIP 120 | Intro to Fire Protection.....3    |
| FIP 124 | Fire Prevention & Public Ed.....3 |
| FIP 128 | Detection & Investigation.....3   |
| FIP 132 | Building Construction.....3       |
| FIP 136 | Inspections & Codes.....3         |
| FIP 144 | Sprinklers & Auto Alarms.....3    |
| FIP 148 | Fixed & Port Exting Sys.....3     |
| FIP 152 | Fire Protection Law.....3         |
| FIP 220 | Fire Fighting Strategies.....3    |
| FIP 224 | Instructional Methodology.....4   |
| FIP 228 | Local Govt Finance.....3          |
| FIP 229 | Fire Dynamics and Combust.....3   |
| FIP 240 | Fire Service Supervision.....3    |
| FIP 236 | Emergency Management.....3        |
| FIP 240 | Fire Service Supervision.....3    |
| FIP 248 | Fire Svc Personnel Adm.....3      |
| FIP 276 | Managing Fire Services.....3      |

**Total Credit Hours Required..... 67-68**

**DEVELOPMENTAL COURSE REQUIREMENTS\***

|   |                                |
|---|--------------------------------|
| CTS 080   | Computing Fundamentals.....3   |
| ENG 090   | Composition Strategies.....3   |
| MAT DMA 010, DMA 020, DMA 030, DMA 040, DMA 050 | .....5                         |
| RED 090   | Improved College Reading.....4 |

\*Developmental coursework (including all prerequisites) will be required of students whose placement test scores indicate a need for greater proficiency in the areas of reading, English, mathematics, and computers. Please refer to the Course Descriptions section for prerequisite course information.

**FIRE PROTECTION TECH. - Cert. Prog. (C5524001)**

**MAJOR COURSES: SHC**

|         |                                 |
|---------|---------------------------------|
| FIP 220 | Fire Fighting Strategies.....3  |
| FIP 224 | Instructional Methodology.....4 |
| FIP 240 | Fire Service Supervision.....3  |
| FIP 248 | Fire Svc Personnel Adm.....3    |
| FIP 276 | Managing Fire Services.....3    |

**Total Credit Hours Required:..... 16**

**Fire Protection Technology - Cert. Sug. Seq. (C5524001)**

|                       |                                     |
|-----------------------|-------------------------------------|
| Fall - 1st year       |                                     |
| FIP 220               | Fire Fighting Strategies 3 0 0 3    |
| FIP 276               | Managing Fire Services 3 0 0 3      |
| Total 6 0 0 6         |                                     |
| Spring - 1st year     |                                     |
| FIP 224               | Instructional Methodology 4 0 0 4   |
| FIP 240               | Fire Service Supervision 3 0 0 3    |
| FIP 248               | Fire Service Personnel Adm. 3 0 0 3 |
| Total 10 0 0 10       |                                     |
| Grand Total 16 0 0 16 |                                     |

|                   |                                   |  |     |             |        |
|-------------------|-----------------------------------|--|-----|-------------|--------|
|                   |                                   | <b>Fire Protection Technology • A55240</b> |     |             |        |
|                   |                                   | <b>Suggested Program Sequence</b>          |     |             |        |
|                   |                                   | C  | Day | Clim/Wk/Exp | Credit |
| Fall - 1st year   |                                   |  |     |             |        |
| FIP 120           | Introduction to Fire Protection   | 3  | 0   | 0           | 3      |
| FIP 124           | Fire Prevention & Public Ed       | 3  | 0   | 0           | 3      |
| FIP 220           | Fire Fighting Strategies          | 3  | 0   | 0           | 3      |
| FIP 276           | Managing Fire Services            | 3  | 0   | 0           | 3      |
| ENG 111           | Expository Writing                | 3  | 0   | 0           | 3      |
| Total             |                                   | 15   | 0   | 0           | 15     |
| Spring - 1st year |                                   |  |     |             |        |
| FIP 136           | Inspection & Codes                | 3  | 0   | 0           | 3      |
| FIP 144           | Sprinklers & Auto Alarms          | 2  | 2   | 0           | 3      |
| FIP 152           | Fire Protection Law               | 3  | 0   | 0           | 3      |
| FIP 224           | Instructional Methodology         | 4  | 0   | 0           | 4      |
| CIS 110           | Introduction to Computers         | 3  | 0   | 0           | 3      |
| Total             |                                   | 15   | 2   | 0           | 16     |
| Summer - 1st year |                                   |  |     |             |        |
| MAT 115           | Mathematical Models               | 2  | 2   | 0           | 3      |
| OR MAT 140        | Survey of Mathematics             | 3  | 0   | 0           | 3      |
| and MAT 140A      | Survey of Mathematics Lab         | 0  | 2   | 0           | 1      |
| ENG 114           | Prof. Research & Reporting        | 3  | 0   | 0           | 3      |
| OR                | ENG 113 Literature-Based Research | 3  | 0   | 0           | 3      |
| PSY 150           | General Psychology                | 3  | 0   | 0           | 3      |
| Total             |                                   | 8/9  | 2   | 0           | 9/10   |
| Fall - 2nd year   |                                   |  |     |             |        |
| FIP 128           | Detection I Investigation         | 3  | 0   | 0           | 3      |
| FIP 132           | Building Construction             | 3  | 0   | 0           | 3      |
| FIP 148           | Fixed & Port Exting System        | 2  | 2   | 0           | 3      |
| FIP 236           | Emergency Management              | 3  | 0   | 0           | 3      |
|                   | Humanities/Fine Arts Elective     | 3  | 0   | 0           | 3      |
| Total             |                                   | 14   | 2   | 0           | 15     |
| Spring - 2nd year |                                   |  |     |             |        |
| FIP 228           | Local Govt. Finance               | 3  | 0   | 0           | 3      |
| FIP 229           | Fire Dynamics & Combust           | 3  | 0   | 0           | 3      |
| FIP 240           | Fire Service Supervision          | 3  | 0   | 0           | 3      |
| FIP 248           | Fire Service Personnel Admin.     | 3  | 0   | 0           | 3      |
| Total             |                                   | 12   | 0   | 0           | 12     |
| Grand Total       |                                   | 64/65                                      | 6   | 0           | 67/68  |

**Fire Protection Technology • A55240 Suggested Prog Seq Evening**

|                   |                                   |       |   |   |       |
|-------------------|-----------------------------------|-------|---|---|-------|
| Fall - 1st year   |                                   |       |   |   |       |
| FIP 120           | Introduction to Fire Protection   | 3     | 0 | 0 | 3     |
| FIP 124           | Fire Prevention & Public Ed       | 3     | 0 | 0 | 3     |
| ENG 111           | Expository Writing                | 3     | 0 | 0 | 3     |
| Total             |                                   | 9     | 0 | 0 | 9     |
| Spring - 1st year |                                   |       |   |   |       |
| FIP 136           | Inspection & Codes                | 3     | 0 | 0 | 3     |
| FIP 144           | Sprinklers & Auto Alarms          | 2     | 2 | 0 | 3     |
| CIS 110           | Introduction to Computers         | 3     | 0 | 0 | 3     |
| Total             |                                   | 8     | 2 | 0 | 9     |
| Summer - 1st year |                                   |       |   |   |       |
| ENG 114           | Prof. Research & Reporting        | 3     | 0 | 0 | 3     |
| OR                | ENG 113 Literature-Based Research | 3     | 0 | 0 | 3     |
| PSY 150           | General Psychology                | 3     | 0 | 0 | 3     |
| Total             |                                   | 6     | 0 | 0 | 6     |
| Fall - 2nd year   |                                   |       |   |   |       |
| FIP 128           | Detection I Investigation         | 3     | 0 | 0 | 3     |
| FIP 132           | Building Construction             | 3     | 0 | 0 | 3     |
| FIP 148           | Fixed & Port Exting System        | 2     | 2 | 0 | 3     |
| Total             |                                   | 8     | 2 | 0 | 9     |
| Spring - 2nd year |                                   |       |   |   |       |
| FIP 228           | Local Govt. Finance               | 3     | 0 | 0 | 3     |
| FIP 229           | Fire Dynamics & Combust           | 3     | 0 | 0 | 3     |
| Total             |                                   | 6     | 0 | 0 | 6     |
| Summer - 2nd year |                                   |       |   |   |       |
| MAT 115           | Mathematical Models               | 2     | 2 | 0 | 3     |
| OR MAT 140        | Survey of Mathematics             | 3     | 0 | 0 | 2     |
| and MAT 140A      | Survey of Mathematics Lab         | 0     | 2 | 0 | 1     |
| Total             |                                   | 2/3   | 2 | 0 | 3/4   |
| Fall - 3rd year   |                                   |       |   |   |       |
| FIP 220           | Fire Fighting Strategies          | 3     | 0 | 0 | 3     |
| FIP 276           | Managing Fire Services            | 3     | 0 | 0 | 3     |
| Total             |                                   | 6     | 0 | 0 | 6     |
| Spring 3rd year   |                                   |       |   |   |       |
| FIP 152           | Fire Protection Law               | 3     | 0 | 0 | 3     |
| FIP 224           | Instructional Methodology         | 4     | 0 | 0 | 4     |
| Total             |                                   | 7     | 0 | 0 | 7     |
| Fall - 4th year   |                                   |       |   |   |       |
| FIP 236           | Emergency Management              | 3     | 0 | 0 | 3     |
|                   | Humanities/Fine Arts Elective     | 3     | 0 | 0 | 3     |
| Total             |                                   | 6     | 0 | 0 | 6     |
| Spring - 4th year |                                   |       |   |   |       |
| FIP 240           | Fire Service Supervision          | 3     | 0 | 0 | 3     |
| FIP 248           | Fire Service Personnel Admin.     | 3     | 0 | 0 | 3     |
| Total             |                                   | 8     | 0 | 0 | 8     |
| Grand Total       |                                   | 64/65 | 6 | 0 | 67/68 |