

CURRICULUM STANDARD

Effective Term
Fall 2004
[2004*03]

Curriculum Program Title

Fire Protection Technology

Code

A55240

Concentration

(not applicable)

Curriculum Description

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.

*Curriculum Requirements**

[for associate degree, diploma, and certificate programs in accordance with 23 NCAC 02E.0204(3)]

- I. General Education.** Degree programs must contain a minimum of 15 semester hours including at least one course from each of the following areas: humanities/fine arts, social/behavioral sciences, and natural sciences/mathematics. Degree programs must contain a minimum of 6 semester hours of communications. Diploma programs must contain a minimum of 6 semester hours of general education; 3 semester hours must be in communications. General education is optional in certificate programs.
- II. Major Hours.** AAS, diploma, and certificate programs must include courses which offer specific job knowledge and skills. Work experience, including cooperative education, practicums, and internships, may be included in associate in applied science degrees up to a maximum of 8 semester hours of credit; in diploma programs up to a maximum of 4 semester hours of credit; and in certificate programs up to a maximum of 2 semester hours of credit. *(See second page for additional information.)*
- III. Other Required Hours.** A college may include courses to meet graduation or local employer requirements in a certificate, diploma, or associate in applied science program. These curriculum courses shall be selected from the Combined Course Library and must be approved by the System Office prior to implementation. Restricted, unique, or free elective courses may not be included as other required hours.

| | AAS | Diploma | Certificate |
|--|--------------|----------------|--------------------|
| Minimum General Education Hours | 15 | 6 | 0 |
| Minimum Major Hours | 49 | 30 | 12 |
| Other Required Hours | 0-7 | 0-4 | 0-1 |
| Total Semester Hours Credit (SHC) | 64-76 | 36-48 | 12-18 |

**Within the degree program, the institution shall include opportunities for the achievement of competence in reading, writing, oral communication, fundamental mathematical skills, and basic use of computers.*

Major Hours

[ref. 23 NCAC 02E.0204 (3)]

- A. Core.** The subject/course core is comprised of subject areas and/or specific courses which are required for each curriculum program. A diploma program offered under an approved AAS program standard or a certificate which is the highest credential level awarded under an approved AAS program standard must include a minimum of 12 semester hours credit derived from the subject/course core of the AAS program.
- B. Concentration** *(if applicable)*. A concentration of study must include a minimum of 12 semester hours credit from required subjects and/or courses. The majority of the course credit hours are unique to the concentration. The required subjects and/or courses that make up the concentration of study are in addition to the required subject/course core.
- C. Other Major Hours.** Other major hours must be selected from prefixes listed on the curriculum standard. A maximum of 9 semester hours of credit may be selected from any prefix listed, with the exception of prefixes listed in the core or concentration. Work experience, including cooperative education, practicums, and internships, may be included in associate in applied science degrees up to a maximum of 8 semester hours of credit; in diploma programs up to a maximum of 4 semester hours of credit; and in certificate programs up to a maximum of 2 semester hours of credit.

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| | AAS | Diploma | Certificate | | | | | | | | | | | | | | | | | | | | |
|--|---------------|--------------------------------------|---------------------------------|-------|---|---------|--------------------------------------|-------|---|---------|-----------------------------|-------|---|---------|-----------------------|-------|---|---------|--------------------------|-------|---------------|---------------|--|
| Minimum Major Hours Required | 49 SHC | 30 SHC | 12 SHC | | | | | | | | | | | | | | | | | | | | |
| <p>A. CORE <i>Courses required for the diploma are designated with *</i></p> <p>Required Courses:</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 5%;">*</td> <td style="width: 10%;">FIP 120</td> <td style="width: 75%;">Introduction to Fire Protection</td> <td style="width: 10%; text-align: right;">3 SHC</td> </tr> <tr> <td>*</td> <td>FIP 124</td> <td>Fire Prevention and Public Education</td> <td style="text-align: right;">3 SHC</td> </tr> <tr> <td>*</td> <td>FIP 128</td> <td>Detection and Investigation</td> <td style="text-align: right;">3 SHC</td> </tr> <tr> <td>*</td> <td>FIP 132</td> <td>Building Construction</td> <td style="text-align: right;">3 SHC</td> </tr> <tr> <td>*</td> <td>FIP 220</td> <td>Fire Fighting Strategies</td> <td style="text-align: right;">3 SHC</td> </tr> </table> <p>Required Subject Areas: None</p> | * | FIP 120 | Introduction to Fire Protection | 3 SHC | * | FIP 124 | Fire Prevention and Public Education | 3 SHC | * | FIP 128 | Detection and Investigation | 3 SHC | * | FIP 132 | Building Construction | 3 SHC | * | FIP 220 | Fire Fighting Strategies | 3 SHC | 15 SHC | 15 SHC | |
| * | FIP 120 | Introduction to Fire Protection | 3 SHC | | | | | | | | | | | | | | | | | | | | |
| * | FIP 124 | Fire Prevention and Public Education | 3 SHC | | | | | | | | | | | | | | | | | | | | |
| * | FIP 128 | Detection and Investigation | 3 SHC | | | | | | | | | | | | | | | | | | | | |
| * | FIP 132 | Building Construction | 3 SHC | | | | | | | | | | | | | | | | | | | | |
| * | FIP 220 | Fire Fighting Strategies | 3 SHC | | | | | | | | | | | | | | | | | | | | |
| <p>B. CONCENTRATION <i>(Not applicable)</i></p> | | | | | | | | | | | | | | | | | | | | | | | |
| <p>C. OTHER MAJOR HOURS <i>To be selected from the following prefixes</i></p> <p>CHM, CIS, CJC, COE, CSC, ECO, EHS, EMS, EPT, FIP, HSE, NET, PED, PHY, and POL</p> <p><i>Foreign language courses (including ASL) that are not designated as approved other major hours may be included in all programs up to a maximum of 3 semester hours of credit.</i></p> | | | | | | | | | | | | | | | | | | | | | | | |