[Fire/Rescue Science Technology](https://bluegrass.kctcs.edu/education-training/program-finder/fire-rescue-technology.aspx)

Associate in Applied Science

Coordinator: Brian Steele (brian.steele@kctcs.edu) 859-259-0014

Student Name: Student ID:

*Students must meet college readiness benchmarks as identified by the Council on Postsecondary Education or remedy the identified skill deficiencies.*

Semester 1

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Courses | Cr. Hrs. | Term | Grade | Prerequisites | Notes |
| FIR 101 Basic Firefighting I | 3 |  |  |  |  |
| FIR 102 Basic Firefighting II | 3 |  |  | FIR 101 |  |
| FIR 103 Basic Firefighting III | 3 |  |  | FIR 102 |  |
| FIR 104 Basic Firefighting IV | 3 |  |  | FIR 103 |  |
| FIR 230 Emergency Medical Tech. (EMT) | 6 |  |  |  | See note |
| Total Semester Credit Hours | 18 |  |  |  |  |

Semester 2

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Courses | Cr. Hrs. | Term | Grade | Prerequisites | Notes |
| FIR 105 Fire Suppression | 3 |  |  | FIR 104 |  |
| FIR 106 Intro to Special Responses | 3 |  |  | FIR 105 |  |
| FIR 107 Intro to rescue and Patient Care | 3 |  |  | FIR 106 |  |
| FIR 220 Hazardous Materials Technician | 3 |  |  | FIR 107 |  |
| Computer/Digital Literacy | 0 – 3 |  |  |  | CIT 105 or exam or certification |
| ENG 101 Writing I | 3 |  |  |  |  |
| Total Semester Credit Hours | 15 – 18 |  |  |  |  |

Semester 3

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Courses | Cr. Hrs. | Term | Grade | Prerequisites | Notes |
| FIR Elective | 3 |  |  |  |  |
| FIR Elective | 3 |  |  |  |  |
| FIR Elective | 3 |  |  |  |  |
| Social and Behavioral Sciences course | 3 |  |  |  |  |
| Quantitative Reasoning | 3 |  |  |  |  |
| Total Semester Credit Hours | 15 |  |  |  |  |

Semester 4

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Courses | Cr. Hrs. | Term | Grade | Prerequisites | Notes |
| FIR Elective | 3 |  |  |  |  |
| FIR Elective | 3 |  |  |  |  |
| Natural Sciences course | 3 – 4 |  |  |  |  |
| Heritage or Humanities course | 3 |  |  |  |  |
| Total Semester Credit Hours | 12 – 13 |  |  |  |  |
| Total Degree Credit Hours | 60 – 63 |  |  |  |  |

**Graduation Requirements:**

* 25% or more of Total Degree Credit Hours must be earned at BCTC.
* Cumulative GPA must be 2.0 or higher.

Advisor Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Advisor Contact \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Additional Information**

General Education courses may be completed in any semester or Summer session as scheduling allows.

**Approved Elective Courses**

|  |  |  |
| --- | --- | --- |
| Course | Cr. Hrs. | Prerequisites |
| FIR 198 Practicum (180 clock hours) | 3 |  |
| FIR 202 Fire Instructor I  | 3 |  |
| FIR 203 Fire Instructor II | 3 |  |
| FIR 205 Fire Officer I | 3  |  |
| FIR 206 Fire Officer II | 3 |  |
| FIR 210 Aircraft rescue Firefighting | 3 |  |
| FIR 212 Driver/Operator-Pumper | 3 |  |
| FIR 213 Driver/Operator-Aerial | 3 |  |
| FIR 220 Hazardous Materials Technician | 3 |  |
| FIR 225 Special Topics in Firefighting (15 clock hours): 1 credit hour each up to a total of 3 credit hours cumulative | 1-3 |  |

**Approved FESHE Elective Courses**

|  |  |  |
| --- | --- | --- |
| Course | Cr. Hrs. | Prerequisites |
| FIR 260 Principles of Emergency Services | 3 |  |
| FIR 261 Building Construction | 3 |  |
| FIR 262 Fire Behavior and Combustion | 3 |  |
| FIR 263 Fire Service Safety & Wellness | 3  |  |
| FIR 264 Fire Prevention | 3 |  |
| FIR 265 Fire Protection Systems | 3 |  |
| FIR 280 Legalities in the Fire Service | 3 |  |
| FIR 281 Fire Service Administration | 3 |  |
| FIR 282 Strategy & Tactics | 3 |  |

**Embedded Credentials**

|  |  |  |  |
| --- | --- | --- | --- |
| Credential | Title | Requirements | Total Cr. Hours |
| Diploma | Fire Chief | ENG 101 or Heritage/Humanities course, Social/Behavioral Science/Natural Sciences or Quantitative Reasoning course, Computer Literacy, FIR 101-107, FIR 198 FIR 205-206, FIR 280-282. | 48-51 |
| Certificate | Fire Service Administration | FIR 101-107, FIR 205-206 **or** FIR 280-281 | 24 |
| Certificate | Basic Firefighter | FIR 101-104 | 12 |
| Certificate | Advanced Firefighter | FIR 101-107 | 21 |
| Certificate | Hazardous Materials Technician | FIR 220 | 3 |
| Certificate | Emergency Medical Technician | FIR 230 | 6 |
| Certificate | Basic Fire Protection (FESHE) | FIR 260-265, FIR 280-282 (Completion of any six of these courses) | 18 |

**Diploma Requirements:**

* 25% or more of Total Diploma Credit Hours must be earned at BCTC.
* Cumulative GPA must be 2.0 or higher.

**Certificate Requirements:**

* 25% or more of Total Certificate Credit Hours must be earned at BCTC.
* Grade of C or higher in each course required for certificate.

*Reviewed by: Brian D. Steele Effective Term: Fall 2021*

 *Review Date: 06/30/2021*