

# Palo Verde College

## Program Outline Report

### Program Basics

|                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Program Title:                      | Fire Science Fire Command Certificate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Program Status:                     | Active from 2020-21 Spring (2021SP)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Department:                         | Fire Science Technology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Award Type:                         | Certificate of Achievement (Credit)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Program/Catalog Description         | Students who wish to concentrate on meeting the requirements for Fire Command for entry level employment in the fire service or promotional opportunities will develop the required knowledge, skills and abilities in the area of Fire Command and in fire suppression, fire prevention, training and administration. Opportunities also exist with private industry safety programs, insurance companies and fire equipment manufacturing firms. Through the expertise of the faculty and the exposure to professional fire service personnel, students can expect to be trained in the latest theories and techniques in Fire Command, fire technology, firefighting skills and emergency medical training. |
| Control Number:                     | 41223                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Credential ID:                      | No value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Transferability:                    | No value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| (SP01) Program TOP Code:            | 2133.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| (SP01) Program TOP Code:            | Fire Technology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| (SP02) Student Program Award:       | Certificate requiring 30 to fewer than 60 semester units                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Maximum Credits:                    | 30                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Minimum Credits:                    | 30                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Curriculum Committee Approval Date: | 05/13/2021                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Board of Trustees Approval Date:    | 06/08/2021                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| External Review Approval Date:      | 06/08/2021                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

### Proposal Details

|                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|---------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Proposal Start:                             | 2020-21 Spring (2021SP)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| What changes have been made to the program: | No value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Program Justification:                      | Currently Palo Verde College only offers a Hazardous Material, Haz Mat, Degree requiring 60 units. Haz Mat is only one of several areas within the fire service. Having an education is Haz Mat is definitely beneficial for the fire service, but does not cover all areas of the fire service required for a well-rounded fire fighter. As a Fire Chief I cannot hire an individual with just Haz Mat training as that would be a disservice to the people of the community we serve. The requirements within this Fire Science Fire Command Certificate program will not only meet, but exceed the expectations needed to develop an individual to be successful as a fire service instructor. The addition of the Fire Science Fire Command will allow students to achieve a Fire Science Fire Command Certificate as well. The hope is the student will continue their education and achieve an AS. |

## Submission Rationale

- New Program

## Program Requirements

### Fire Science Fire Command Certificate (Total 30)

Complete all of the following

#### Required Courses (Total 13.5)

Complete the following number of credits: 13.5

|                                                            |          |
|------------------------------------------------------------|----------|
| EMS161 - Emergency Medical Technician Refresher            | 1-1.5    |
| FST090 - Pre-Service Academy                               | 0.25-12  |
| FST159 - I-200 Basic Incident Command System (ICS)         | 0.5-0.75 |
| FST162 - I-300: Intermediate Incident Command System (ICS) | 1-1.25   |
| FST163 - I-400: Advanced Incident Command System (ICS)     | 0.75     |
| FST248 - Company Officer 2D: All-Risk Command Operations   | 2        |

#### Electives (Total 16.5)

Complete the following number of credits: 16.5

|                                                                                 |      |
|---------------------------------------------------------------------------------|------|
| FST106 - Auto Extrication                                                       | 0.5  |
| FST111 - River and Flood Rescue Technician                                      | 0.75 |
| FST277 - Rope Rescue Technician/High Angle Rescue                               | 1    |
| FST276 - Open Water Rescuer--Basic                                              | 0.5  |
| FST275 - Fire Control 5B; Aircraft Rescue and Firefighting Live Fire Drill      | 0.25 |
| FST274 - Fire Control 5A; Aircraft Rescue and Firefighting Initial Training     | 1.75 |
| FST273 - Fire Instructor III: Instructional Program Management                  | 2    |
| FST272 - S-290: Intermediate Wildland Fire Behavior                             | 1.75 |
| FST268 - HazMat/Weapons of Mass Destruction: Assist Safety Officer              | 0.75 |
| FST266 - Haz Mat Emergency Response: First Responder Operations-Decontamination | 0.25 |
| FST263 - Fire Inspector 2C:Inspect New & Exist Fire & Life Safety Sys & Equip   | 0.75 |
| FST261 - Fire Inspector 2A: Fire Prevention Administration                      | 0.75 |
| FST259 - Fire Inspector 1C: Field Inspection                                    | 1.25 |
| FST258 - Fire Inspector 1B: Fire and Life Safety                                | 1.25 |
| FST257 - Fire Inspector 1A: Duties and Administration                           | 1.25 |
| FST256 - Chief Fire Officer 3D: Emergency Service Delivery Responsibilities     | 1.25 |
| FST254 - Chief Fire Officer 3C: General Administration Functions                | 1.25 |
| FST253 - Chief Officer 3B: Budget and Fiscal Responsibilities                   | 1    |
| FST252 - Chief Fire Officer 3A: Human Resource Management                       | 1.25 |
| FST249 - Company Officer 2E: Wildland Incident Operations                       | 2    |
| FST247 - Company Officer 2C: Fire Inspections and Investigations                | 2    |
| FST246 - Company Officer 2B: General Administrative Functions                   | 1    |
| FST245 - Company Officer 2A: Human Resource Management                          | 2    |
| FST243 - Fire Investigation 2A: Criminal and Legal Procedures                   | 2    |
| FST242 - Fire Investigation 1B: Techniques of Fire Investigation                | 2    |
| FST241 - Fire Investigation 1A: Fire Origin and Cause Determination             | 2    |
| FST240 - Fire Prevention 1:Fire and Life Safety Inspections For Company Officer | 1.5  |
| FST226 - Instructor II: Instructional Development                               | 2    |

|                                                                             |           |
|-----------------------------------------------------------------------------|-----------|
| FST224 - Instructor 1: Instructional Methodology                            | 2         |
| FST223 - Hazardous Materials Incident Commander                             | 0.75      |
| FST219 - Rescue Systems 3: Structural Collapse Technician                   | 0.5       |
| FST183 - Terrorism, Weapons of Mass Destruction                             | 1         |
| FST175 - Low Angle Rope Rescue Operational                                  | 0.5       |
| FST174 - Rescue Systems 2: Advanced Rescue Skills                           | 2         |
| FST173 - Rescue Systems 1: Basic Rescue Skills                              | 2         |
| FST167 - Confined Space Refresher                                           | 0.25      |
| FST166 - Confined Space Rescue Awareness                                    | 0.25      |
| FST165 - Confined Space Rescue Technician                                   | 1         |
| FST161 - Hazmat Incident Command System                                     | 1         |
| FST158 - Haz Mat Specialist 1G: Tactical Field Operations                   | 1.75      |
| FST157 - Haz Mat Specialist 1F: Specialized Mitigation Techniques           | 1.75      |
| FST156 - Trench Rescue Technician                                           | 0.5       |
| FST155 - Haz Mat Technician 1D: Tactical Field Operations                   | 1.75      |
| FST154 - Haz Mat Technician 1C: Incident Considerations                     | 1.75      |
| FST153 - Haz Mat Technician 1B: Applied Chemistry                           | 1.75      |
| FST152 - Haz Mat Technician 1A: Basic Chemistry                             | 2         |
| FST151 - Hazardous Materials First Responder Awareness Level                | 0.25      |
| FST150 - Hazardous Materials First Responder Operational Level              | 0.75-1    |
| FST148 - S-190: Introduction to Wildland Fire Behavior                      | 0.25      |
| FST126 - River and Flood Motorized Rescue Boat Technician                   | 0.5       |
| FST125 - Surface Rescue Boat Technician                                     | 0.25-0.75 |
| FST124 - Fire Control 3A: Structural Firefighting in Acquired Structures    | 0.25      |
| FST123 - Fire Control 3B: Structural Firefighting in Live-Fire Simulators   | 0.25      |
| FST120 - Firefighter Survival                                               | 0.5       |
| FST119 - Fire Control 6 Wildland Firefighting Essentials                    | 0.75      |
| FST116 - Fire Apparatus Driver/Operator 1B Pump Operations                  | 1.5       |
| FST113 - Rescue Boat Operations                                             | 0.5       |
| FST112 - Personal Water Craft Rescue                                        | 0.5       |
| FST115 - Fire Apparatus Driver/Operator 1A: Emergency Vehicle Operations    | 1.5       |
| FST080 - First Responder Skills                                             | 0.25-24   |
| FST110 - River and Flood Water Rescue Operations                            | 0.5       |
| FST260 - Fire Inspector 1D: Field Inspection-California Specific            | 0.75      |
| FST262 - Fire Inspector 2B: Fire and Life Safety Requirements               | 1.25      |
| FST264 - Fire Inspector 2D: Hazardous Materials, Operations, and Processess | 1.75      |
| FST290 - Selected Studies in Fire Science Technology                        | 0.25-4    |

## Recommended Sequences

### Fire Science Fire Command Certificate

**Term 1 (Total 1.25-13.5)**

**Required Courses** EMS161 - Emergency Medical Technician Refresher 1-1.5

**Required Courses** FST090 - Pre-Service Academy 0.25-12

**Term 2 (Total 6.5-7)**

**Required Courses** FST159 - I-200 Basic Incident Command System (ICS) 0.5-0.75

**Required Courses** FST162 - I-300: Intermediate Incident Command System (ICS) 1-1.25

**Required Courses** FST163 - I-400: Advanced Incident Command System (ICS) 0.75

**Required Courses** FST248 - Company Officer 2D: All-Risk Command Operations 2

**Electives** FST115 - Fire Apparatus Driver/Operator 1A: Emergency Vehicle Operations 1.5

**Electives** FST120 - Firefighter Survival 0.5

**Electives** FST148 - S-190: Introduction to Wildland Fire Behavior 0.25

**Term 3 (Total 7)**

**Electives** FST154 - Haz Mat Technician 1C: Incident Considerations 1.75

**Electives** FST155 - Haz Mat Technician 1D: Tactical Field Operations 1.75

**Electives** FST157 - Haz Mat Specialist 1F: Specialized Mitigation Techniques 1.75

**Electives** FST158 - Haz Mat Specialist 1G: Tactical Field Operations 1.75

**Term 4 (Total 5.75)**

**Electives** FST165 - Confined Space Rescue Technician 1

**Electives** FST240 - Fire Prevention 1: Fire and Life Safety Inspections For Company Officer 1.5

**Electives** FST241 - Fire Investigation 1A: Fire Origin and Cause Determination 2

**Electives** FST259 - Fire Inspector 1C: Field Inspection 1.25

**Program Outcomes**

**Fire Science Fire Command Certificate**

PSLO

Performance

Successfully complete a written test with a minimum 80% passing score.

80

Demonstration of the proper techniques required to perform on a Hazardous Materials incident with an 80% success rate.

80

Identify Hazardous Materials and their potential impacts on fire personnel and the community with a minimum 80% passing score.

80

## Program Narrative

### Narrative Item 1. Program Goals and Objectives

Students completing this program will be able to identify and discuss the concepts and theories related to Fire Command in the fire service including its history and development, fire prevention techniques and protection equipment, fire behavior and chemistry and firefighter safety. Students will also be able to recognize the tools and equipment used in the fire service and demonstrate their safe and proper use. Students will also demonstrate the interpersonal and communication skills necessary to function within the fire service, as well as, display the values, ethics and professionalism required to be successful.

### Narrative Item 2. Catalog Description

Students who wish to concentrate on meeting the requirements for Fire Command for entry level employment in the fire service or promotional opportunities will develop the required knowledge, skills and abilities in the area of Fire Command and in fire suppression, fire prevention, training and administration. Opportunities also exist with private industry safety programs, insurance companies and fire equipment manufacturing firms. Through the expertise of the faculty and the exposure to professional fire service personnel, students can expect to be trained in the latest theories and techniques in Fire Command, fire technology, firefighting skills and emergency medical training.

**Narrative Item 3. Program Requirements**

| Requirements                  | Name/#  | Fire Science Fire Command Certificate                                  | Units |
|-------------------------------|---------|------------------------------------------------------------------------|-------|
|                               |         | Course Title                                                           |       |
| Required Core<br>(13.5 Units) | EMS 161 | EMERGENCY MEDICAL TECHNICIAN 1 (REFRESHER)                             | 1.5   |
|                               | FST 090 | PRE-SERVICE FIRE ACADEMY                                               | 7.5   |
|                               | FST 159 | I-200 BASIC INCIDENT COMMAND SYSTEM (ICS)                              | 0.75  |
|                               | FST 162 | I-300: INTERMEDIATE INCIDENT COMMAND SYSTEM (ICS)                      | 1     |
|                               | FST 163 | I-400: ADVANCED INCIDENT COMMAND SYSTEM (ICS)                          | 0.75  |
|                               | FST 248 | COMPANY OFFICER 2D ALL RISK COMMAND OPERATIONS                         | 2     |
|                               |         |                                                                        | 13.5  |
| Electives<br>(16.5 Units)     | FST 080 | FIRST RESPONDER                                                        | 12    |
|                               | FST 106 | AUTO EXTRICATION                                                       | 0.5   |
|                               | FST 110 | RIVER AND FLOOD WATER RESCUE OPERATIONS                                | 0.5   |
|                               | FST 111 | RIVER AND FLOOD RESCUE TECHNICIAN                                      | 0.75  |
|                               | FST 112 | PERSONAL WATER CRAFT RESCUE OPERATIONS                                 | 0.5   |
|                               | FST 113 | RESCUE BOAT OPERATIONS                                                 | 0.5   |
|                               | FST 115 | FIRE APPARATUS/OPERATOR 1A/EMERGENCY VEHICLE OPERATIONS                | 1.5   |
|                               | FST 116 | FIRE APPARATUS/OPERATOR 1B PUMP OPERATIONS                             | 1.5   |
|                               | FST 119 | FIRE CONTROL 6 WILDLAND FIREFIGHTING ESSENTIALS                        | 0.75  |
|                               | FST 120 | FIREFIGHTER SURVIVAL                                                   | 0.5   |
|                               | FST 123 | FIRE CONTROL 3B: STRUCTURAL FIREFIGHTING IN LIVE FIRE SIMULATORS       | 0.25  |
|                               | FST 124 | FIRE CONTROL 3A STRUCTURAL FIREFIGHTING IN ACQUIRED STRUCTURES         | 0.25  |
|                               | FST 125 | SURFACE RESCUE BOAT TECHNICIAN                                         | 0.75  |
|                               | FST 126 | RIVER AND FLOOD MOTORIZED RESCUE BOAT TECHNICIAN                       | 0.5   |
|                               | FST 148 | S-190 INTRODUCTION TO WILDLAND FIRE BEHAVIOR                           | 0.25  |
|                               | FST 150 | HAZARDOUS MATERIALS FIRST RESPONDER OPERATIONAL LEVEL                  | 1     |
|                               | FST 151 | HAZARDOUS MATERIAL FIRST RESPONDER AWARENESS LEVEL                     | 0.25  |
|                               | FST 152 | HAZ MAT TECHNICIAN 1A BASIC CHEMISTRY                                  | 2     |
|                               | FST 153 | HAZ MAT TECHNICIAN 1B APPLIED CHEMISTRY                                | 1.75  |
|                               | FST 154 | HAZ MAT TECHNICIAN 1C INCIDENT CONSIDERATIONS                          | 1.75  |
|                               | FST 155 | HAZ MAT TECHNICIAN 1D TACTICAL FIELD OPERATIONS                        | 1.75  |
|                               | FST 157 | HAZ MAT SPECIALIST 1F SPECIALIZED MITIGATION TECHNIQUES                | 1.75  |
|                               | FST 158 | HAZ MAT SPECIALIST 1G TACTICAL FIELD OPERATIONS                        | 1.75  |
|                               | FST 156 | TRENCH RESCUE TECHNICIAN                                               | 0.5   |
|                               | FST 161 | HAZ MAT - INCIDENT COMMAND SYSTEMS                                     | 1     |
|                               | FST 165 | CONFINED SPACE RESCUE TECHNICIAN                                       | 1     |
|                               | FST 166 | CONFINED SPACE RESCUE AWARENESS                                        | 0.25  |
|                               | FST 167 | CONFINED SPACE REFRESHER                                               | 0.5   |
|                               | FST 173 | RESCUE SYSTEMS 1: BASIC RESCUE SKILLS                                  | 2     |
|                               | FST 174 | RESCUE SYSTEMS 2: ADVANCED RESCUE SKILLS                               | 2     |
|                               | FST 175 | LOW ANGLE ROPE RESCUE OPERATIONAL                                      | 0.5   |
|                               | FST 183 | TERRORISM, WEAPONS OF MASS DESTRUCTION                                 | 1     |
|                               | FST 219 | RESCUE SYSTEMS 3 STRUCTURAL COLLAPSE TECHNICIAN                        | 0.5   |
|                               | FST 223 | HAZARDOUS MATERIALS INCIDENT COMMANDER                                 | 0.75  |
|                               | FST 224 | INSTRUCTOR 1 INSTRUCTIONAL METHODOLOGY                                 | 2     |
|                               | FST 226 | INSTRUCTOR II INSTRUCTIONAL DEVELOPMENT                                | 2     |
|                               | FST 240 | FIRE PREVENTION 1 FIRE AND LIFE SAFETY INSPECTIONS FOR COMPANY OFFICER | 1.5   |
|                               | FST 241 | FIRE INVESTIGATION 1A FIRE ORIGIN AND DETERMINATION                    | 2     |
|                               | FST 242 | FIRE INVESTIGATION 1B TECHNIQUES OF FIRE INVESTIGATION                 | 2     |
|                               | FST 243 | FIRE INVESTIGATION 2A CRIMINAL AND LEGAL PROCEDURES                    | 2     |
|                               | FST 245 | COMPANY OFFICER 2A HUMAN RESOURCE MANAGEMENT                           | 2     |
|                               | FST 246 | COMPANY OFFICER 2B GENERAL ADMINISTRATIVE FUNCTION                     | 1     |
|                               | FST 247 | COMPANY OFFICER 2C FIRE INSPECTIONS AND INVESTIGATIONS                 | 2     |
|                               | FST 249 | COMPANY OFFICER 2E WILDLAND INCIDENT OPERATIONS                        | 2     |

|         |                                                                                     |      |
|---------|-------------------------------------------------------------------------------------|------|
| FST 252 | CHIEF FIRE OFFICER 3A HUMAN RESOURCE MANAGEMENT                                     | 1.25 |
| FST 253 | CHIEF FIRE OFFICER 3B BUDGET AND FISCAL RESPONSIBILITIES                            | 1    |
| FST 254 | CHIEF FIRE OFFICER 3C GENERAL ADMINISTRATION FUNCTIONS                              | 1.25 |
| FST 256 | CHIEF FIRE OFFICER 3D EMERGENCY SERVICE DELIVERY RESPONSIBILITIES                   | 1.25 |
| FST 257 | FIRE INSPECTOR 1A DUTIES AND ADMINISTRATION                                         | 1.25 |
| FST 258 | FIRE INSPECTOR 1B FIRE AND LIFE SAFETY                                              | 1.25 |
| FST 259 | FIRE INSPECTOR 1C FIELD INSPECTION                                                  | 1.25 |
| FST 260 | FIRE INSPECTOR 1D FIELD INSPECTION CALIFORNIA SPECIFIC                              | 0.75 |
| FST 261 | FIRE INSPECTOR 2A FIRE PREVENTION ADMINISTRATION                                    | 0.75 |
| FST 262 | FIRE INSPECTOR 2B FIRE AND LIFE SAFETY REQUIREMENTS                                 | 1.25 |
| FST 263 | FIRE INSPECTOR 2C INSPECT NEW AND EXISTING FIRE & LIFE SAFETY SYSTEMS AND EQUIPMENT | 0.75 |
| FST 264 | FIRE INSPECTOR 2D HAZARDOUS MATERIALS OPERATION S AND PROCESSES                     | 1.75 |
| FST 266 | HAZ MAT EMERGENCY RESPONSE FIRST RESPONDER OPERATIONS DECONTAMINATION               | 0.25 |
| FST 268 | HAZ MAT WEAPONS OF MASS DESTRUCTION ASSISTANT SAFETY OFFICER                        | 0.75 |
| FST 272 | S-290 INTERMEDIATE WILDLAND FIRE BEHAVIOR                                           | 1.75 |
| FST 273 | FIRE INSTRUCTOR III INSTRUCTIONAL PROGRAM MANAGEMENT                                | 2    |
| FST 274 | FIRE CONTROL 5A: AIRCRAFT RESCUE AND FIREFIGHTING INITIAL TRAINNG - 40 HRS.         | 1.75 |
| FST 275 | FIRE CONTROL 5B: AIRCRAFT RESCUE AND FIREFIGHTING LIVE FIRE - 8 HRS.                | 0.25 |
| FST 276 | OPEN WATER RESCUER                                                                  | 0.5  |
| FST 277 | ROPE RESCUE TECHNICIAN/HIGH ANGLE RESCUE                                            | 1    |
| FST 290 | SELECTED STUDIES IN FIRE SCIENCE TECHNOLOGY                                         | 2    |

Required Major Total 30 Units

College GE Requirements None

Transferrable Electives As Needed to Reach 30

TOTAL UNITS 30 Units

#### PROPOSED SEQUENCE

| Term   | Course # | Course Title                                                           | Units | Major | GE |
|--------|----------|------------------------------------------------------------------------|-------|-------|----|
| 1      | EMS 161  | EMERGENCY MEDICAL TECHNICIAN 1 (REFRESHER)                             | 1.5   | X     |    |
| 1      | FST 090  | PRE-SERVICE FIRE ACADEMY                                               | 7.5   | X     |    |
| 2      | FST 115  | FIRE APPARATUS/OPERATOR 1A/EMERGENCY VEHICLE OPERATIONS                | 1.5   | X     |    |
| 2      | FST 120  | FIREFIGHTER SURVIVAL                                                   | 0.5   | X     |    |
| 2      | FST 148  | S-190 INTRODUCTION TO WILDLAND FIRE BEHAVIOR                           | 0.25  | X     |    |
| 2      | FST 159  | I-200 BASIC INCIDENT COMMAND SYSTEM (ICS)                              | 0.75  | X     |    |
| 2      | FST 162  | I-300: INTERMEDIATE INCIDENT COMMAND SYSTEM (ICS)                      | 1     | X     |    |
| 2      | FST 163  | I-400: ADVANCED INCIDENT COMMAND SYSTEM (ICS)                          | 0.75  |       |    |
| 2      | FST 248  | COMPANY OFFICER 2D ALL RISK COMMAND OPERATIONS                         | 2     |       |    |
| 2      | FST 159  | I-200 BASIC INCIDENT COMMAND SYSTEM (ICS)                              | 0.75  | X     |    |
| 3      | FST 154  | HAZ MAT TECHNICIAN 1C INCIDENT CONSIDERATIONS                          | 1.75  | X     |    |
| 3      | FST 155  | HAZ MAT TECHNICIAN 1D TACTICAL FIELD OPERATIONS                        | 1.75  | X     |    |
| 3      | FST 157  | HAZ MAT SPECIALIST 1F SPECIALIZED MITIGATION TECHNIQUES                | 1.75  | X     |    |
| 3      | FST 158  | HAZ MAT SPECIALIST 1G TACTICAL FIELD OPERATIONS                        | 1.75  | X     |    |
|        |          |                                                                        |       | X     |    |
| 4      | FST 259  | FIRE INSPECTOR 1C FIELD INSPECTION                                     | 1.25  | X     |    |
| 4      | FST 260  | FIRE INSPECTOR 1D FIELD INSPECTION CALIFORNIA SPECIFIC                 | 0.75  |       |    |
| 4      | FST 240  | FIRE PREVENTION 1 FIRE AND LIFE SAFETY INSPECTIONS FOR COMPANY OFFICER | 1.5   | X     |    |
| 4      | FST 241  | FIRE INVESTIGATION 1A FIRE ORIGIN AND DETERMINATION                    | 2     | X     |    |
| 4      | FST 165  | CONFINED SPACE RESCUE TECHNICIAN                                       | 1     | X     |    |
| TERM 4 |          | TOTAL UNITS                                                            | 30.00 |       |    |

**Narrative Item 4. Master Planning (Not needed for Certificates of Career Preparation)**

This Fire Science Fire Command Certificate of Education provides opportunities for personal and professional growth to a diverse community of students in an academic environment committed to student success. The award of a Fire Science Fire Command Certificate is more than an accumulation of units. It symbolizes a successful attempt on the part of the college to lead students through patterns of learning experiences designed to develop certain capabilities and insights in the fire service world and more specifically, being certified in Fire Command

**Narrative Item 5. Enrollment and Completer Projections (Not needed for Certificates of Career Preparation)**

40 -80 students annually.

**Narrative Item 6. Place of Program in Curriculum/Similar Programs (Not needed for Certificates of Career Preparation)**

Currently all of the required curriculum for this Fire Science Fire Command certificate resides in the course catalog. After properly organizing and categorizing the material, students may now receive recognition through a certificate of achievement that will help them meet criteria for hiring, as well as, promotional opportunities.

**Narrative Item 7. Similar Programs at Other Colleges in Service Area (Not needed for Certificates of Career Preparation)**

There are no other colleges teaching the curriculum in the area; however State Fire Training offers certifications for the attached classes. Please see attached: State Fire Training Algorithm

**LMI and Analysis**

Attached

**Advisory Committee Recommendations (Not needed for Certificates of Career Preparation)**

attached

**Regional Consortia Recommendations (Not needed for Certificates of Career Preparation)**

attached