

FIRE SCIENCE

# PROGRAM REVIEW 08-09

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ONE COLLEGE WAY  
BLYTHE, CA 92225

# EXECUTIVE SUMMARY

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## FIRE SCIENCE

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The Fire Science program provides essential training to persons seeking careers, and career advancement, in firefighting as well as closely related fields such as swift water rescue and hazardous materials handling. Program enrollments are very high, as are successful course completions.

Program managers are currently updating the AS degree and HazMat certificate and have just recently implemented other certificate programs, accounting for the absence of program award information at this time. The program would be greatly enhanced by the addition of vocational counseling services, as well as expected online registration and class delivery resulting from the implementation of Colleague.

Program managers have demonstrated effectiveness in developing and maintaining industry partners to deliver the program at key locations throughout California. The Program Review Committee encourages the program managers to continue to expand industry partnerships and to recruit individual adjunct faculty as well. The Committee also recommends development of a system to measure and evaluate student learning outcomes.

## **PART 1: MISSION**

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### **State the purpose of program.**

The purpose of the Fire Science Program is to provide the first responders of California with the necessary skills to work in their ever-changing environment. Palo Verde College will continue to contract with the most highly skilled educators to provide state-of-the-art Fire Science training in the State of California.

### **Describe how the program supports the overall mission of the College as adopted by the Board of Trustees.**

The Fire Science Program supports the overall mission of the College by providing high quality education to members of the First Responder community. Fire Science courses, in conjunction with industry partnerships; provide lifelong learning opportunities to thousands of students each year.

### **Describe the unique institutional goal the program achieves.**

The Fire Science Program at Palo Verde College provides a unique institutional goal by providing first responders in the State of California educational opportunities that cannot be obtained anywhere else in the state. By working with industry partners, Palo Verde College can offer and deliver first class training at a cost that is affordable to the state's fire service entities.

## **PART 2: ACCOMPLISHMENTS IN ACHIEVING GOALS OUTLINED IN THE PREVIOUS PROGRAM REVIEW**

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### **Describe progress in achieving goals outlined in the previous program review, providing evidence documenting such achievements.**

- New program certificates and degrees are in the process of being implemented.
- E-Learning opportunities are being researched with the newly acquired Title 3 grant.
- Discussions regarding online counseling are being conducted.
- Courses are being updated using the latest State Fire Marshal requirements.

Explain modifications of goals outlined in the previous program review, providing evidence documenting such modifications.

None

### **PART 3: POPULATIONS SERVED**

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Describe the populations served by the program, including special populations.

The Fire Science Program is open to all students meeting course prerequisites in the State of California. By working with industry partners, the program reaches students throughout the state.

Describe other populations that should be served by the program, and describe plans to serve them in the future.

None

### **PART 4: CURRICULUM HISTORY**

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List the courses constituting the program. Of the courses constituting the program, list those courses that have not been successfully offered at least once during the preceding six (6) semesters.

Course Title	Units
FST 102 Introduction to Fire Science	2
FST 103 Fire Investigation I	2
FST 104 Fire Fighting Apparatus	3
FST 130 Fire Tactics and Strategy	3
FST 131 Fire Command 2E Wildland Fire Control I	3
FST 140 Essentials of Firefighting 8.25	8.25
FST 150 HAZ MAT-First Responder Operations	1
FST 151 HAZ MAT-First Responder Awareness	0.5
FST 152 Basic Chemistry	2
FST 153 Applied Chemistry	2
FST 154 Incident Considerations	2
FST 155 Tactical Field Operations	2

FST 157 Specialized Mitigation Techniques, Module F	2
FST 158 Advanced Field Operations, Module G	2
FST 159 Basic ICS	1
FST 161 HAZ-MAT-Incident Command System	1
FST 165 Confined Space Rescue Operations	1
FST 166 Confined Space Rescue Awareness	.5 - 1
FST 167 Confined Space III	0.5
FST 173 Rescue Systems I	1.5
FST 174 Rescue Systems	2
FST 178 Instructor 1A, Instructional Techniques	2
FST 179 Instructor 1B, Instructional Techniques	2
FST 216 Instructor 2A Techniques of Evaluation	2
FST 217 Instructor 2B Group Dynamics & Problem Solving	2
FST 218 Instructor 2C Employing Audiovisual Aids	2
FST 228 Emergency Care of the Sick & Injured	1.5 - 2

**Explain why such courses were not successfully offered. Provide a strategy for improving their success, or explain why they should not be removed from the program.**

All courses have been successfully offered.

## **PART 5: COURSE SCHEDULING AND AVAILABILITY**

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**Describe how effectively the scheduling process of classes in the program:**

**Optimizes class availability for day students, evening students and distance education students.**

With the help of our industry partners, courses for the Fire Science Program are scheduled and delivered on an as-needed basis and are delivered at times that meet the needs of our students. Fire Science courses are scheduled and delivered at fire training locations throughout the State of California.

**Optimizes student learning.**

The Fire Science courses are delivered in state of the art training centers using the latest fire training aids and equipment. Many of the training aids are developed by the State Fire Marshal.

## **PART 6: STUDENT LEARNING OUTCOMES**

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**Describe the process by which the program identifies, measures and evaluates student learning outcomes at the course, program and degree levels, and provide evidence that this process is being followed.**

The program follows the SLO requirements of the State Fire Marshal. At this time no procedures are in place to evaluate them at the course, program and degree levels.

**Describe the process by which program improvements are made, and provide evidence that this process is being followed.**

See above

## **PART 7: PROGRAM AND COURSE COVERAGE**

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**Describe how effectively courses in the program are covered by:**

**Full-time Faculty; Part-time (adjunct)**

The faculty for the Fire Science Program is comprised primarily of contracted educators which are subject matter experts in their specialty. Palo Verde College and its industry partners are always looking to expand the pool of adjunct instructors. State Fire Marshall approved instructors are one of the requirements.

**Describe ongoing or projected deficiencies in faculty coverage of courses in the program.**

Additional State Fire Marshal approved instructors are needed in the Palo Verde College service area.

**Describe plans to improve program and course coverage, if applicable.**

Subject matter experts are always needed due to the very specialized topics presented in the coursework. The Fire Science Advisory Committee members are the primary source of future instructors.

## PART 8: PROFESSIONAL DEVELOPMENT

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**Describe specific professional development activities in which faculty members in the program participate, and explain how such activities benefit or enhance the program and support and facilitate student learning outcomes.**

The contracted faculty members of the Fire Science Program continually participate in professional development activities.

The highly-skilled instructors in the Fire Science Program participate in state-funded first responder training as well as industry related seminars and activities. Instructors also participate in many train-the-trainer events. Many skilled occupations require recurrent training, and the Fire Science industry is no exception.

The Fire Science faculty support and facilitate student learning outcomes by closely monitoring the changes and needs set forth by the State Fire Marshal.

**Describe areas of unmet professional development needs among faculty in the program, if applicable, and outline plans to address those needs.**

There are no areas of unmet professional development needs.

## PART 9: STUDENT PERFORMANCE AND COMPLETION

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**Display and comment on semester-by-semester course completions in the program over the preceding six (6) semesters. (Course completion rate = A, B, C, D, or CR divided by A, B, C, D, F, CR, NC, W, MW, IP)**

SUMMER 2007 - 2008								
Course	Section	Course Title	Units	Hours	Start Date	End Date	Year	Enrollment
FST 080	01	FIREFIGHTER BASIC SKILLS	0.50	80	1/15	5/30	2008	28
FST 080	02	FIREFIGHTER BASIC SKILLS	0.50	80	6/9	7/18	2008	124
FST 080	03	FIREFIGHTER BASIC SKILLS	0.50	80	6/9	7/18	2008	55
FST 080	04	FIREFIGHTER BASIC SKILLS	0.50	80	6/9	7/18	2008	30
FST 080	05	FIREFIGHTER BASIC SKILLS	0.50	80	6/9	7/18	2008	55
FST 080	06	FIREFIGHTER BASIC SKILLS	0.50	80	6/9	7/18	2008	60
FST 080	07	FIREFIGHTER BASIC SKILLS	0.50	80	6/9	7/18	2008	76
FST 080	09	FIREFIGHTER BASIC SKILLS	0.50	46.13	6/9	7/18	2008	24
FST 080	08	FIREFIGHTER BASIC SKILLS	0.50	31.2	6/9	7/18	2008	20
FST 134	01	BASIC WILDLAND FIREFIGHTER ACADEMY	2.00	67	6/9	6/18	2008	11

FST 155	01	TACTICAL FIELD OPERATIONS	2.00	40	6/2	6/6	2008	32
FST 158	01	ADVANCED FIELD OPERATIONS	2.00	40	6/2	6/6	2008	30
FST 174	01	RESCUE SYSTEMS II	2.00	40	6/9	6/13	2008	39
FST 179	01	INSTRUCTOR 1B	2.00	40	6/16	6/25	2008	16
FST 186	01	FIRE MANAGEMENT 2C M2C	2.00	40	6/2	6/6	2008	12
FST 195	01	FIRE MANAGEMENT 2B	1.50	40	7/14	7/18	2008	16
FST 203	01	FIRE COMMAND 2D	1.50	40	5/30	6/14	2008	10
FST 205	01	FIRE INVESTIGATION I	2.00	40	7/14	7/18	2008	14
FST 222	01	HAZ MAT INDUSTRY TECH II	2.00	40	7/7	7/11	2008	16
FST 232	01	FIRE PREVENTION 1B	2.00	40	6/2	6/6	2008	18
FST 233	01	FIRE PREVENTION 1C	2.00	40	6/9	6/13	2008	14
FST 233	02	FIRE PREVENTION 1C	2.00	40	7/7	7/11	2008	13
FST 250	01	HAZ MAT TECHN/SPECIALIST REFRESHER I	0.25	8	6/9	6/26	2008	64
FST 290	01	ST: FIRE MANAGEMENT 2D	2.00	40	6/9	6/13	2008	10
FST 290	03	CERT TRAINING	0.50	18	6/24	7/26	2008	34
FST 290	02	ST: FIRE MANAGEMENT 2E	2.00	40	7/14	7/18	2008	10
SPRING 2007 - 2008								
Course	Section	Course Title	Units	Hours	Start Date	End Date	Year	Enrollment
FST 080	01	FIREFIGHTER BASIC SKILLS	0.50	80	1/15	5/30	2008	64
FST 080	02	FIREFIGHTER BASIC SKILLS	0.50	80	1/15	5/30	2008	64
FST 080	03	FIREFIGHTER BASIC SKILLS	0.50	80	1/15	5/30	2008	20
FST 080	04	FIREFIGHTER BASIC SKILLS	0.50	80	1/15	5/30	2008	30
FST 080	05	FIREFIGHTER BASIC SKILLS	0.50	80	1/15	5/30	2008	167
FST 080	06	FIREFIGHTER BASIC SKILLS	0.50	80	1/15	5/30	2008	64
FST 080	07	FIREFIGHTER BASIC SKILLS	0.50	80	1/15	5/30	2008	81
FST 105	01	INTRODUCTION TO RESCUE SYSTEMS	0.25	16	3/4	3/5	2008	26
FST 106	01	AUTO EXTRICATION	0.50	16	4/1	4/2	2008	26
FST 120	01	FIREFIGHTER SAFETY & SURVIVAL	0.50	16	2/28	2/29	2008	26
FST 124	01	FIRE CONTROL 3	0.50	9	3/1	3/1	2008	26
FST 133	01	INTRODUCTION TO WILDLAND FIRE BEHAVIOR	0.50	8	2/25	2/25	2008	26
FST 134	01	BASIC WILDLAND FIREFIGHTER ACADEMY	2.00	67	4/7	4/14	2008	26
FST 140	01	ESSENTIALS OF FIREFIGHTING	8.25	253	2/8	5/3	2008	26
FST 151	01	HAZ MAT - FIRST RESPONDER AWARENESS	0.50	8	3/10	3/10	2008	26
FST 152	01	BASIC CHEMISTRY	2.00	40	2/25	2/29	2008	28
FST 152	02	BASIC CHEMISTRY	2.00	40	4/21	4/25	2008	37
FST 153	01	APPLIED CHEMISTRY	2.00	40	3/3	3/7	2008	28
FST 153	02	APPLIED CHEMISTRY	1.50	40	5/5	5/9	2008	37
FST 154	01	INCIDENT CONSIDERATIONS	2.00	40	3/24	3/28	2008	31
FST 154	02	INCIDENT CONSIDERATIONS	2.00	40	5/19	5/23	2008	35
FST 155	01	TACTICAL FIELD OPERATIONS	2.00	40	3/31	4/4	2008	32
FST 157	01	SPECIALIZED MITIGATION TECHNIQUES	2.00	40	1/28	2/1	2008	21
FST 157	02	SPECIALIZED MITIGATION TECHNIQUES	2.00	40	4/14	4/18	2008	26
FST 157	03	SPECIALIZED MITIGATION TECHNIQUES	2.00	40	5/5	5/9	2008	12
FST 157	04	SPECIALIZED MITIGATION TECHNIQUES	2.00	40	5/26	5/30	2008	13
FST 157	05	SPECIALIZED MITIGATION TECHNIQUES	2.00	40	5/19	5/23	2008	30
FST 158	01	ADVANCED FIELD OPERATIONS	2.00	40	2/4	2/8	2008	21
FST 158	02	ADVANCED FIELD OPERATIONS	2.00	40	4/21	4/25	2008	26
FST 158	03	ADVANCED FIELD OPERATIONS	2.00	40	5/12	5/16	2008	12
FST 159	01	IS-200 BASIC INCIDENT COMMAND SYSTEM (ICS)	1.00	16	3/27	3/28	2008	26
FST 165	01	CONFINED SPACE I	1.00	40	3/3	3/7	2008	38
FST 173	01	RESCUE SYSTEMS I	1.50	40	3/17	3/21	2008	29
FST 173	02	RESCUE SYSTEMS I	1.50	40	5/12	5/16	2008	26
FST 174	01	RESCUE SYSTEMS II	2.00	40	4/21	4/25	2008	41
FST 178	01	INSTRUCTOR 1A	2.00	40	5/19	5/30	2008	20
FST 179	02	INSTRUCTOR 1B	2.00	40	4/7	4/11	2008	19
FST 179	01	INSTRUCTOR 1B	2.00	40	1/15	5/30	2008	1
FST 182	01	MANAGEMENT I	2.00	40	1/14	1/18	2008	12
FST 186	01	FIRE MANAGEMENT 2C M2C	2.00	40	2/1	2/10	2008	18



FST 186	02	FIRE MANAGEMENT 2C M2C	2.00	40	5/19	5/23	2008	10
FST 194	01	FIRE MANAGEMENT 2A	1.50	40	1/4	1/13	2008	15
FST 194	02	FIRE MANAGEMENT 2A	1.50	40	5/12	5/16	2008	11
FST 195	01	FIRE MANAGEMENT 2B	1.50	40	5/3	5/18	2008	8
FST 197	01	COMMAND 2A, COMMAND TACTICS	2.00	40	3/10	3/14	2008	11
FST 197	02	COMMAND 2A, COMMAND TACTICS	2.00	40	5/12	5/16	2008	10
FST 198	01	FIRE COMMAND 2B	1.50	40	3/10	3/14	2008	14
FST 198	02	FIRE COMMAND 2B	1.50	40	5/5	5/9	2008	13
FST 199	01	FIRE COMMAND 2C	1.50	40	3/10	3/14	2008	8
FST 200	01	FIRE COMMAND I	2.00	40	2/4	2/8	2008	15
FST 201	01	FIRE COMMAND 1B	1.50	40	3/3	3/7	2008	17
FST 204	01	FIRE COMMAND 1C	2.00	40	4/21	4/25	2008	24
FST 204	02	FIRE COMMAND 1C	2.00	40	5/19	5/23	2008	15
FST 205	01	FIRE INVESTIGATION 1A	2.00	40	1/7	1/11	2008	21
FST 205	02	FIRE INVESTIGATION 1A	2.00	40	4/7	4/11	2008	16
FST 213	01	FIRE MANAGEMENT 2E	2.00	40	3/21	3/30	2008	12
FST 222	01	HAZ MAT - INDUSTRY TECH II	2.00	40	1/21	1/25	2008	17
FST 229	02	CERT TRAINING	0.50	18	1/8	2/9	2008	30
FST 229	03	CERT TRAINING	0.50	18	4/24	5/24	2008	41
FST 229	04	CERT TRAINING	0.5	18	4/30	6/7	2008	31
FST 231	01	FIRE PREVENTION 1A	2.00	40	3/3	3/7	2008	11
FST 231	02	FIRE PREVENTION 1A	2.00	40	5/5	5/9	2008	29
FST 231	03	FIRE PREVENTION 1A	2.00	40	5/5	5/9	2008	15
FST 232	01	FIRE PREVENTION 1B	2.00	40	5/19	5/23	2008	19
FST 250	01	HAZ MAT TECH / SPECIALIST REFRESHER I	0.50	8	2/6	2/6	2008	30
FST 290	01	ST: S-330 TASK FORCE/STRIKE TEAM LEADER	1.00	24	1/25	1/27	2008	17
FST 290	02	ST: HAZMAT DECON TRAINING	0.50	8	2/4	2/4	2008	37
FST 290	03	ST: ETHICAL LEADERSHIP IN THE CLASSROOM	0.50	8	2/27	2/27	2008	12
FST 290	04	ST: ADVANCED TECHNICAL SEARCH	2.00	40	4/7	4/11	2008	26
FST 290	05	ST: HAZMAT FRO DECON TRAINING	0.50	8	3/21	3/30	2008	48
FST 290	06	ST: FRO DECON TRAINING	0.50	8	4/23	4/25	2008	49
FST 290	07	ST: FRO DECON TRAINING	0.50	8	5/12	5/16	2008	59

FALL 2007 - 2008

Course	Section	Course Title	Units	Hours	Start Date	End Date	Year	Enrollment
FST 080	01	FIREFIGHTER BASIC SKILLS	0.50	80	7/1	9/30	2007	28
FST 080	02	FIREFIGHTER BASIC SKILLS	0.50	80	10/1	12/21	2007	35
FST 080	03	FIREFIGHTER BASIC SKILLS	0.50	6527	8/21	12/21	2007	70
FST 080	04	FIREFIGHTER BASIC SKILLS	0.50	11355	8/21	12/21	2007	159
FST 080	05	FIREFIGHTER BASIC SKILLS	0.50	7293.25	8/21	12/21	2007	60
FST 080	06	FIREFIGHTER BASIC SKILLS	0.50	7564.25	8/21	12/21	2007	67
FST 080	07	FIREFIGHTER BASIC SKILLS	0.50	2152.5	8/21	12/21	2007	21
FST 080	08	FIREFIGHTER BASIC SKILLS	0.50	3439.5	8/21	12/21	2007	29
FST 080	09	FIREFIGHTER BASIC SKILLS	0.50	7028.75	8/21	12/21	2007	73
FST 105	01	INTRODUCTION TO RESCUE SYSTEMS	0.25	16	10/11	10/12	2007	16
FST 106	01	AUTO EXTRICATION	0.50	18	7/23	7/24	2007	13
FST 106	02	AUTO EXTRICATION	0.50	18	11/12	11/13	2007	16
FST 110	01	SWIFTWATER RESCUE TECHNICIAN I	1.00	30	9/10	9/12	2007	23
FST 110	02	SWIFTWATER RESCUE TECHNICIAN I	1.00	30	9/17	9/19	2007	20
FST 110	03	SWIFTWATER RESCUE TECHNICIAN I	1.00	30	10/1	10/3	2007	18
FST 110	04	SWIFTWATER RESCUE TECHNICIAN I	1.00	30	10/15	10/17	2007	18
FST 111	01	SWIFTWATER RESCUE TECHNICIAN II	0.75	20	9/13	9/14	2007	18
FST 111	02	SWIFTWATER RESCUE TECHNICIAN II	0.75	20	10/1	10/3	2007	20
FST 111	03	SWIFTWATER RESCUE TECHNICIAN II	0.75	20	10/4	10/5	2007	18
FST 111	04	SWIFTWATER RESCUE TECHNICIAN II	0.75	20	10/18	10/19	2007	18
FST 120	01	FIREFIGHTER SAFETY AND SURVIVAL	0.50	16	8/2	8/3	2007	13
FST 120	02	FIREFIGHTER SAFETY AND SURVIVAL	0.50	16	9/21	9/22	2007	16
FST 124	01	FIRE CONTROL 3	0.25	9	7/21	7/21	2007	13
FST 124	02	FIRE CONTROL 3	0.50	9	9/27	9/27	2007	16

FST 133	01	INTRODUCTION TO WILDLAND FIRE BEHAVIOR	0.50	8	8/1	8/1	2007	13
FST 133	02	INTRODUCTION TO WILDLAND FIRE BEHAVIOR	0.50	8	9/25	9/25	2007	16
FST 134	01	BASIC WILDLAND FIREFIGHTER ACADEMY	2.00	67	7/17	7/23	2007	13
FST 134	02	BASIC WILDLAND FIREFIGHTER ACADEMY	2.00	67	11/14	11/23	2007	16
FST 140	01	ESSENTIALS OF FIREFIGHTING	12.00	390	5/29	8/4	2007	13
FST 140	02	ESSENTIALS OF FIREFIGHTING	12.00	390	9/17	12/8	2007	16
FST 151	01	HAZ MAT - FIRST RESPONDER AWARENESS	0.50	9	10/22	10/22	2007	16
FST 152	01	BASIC CHEMISTRY	2.00	40	10/1	10/5	2007	25
FST 152	02	BASIC CHEMISTRY	2.00	40	10/29	11/2	2007	31
FST 153	01	APPLIED CHEMISTRY	1.50	40	10/15	10/19	2007	26
FST 153	02	APPLIED CHEMISTRY	1.50	40	11/12	11/16	2007	31
FST 154	01	INCIDENT CONSIDERATIONS	2.00	40	11/5	11/9	2007	25
FST 154	02	INCIDENT CONSIDERATIONS	2.00	40	12/10	12/14	2007	31
FST 155	01	TACTICAL FIELD OPERATIONS	2.00	40	11/26	11/30	2007	26
FST 157	01	SPECIALIZED MITIGATION TECHNIQUES	1.50	40	11/5	11/9	2007	14
FST 158	01	ADVANCED FIELD OPERATIONS	1.50	40	11/12	11/16	2007	14
FST 159	01	BASIC ICS	0.50	16	7/30	7/31	2007	13
FST 159	02	BASIC ICS	0.50	16	12/3	12/4	2007	16
FST 162	01	HAZ MAT - INCIDENT COMMAND SYSTEMS II	1.50	27	8/6	8/9	2007	22
FST 173	01	RESCUE SYSTEMS I	1.50	40	8/20	8/24	2007	39
FST 173	02	RESCUE SYSTEMS I	1.50	40	10/1	10/5	2007	33
FST 173	03	RESCUE SYSTEMS I	1.50	40	12/3	12/7	2007	40
FST 174	01	RESCUE SYSTEMS II	2.00	40	9/10	9/14	2007	24
FST 174	02	RESCUE SYSTEMS II	2.00	40	11/5	11/9	2007	38
FST 175	01	LOW TO HIGH ANGLE TECHNICAL ROPE RESCUE	1.50	24	9/26	9/28	2007	9
FST 178	02	INSTRUCTOR 1A, INSTRUCTIONAL TECHNIQUES	2.00	40	10/15	10/24	2007	21
FST 178	03	INSTRUCTOR 1A, INSTRUCTIONAL TECHNIQUES	2.00	40	11/12	11/19	2007	24
FST 179	01	INSTRUCTOR 1B, INSTRUCTIONAL TECHNIQUES	2.00	40	11/26	12/5	2007	16
FST 182	01	MANAGEMENT I	2.00	40	12/3	12/7	2007	16
FST 186	01	FIRE MANAGEMENT 2C	2.00	40	9/24	9/28	2007	20
FST 199	01	FIRE COMMAND 2C	1.50	40	9/24	9/28	2007	20
FST 201	01	FIRE COMMAND 1B	1.50	40	10/1	10/5	2007	13
FST 202	01	FIRE COMMAND M2E	2.00	40	11/2	11/11	2007	22
FST 205	01	FIRE INVESTIGATION I	2.00	40	8/13	8/17	2007	8
FST 229	01	CERT COMMUNITY EMERGENCY RESPONSE TEAM	0.50	20	12/1	12/8	2007	12
FST 234	01	FIRE PREVENTION 2A	2.00	40	8/20	8/24	2007	10
FST 235	01	FIRE PREVENTION 2B	2.00	40	9/17	9/21	2007	7
FST 237	01	FIRE PREVENTION 3A	2.00	40	11/12	11/16	2007	7
FST 238	01	FIRE PREVENTION 3B	2.00	40	12/3	12/7	2007	5
FST 250	01	HAZ MAT - TECHNICIAN SPECIALIST REFRESHER I	0.50	8	12/10	12/13	2007	174
FST 250	02	HAZ MAT - TECHNICIAN SPECIALIST REFRESHER I	0.50	8	12/11	12/12	2007	22
FST 251	01	HAZ MAT - TECHNICIAN SPECIALIST REFRESHER II	1.00	27	7/11	11/7	2007	28
FST 290	01	ST: CERT TRAINING	0.50	18	7/11	8/11	2007	23
FST 290	02	ST: CERT TRAINING	0.50	18	7/18	8/18	2007	38
FST 290	03	ST: PFP ASSESSMENT CENTER WORKSHOP	2.00	40	9/17	9/21	2007	7
FST 290	04	ST: PFP FIREFIGHTING STRATEGY & TACTICS	1.00	24	10/3	10/5	2007	6
FST 290	05	ST: CERT TRAINING	0.50	18	9/26	10/27	2007	30
FST 290	06	ST: CERT TRAINING	0.50	18	8/30	10/6	2007	28
FST 290	07	ST: CERT TRAINING	0.50	18	10/9	11/10	2007	34
FST 290	08	ST: HAZMAT REFRESHER TRAINING	0.50	16	11/12	11/17	2007	104
FST 290	09	ST: FIRE MANAGEMENT 2E	2.00	40	11/26	11/30	2007	28
FST 290	A	ST: WMD THREAT & RISK ASSESSMENT TRNG.	1.00	24	11/27	11/29	2007	17
FST 290	B	ST: FIRE MANAGEMENT 2D	2.00	40	11/30	12/9	2007	9
FST 290	C	ST: FIRE MANAGEMENT 2D	2.00	40	12/17	12/21	2007	19
SUMMER 2006 -2007								
Course	Section	Course Title	Units	Hours	Start Date	End Date	Year	Enrollment
FST 162	01	HAZ MAT - INCIDENT COMMAND SYSTEMS II	1.50	27	7/9	7/11	2007	12
FST 163	01	HAZ MAT - INCIDENT COMMAND SYSTEMS III	1.00	18	7/12	7/13	2007	12

FST 237	01	FIRE PREVENTION 3A	2.00	40	6/18	6/22	2007	14
FST 238	01	FIRE PREVENTION 3B	2.00	40	7/9	7/13	2007	15
FST 080	07	FIREFIGHTER BASIC SKILLS	0.50	80	6/11	7/20	2007	135
FST 080	04	FIREFIGHTER BASIC SKILLS	0.50	80	6/11	7/20	2007	28
FST 205	01	FIRE INVESTIGATION I	2.00	40	7/9	7/13	2007	22
FST 233	01	FIRE PREVENTION 1C	2.00	40	6/11	6/15	2007	14
FST 290	01	ST: PFP FIREFIGHTING STRATEGY & TACTICS	1.00	24	6/12	6/14	2007	8
FST 290	06	ST: FIRE MANAGEMENT 2D	2.00	40	7/16	7/20	2007	13
FST 080	05	FIREFIGHTER BASIC SKILLS	0.50	80	6/11	7/20	2007	65
FST 153	01	APPLIED CHEMISTRY	2.00	40	6/4	6/8	2007	32
FST 154	01	INCIDENT CONSIDERATIONS	2.00	40	6/11	6/15	2007	31
FST 155	01	TACTICAL FIELD OPERATIONS	2.00	40	6/25	6/29	2007	31
FST 158	01	ADVANCED FIELD OPERATIONS	1.50	40	6/11	6/15	2007	20
FST 080	06	FIREFIGHTER BASIC SKILLS	0.50	80	6/11	7/20	2007	64
FST 290	05	ST: CERT TRAINING	0.50	18	6/5	7/7	2007	30
FST 197	01	FIRE COMMAND 2A	2.00	40	6/8	6/17	2007	12
FST 140	01	ESSENTIALS OF FIREFIGHTING	12.00	390	2/24	7/7	2007	10
FST 105	01	INTRODUCTION TO RESCUE SYSTEMS	0.50	16	6/26	6/27	2007	13
FST 151	01	HAZ MAT - FIRST RESPONDER AWARENESS	0.50	9	7/3	7/3	2007	13
SPRING 2006 - 2007								
Course	Section	Course Title	Units	Hours	Start Date	End Date	Year	Enrollment
FST 080	01	FIREFIGHTER BASIC SKILLS	0.50	80	1/1	3/31	2007	30
FST 080	02	FIREFIGHTER BASIC SKILLS	0.50	80	1/17	6/1	2007	68
FST 080	03	FIREFIGHTER BASIC SKILLS	0.50	80	1/17	6/1	2007	29
FST 080	04	FIREFIGHTER BASIC SKILLS	0.50	80	1/17	6/1	2007	24
FST 080	05	FIREFIGHTER BASIC SKILLS	0.50	80	1/17	6/1	2007	72
FST 080	06	FIREFIGHTER BASIC SKILLS	0.50	80	1/17	6/1	2007	63
FST 080	07	FIREFIGHTER BASIC SKILLS	0.50	80	1/17	6/1	2007	151
FST 080	08	FIREFIGHTER BASIC SKILLS	0.50	80	1/17	6/1	2007	82
FST 086	01	FIRE EXPLORER ACADEMY	2.00	54	12/17	1/8	2007	11
FST 105	01	INTRODUCTION TO RESCUE SYSTEMS	0.25	16	3/5	3/6	2007	38
FST 106	01	AUTO EXTRICATION	0.50	18	4/2	4/3	2007	18
FST 106	02	AUTO EXTRICATION	0.50	18	4/2	4/3	2007	20
FST 120	01	FIREFIGHTER SAFETY AND SURVIVAL	0.50	16	2/9	2/10	2007	38
FST 133	01	INTRODUCTION TO WILDLAND FIRE BEHAVIOR	0.50	8	2/14	2/14	2007	38
FST 140	01	ESSENTIALS OF FIREFIGHTING	12.00	390	2/5	4/28	2007	38
FST 150	02	HAZ MAT - FIRST RESPONDER OPERATIONS	1.00	24	4/9	4/11	2007	12
FST 151	01	HAZ MAT - FIRST RESPONDER AWARENESS	0.50	9	3/12	3/12	2007	38
FST 152	01	BASIC CHEMISTRY	2.00	40	2/26	3/2	2007	26
FST 152	02	BASIC CHEMISTRY	2.00	40	4/2	4/6	2007	32
FST 152	03	BASIC CHEMISTRY	2.00	40	5/15	5/18	2007	33
FST 153	01	APPLIED CHEMISTRY	2.00	40	3/12	3/16	2007	26
FST 153	02	APPLIED CHEMISTRY	1.50	40	4/23	4/27	2007	32
FST 154	01	INCIDENT CONSIDERATIONS	2.00	40	2/12	2/16	2007	15
FST 154	02	INCIDENT CONSIDERATIONS	2.00	40	3/26	3/30	2007	22
FST 154	03	INCIDENT CONSIDERATIONS	2.00	40	5/7	5/11	2007	31
FST 155	01	TACTICAL FIELD OPERATIONS	2.00	40	2/19	2/23	2007	15
FST 155	02	TACTICAL FIELD OPERATIONS	2.00	40	4/9	4/13	2007	22
FST 155	03	TACTICAL FIELD OPERATIONS	2.00	40	5/21	5/25	2007	30
FST 157	01	SPECIALIZED MITIGATION TECHNIQUES	1.50	40	2/26	3/2	2007	38
FST 157	02	SPECIALIZED MITIGATION TECHNIQUES	1.50	40	4/9	4/13	2007	13
FST 157	03	SPECIALIZED MITIGATION TECHNIQUES	1.50	40	5/21	5/25	2007	20
FST 158	01	ADVANCED FIELD OPERATIONS	1.50	40	3/12	3/16	2007	37
FST 158	02	ADVANCED FIELD OPERATIONS	1.50	40	4/23	4/27	2007	13
FST 159	01	BASIC ICS	1.00	16	4/9	4/10	2007	38
FST 162	01	HAZ MAT - INCIDENT COMMAND SYSTEMS II	1.50	27	3/4	3/6	2007	8
FST 162	02	HAZ MAT - INCIDENT COMMAND SYSTEMS II	1.50	27	3/7	3/9	2007	22
FST 162	03	HAZ MAT - INCIDENT COMMAND SYSTEMS II	1.50	27	4/3	4/5	2007	29

FST 163	01	HAZ MAT - INCIDENT COMMAND SYSTEMS II	1.00	18	5/7	5/9	2007	12
FST 163	02	HAZ MAT - INCIDENT COMMAND SYSTEMS II	1.00	18	5/10	5/12	2007	9
FST 173	01	RESCUE SYSTEMS I	1.50	40	4/2	4/6	2007	34
FST 174	01	RESCUE SYSTEMS II	2.00	40	5/7	5/11	2007	40
FST 179	01	INSTRUCTOR 1B. INSTRUCTIONAL TECHNIQUES	2.00	40	1/15	1/19	2007	43
FST 182	01	MANAGEMENT I	2.00	40	1/22	1/26	2007	17
FST 182	02	MANAGEMENT I	2.00	40	5/14	5/18	2007	22
FST 190	01	FIRE PREVENTION I	2.00	40	3/19	3/23	2007	35
FST 194	01	FIRE MANAGEMENT 2A	1.50	40	4/27	5/4	2007	24
FST 194	02	FIRE MANAGEMENT 2A	1.50	40	4/30	5/4	2007	23
FST 195	01	FIRE MANAGEMENT 2B	1.50	40	5/14	5/18	2007	15
FST 195	02	FIRE MANAGEMENT 2B	1.50	40	5/17	5/21	2007	10
FST 197	01	FIRE COMMAND 2A	2.00	40	1/8	1/12	2007	9
FST 198	01	FIRE COMMAND 2B	1.50	40	2/12	2/16	2007	20
FST 198	02	FIRE COMMAND 2B	1.50	40	3/23	4/1	2007	12
FST 199	01	FIRE COMMAND 2C	1.50	40	3/19	3/23	2007	20
FST 200	01	FIRE COMMAND I	2.00	40	2/5	2/9	2007	19
FST 201	01	FIRE COMMAND II/COMMAND 1B, HAZ MAT	1.50	40	3/5	3/9	2007	22
FST 203	01	FIRE COMMAND 2D	1.50	40	4/16	4/20	2007	22
FST 204	01	FIRE COMMAND 1C	2.00	40	4/23	4/27	2007	26
FST 205	01	FIRE INVESTIGATION I	2.00	40	2/19	2/23	2007	22
FST 205	02	FIRE INVESTIGATION I	2.00	40	5/28	6/1	2007	10
FST 210	01	STRIKE TEAM LEADER S-330	1.50	24	2/26	3/1	2007	18
FST 231	01	FIRE PREVENTION 1A	2.00	40	5/7	5/11	2007	26
FST 232	01	FIRE PREVENTION 1B	2.00	40	4/16	4/20	2007	36
FST 232	02	FIRE PREVENTION 1B	2.00	40	5/21	5/25	2007	25
FST 251	01	HAZMAT TECH/SPECIALIST REFRESHER II	1.00	27	2/6	2/8	2007	30
FST 290	01	ST: FIRE MANAGEMENT 2E	2.00	40	2/23	3/3	2007	17
FST 290	02	ST: PREP FOR PROMOTION ASSESSMENT CENTER	2.00	40	4/16	4/20	2007	15
FST 290	03	ST: CERT TRAINING	0.50	18	1/25	2/24	2007	32
FST 290	04	ST: CERT TRAINING	0.50	18	1/17	2/24	2007	37
FST 290	05	ST: CERT TRAINING	0.50	18	3/8	4/7	2007	29
FST 290	06	ST: ETHICAL LEADERSHIP IN THE CLASSROOM	0.25	8	5/31	5/31	2007	28
FST 290	07	ST: CERT TRAINING	0.50	18	4/24	5/26	2007	33
FST 290	08	ST: CERT TRAINING	0.50	18	4/18	5/19	2007	35

FALL 2006 - 2007

Course	Section	Course Title	Units	Hours	Start Date	End Date	Year	Enrollment
FST 080	01	FIREFIGHTER BASIC SKILLS	0.50	80	7/1	9/30	2006	30
FST 080	02	FIREFIGHTER BASIC SKILLS	0.50	80	10/1	12/22	2006	31
FST 080	03	FIREFIGHTER BASIC SKILLS	0.50	80	8/22	12/22	2006	62
FST 080	08	FIREFIGHTER BASIC SKILLS	0.50	80	8/22	12/22	2006	85
FST 080	07	FIREFIGHTER BASIC SKILLS	0.50	80	8/22	12/22	2006	40
FST 080	A	FIREFIGHTER BASIC SKILLS	0.50	80	8/22	12/22	2006	22
FST 080	09	FIREFIGHTER BASIC SKILLS	0.50	80	8/22	12/22	2006	161
FST 080	06	FIREFIGHTER BASIC SKILLS	0.50	80	8/22	12/22	2006	29
FST 080	04	FIREFIGHTER BASIC SKILLS	0.50	80	8/22	12/22	2006	71
FST 080	05	FIREFIGHTER BASIC SKILLS	0.50	80	8/22	12/22	2006	72
FST 080	B	FIREFIGHTER BASIC SKILLS	0.50	80	6/3	12/23	2006	60
FST 105	01	INTRODUCTION TO RESCUE SYSTEMS	0.50	16	8/15	8/16	2006	25
FST 106	01	AUTO EXTRICATION	0.50	18	8/21	8/23	2006	25
FST 110	01	SWIFTWATER RESCUE TECHNICIAN I	1.00	30	9/11	9/13	2006	17
FST 110	02	SWIFTWATER RESCUE TECHNICIAN I	1.00	30	9/18	9/20	2006	16
FST 110	03	SWIFTWATER RESCUE TECHNICIAN I	1.00	30	10/2	10/4	2006	13
FST 110	04	SWIFTWATER RESCUE TECHNICIAN I	1.00	30	10/9	10/11	2006	11
FST 111	01	SWIFTWATER RESCUE TECHNICIAN II	0.75	20	9/14	9/15	2006	17
FST 111	02	SWIFTWATER RESCUE TECHNICIAN II	0.75	20	9/21	9/22	2006	18
FST 111	03	SWIFTWATER RESCUE TECHNICIAN II	0.75	20	10/5	10/6	2006	17
FST 111	04	SWIFTWATER RESCUE TECHNICIAN II	0.75	20	10/12	10/13	2006	24

FST 120	01	FIREFIGHTER SAFETY AND SURVIVAL	0.50	16	8/24	8/25	2006	25
FST 133	01	INTRODUCTION TO WILDLAND FIRE BEHAVIOR	0.50	8	8/19	8/19	2006	25
FST 134	01	BASIC WILDLAND FIREFIGHTER ACADEMY	2.00	67	9/5	9/12	2006	25
FST 140	02	ESSENTIALS OF FIREFIGHTING	12.00	390	8/12	12/22	2006	13
FST 140	01	ESSENTIALS OF FIREFIGHTING	12.00	390	7/10	9/23	2006	25
FST 151	01	HAZ MAT FIRST RESPONDER AWARENESS	0.50	9	9/13	9/13	2006	25
FST 152	01	BASIC CHEMISTRY	2.00	40	9/18	9/22	2006	35
FST 152	03	BASIC CHEMISTRY	2.00	40	9/25	9/29	2006	10
FST 152	02	BASIC CHEMISTRY	2.00	40	10/16	10/20	2006	17
FST 153	01	APPLIED CHEMISTRY	1.50	40	9/25	9/29	2006	34
FST 153	03	APPLIED CHEMISTRY	1.50	40	10/9	10/13	2006	10
FST 153	02	APPLIED CHEMISTRY	1.50	40	10/23	10/27	2006	17
FST 154	01	INCIDENT CONSIDERATIONS	2.00	40	10/9	10/13	2006	32
FST 154	02	INCIDENT CONSIDERATIONS	2.00	40	11/6	11/10	2006	10
FST 155	01	TACTICAL FIELD OPERATIONS	2.00	40	10/23	10/27	2006	31
FST 155	02	TACTICAL FIELD OPERATIONS	2.00	40	11/13	11/17	2006	10
FST 157	02	SPECIALIZED MITIGATION TECHNIQUES	1.50	40	9/11	9/15	2006	13
FST 157	01	SPECIALIZED MITIGATION TECHNIQUES	1.50	40	8/21	8/24	2006	23
FST 157	03	SPECIALIZED MITIGATION TECHNIQUES	1.50	40	9/18	9/22	2006	36
FST 157	04	SPECIALIZED MITIGATION TECHNIQUES	1.50	40	10/23	10/27	2006	28
FST 157	05	SPECIALIZED MITIGATION TECHNIQUES	1.50	40	12/4	12/8	2006	23
FST 158	02	ADVANCED FIELD OPERATIONS	1.50	40	9/18	9/22	2006	13
FST 158	01	ADVANCED FIELD OPERATIONS	1.50	40	8/28	8/31	2006	23
FST 158	03	ADVANCED FIELD OPERATIONS	1.50	40	9/25	9/29	2006	36
FST 158	04	ADVANCED FIELD OPERATIONS	1.50	40	10/30	11/3	2006	28
FST 158	05	ADVANCED FIELD OPERATIONS	1.50	40	12/11	12/15	2006	23
FST 159	01	BASIC ICS	1.50	16	7/24	7/25	2006	25
FST 162	01	HAZ MAT - INCIDENT COMMAND SYSTEMS II	1.50	27	7/31	8/2	2006	17
FST 164	01	HAZ MAT INCIDENT COMMAND SYSTEMS REFRESHER	0.50	9	9/20	9/20	2006	20
FST 164	02	HAZ MAT INCIDENT COMMAND SYSTEMS REFRESHER	0.50	9	9/18	9/18	2006	9
FST 173	01	RESCUE SYSTEMS I	1.50	40	8/28	9/1	2006	27
FST 173	02	RESCUE SYSTEMS I	1.50	40	11/6	11/10	2006	22
FST 174	01	RESCUE SYSTEMS II	2.00	40	8/21	8/25	2006	28
FST 174	02	RESCUE SYSTEMS II	2.00	40	9/18	9/22	2006	43
FST 174	03	RESCUE SYSTEMS II	2.00	40	9/25	9/29	2006	39
FST 174	04	RESCUE SYSTEMS II	2.00	40	10/9	10/13	2006	45
FST 174	05	RESCUE SYSTEMS II	2.00	40	10/23	10/27	2006	47
FST 174	06	RESCUE SYSTEMS II	2.00	40	11/27	12/1	2006	33
FST 178	01	INSTRUCTOR 1A, INSTRUCTIONAL TECHNIQUES	2.00	40	12/4	12/8	2006	45
FST 186	01	FIRE MANAGEMENT 2C M2C	2.00	40	12/11	12/15	2006	33
FST 190	01	FIRE PREVENTION I	2.00	40	10/16	10/20	2006	30
FST 191	01	FIRE PREVENTION II	2.00	40	9/18	9/22	2006	9
FST 191	02	FIRE PREVENTION II	2.00	40	10/16	10/20	2006	6
FST 195	01	FIRE MANAGEMENT 2B	1.50	40	11/10	11/18	2006	24
FST 200	01	FIRE COMMAND I	2.00	40	9/11	9/15	2006	23
FST 200	02	FIRE COMMAND I	2.00	40	10/9	10/13	2006	27
FST 201	01	FIRE COMMAND II/COMMAND 1B, HAZ MAT	2.00	40	10/16	10/20	2006	34
FST 204	01	FIRE COMMAND IC	2.00	40	11/13	11/17	2006	20
FST 205	01	FIRE INVESTIGATION I	2.00	40	7/24	7/27	2006	17
FST 205	02	FIRE INVESTIGATION I	2.00	40	8/14	8/18	2006	14
FST 232	01	FIRE PREVENTION 1B	2.00	40	11/13	11/17	2006	34
FST 236	01	FIRE PREVENTION 2C	2.00	40	10/2	10/6	2006	13
FST 237	01	FIRE PREVENTION 3A	2.00	40	11/13	11/17	2006	9
FST 238	01	FIRE PREVENTION 3B	2.00	40	12/11	12/15	2006	10
FST 251	01	HAZ MAT TECH SPECIALIST REFRESHER II	1.00	27	9/12	9/14	2006	19
FST 290	E	ST: STATE FIRE INSTRUCTOR 2B	2.00	40	12/4	12/7	2006	19
FST 290	07	ST: SAFETY OFFICER S-404	1.00	32	10/23	10/25	2006	41
FST 290	08	ST: HAZARDOUS MATERIALS SAFETY TRAINING	0.50	16	10/23	10/24	2006	19

FST 290	A	ST: HAZARDOUS MATERIALS SAFETY TRAINING	0.50	16	10/30	10/31	2006	14
FST 290	C	ST: TRENCH RESCUE	1.00	24	8/6	10/21	2006	76
FST 290	01	ST: ADVANCED TECHNICAL SEARCH	2.00	40	7/31	8/4	2006	28
FST 290	09	ST: MEDICAL SPECIALIST RESCUE	2.00	40	10/23	10/27	2006	46
FST 290	F	ST: ADVANCED TECHNICAL SEARCH	2.00	40	12/4	12/8	2006	25
FST 290	G	ST: FIRE MANAGEMENT 2D	2.00	40	12/1	12/9	2006	24
FST 290	02	ST: FIRE MANAGEMENT 2E	2.00	40	8/14	8/18	2006	9
FST 290	03	ST: FIRE MANAGEMENT 2D	2.00	40	8/21	8/25	2006	13
FST 290	04	ST: PUBLIC EDUCATION I	2.00	40	9/11	9/15	2006	12
FST 290	05	ST: PREPARE FOR PROMOTION - ASSESSMENT CENTER	2.00	40	9/25	9/29	2006	23
FST 290	06	ST: PREPARE FOR PROMOTION - STRATEGY & TACTICS	1.00	24	10/17	10/19	2006	23
FST 290	B	ST: HAZ MAT REFRESHER	0.25	8	10/24	10/25	2006	70
FST 290	H	ST: C.E.R.T. TRAINING	0.50	18	10/26	12/30	2006	38
FST 290	D	ST: HAZ MAT REFRESHER	0.50	16	11/13	11/18	2006	64

**Display and comment on semester-by-semester degree or certificate completions, if applicable.**

The degrees and certificates for the Fire Science Program are currently being developed based on need and value. The current A.S. Degree and Certificate in Haz Mat. have been deemed outdated last year by the advisory committee. The balance of the list was recently developed and is currently awaiting approval. The Fire Science Advisory committee realizes the need for high quality certificates and degrees. Having a counselor to address the lack of completers is also being discussed.

FIRE SCIENCE TECHNOLOGY		
Type	Name	Completed
A.S. DEGREE	HAZARDOUS MATERIALS SPECIALIST	0
CERTIFICATE OF ACHIEVEMENT	HAZARDOUS MATERIALS SPECIALIST	0
CERTIFICATE OF ACHIEVEMENT	FIRE SCIENCE TECHNICIAN	0
CERTIFICATE OF CAREER PREPARATION	FIREFIGHTER I	0
CERTIFICATE OF CAREER PREPARATION	FIRE INSTRUCTOR I	0
CERTIFICATE OF CAREER PREPARATION	FIRE INSTRUCTOR II	0

## **PART 10: ENROLLMENT AND FINANCIAL TRENDS**

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**Display and comment on year-by-year enrollments in the program over the preceding five (5) years.**

The year by year expenses continue to be consistent. During the 2007 fiscal year more emphasis was put on utilizing adjunct faculty as opposed to contract educators.

Display and comment on year-by-year expenses incurred by the program over the preceding five (5) years, as to: supplies, contracts, capital outlay and other non-salary expenses.

	Salaries	Benefits	Supplies	Contracts	Capital	TOTAL			
							FTES	Rate	Income
<b>2007-2008</b>	\$ 73,301.97	\$7,108.45	\$ 281.45	\$789,319.69	\$ -	\$ 870,011.56	473.25	\$4,771.00	\$2,257,875.75
<b>2006-2007</b>	\$ 31,172.72	\$3,395.17	\$ -	\$950,237.51	\$ -	\$ 984,805.40	565.72	\$4,564.00	\$2,581,946.08
<b>2005-2006</b>	\$ 12,841.94	\$1,556.59	\$ -	\$998,784.29	\$ -	\$1,013,182.82	557.68	\$4,367.00	\$2,435,388.56
<b>2004-2005</b>	\$571,655.88	\$3,198.45	\$ -	\$198,593.98	\$ -	\$ 773,448.31	386.91	\$5,509.33	\$2,131,614.87
<b>2003-2004</b>	\$554,410.18	\$2,422.73	\$ -	\$ -	\$ -	\$ 556,832.91	297.97	\$5,106.59	\$1,521,610.62

## **PART 11: FACILITIES AND EQUIPMENT**

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Are current facilities, such as classrooms, offices and equipment, adequate to support the program? Explain.

Yes.

Is available dedicated space adequate to support the program? Explain.

Yes.

Is available equipment adequate to support the program? Explain.

Yes.

Describe plans for future changes in support facilities or equipment.

No further plans.

## **PART 12: STRENGTHS AND WEAKNESSES**

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List and comment on the major strengths of the program.

1. The Fire Science program continues to produce a tremendous income for the college.
2. The Fire Science program continues to serve thousands of students annually.

**List and comment on the major weaknesses of the program.**

The Fire Science Program at Palo Verde College has encountered new challenges which are listed below:

1. Curriculum (SLO'S) changes rapidly
2. Enrollment trend issues
3. District boundaries
4. Counseling needs
5. Distance Learning using a true online environment
6. Lack of completers

## **PART 13: PLANS TO REMEDY WEAKNESSES**

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**Identify specific steps to correct identified weaknesses and provide them timeline by which they are to be corrected.**

1. Curriculum (SLO'S) changes rapidly- A consultant has been hired to continually update the coursework and serves as a liaison with the State Fire Marshal.
2. Enrollment trends throughout the state- As unemployment rises, this weakness should diminish.
3. District boundaries- see answer above.
4. Counseling needs- Discussions are ongoing with no decisions being made at this time.
5. Distance Learning using a true online environment- The implementations of Data-Tel and the Title III grant will address this weakness.
6. Lack of completers- Outdated certificates and degrees are being replaced with up-to-date replacements. See #4.

The program needs to establish an approved adjunct faculty pool to meet the future demands of the program and provide coverage as necessary on an emergency basis.

## **PART 14: PLANS TO ADVANCE THE PROGRAM**

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**Describe other plans that will advance the program.**

A state of the art regional fire training center in the Palo Verde Valley will enhance the program and serve hundreds of firefighters in the Inland Empire annually.