



PALO VERDE COLLEGE

WHERE KNOWLEDGE TAKES ROOT AND OPPORTUNITY GROWS

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Addendum to the 2021-2022 Catalog

This addendum is an integral part of the College's Catalog. The contents of this catalog addendum are provided as an update and/or in addition to the content specified in the 2021-2022 catalog. Effective Spring 2022.

Palo Verde College has made every reasonable effort to determine that everything stated in the academic catalog is accurate. Sometimes changes to the academic catalog are necessary after the date of publication. Courses and programs offered, together with other matters contained herein, are subject to change at the discretion of the college.

OUR MISSION

Palo Verde College provides opportunities for personal and professional growth to a unique community of learners in an academic environment committed to student success, diversity, equity, and inclusion by supporting student achievement of basic skills, certificate, degree, university transfer, and career goals.

Non-Discrimination Policy

Non-Discrimination Policy Palo Verde College complies with all Federal and State rules and regulations and is committed to equal opportunity in educational programs, employment, and all access to institutional programs and activities.

The College, and each individual who represents the College, shall provide access to its services, classes, and programs without regard to national origin, religion, age, gender, race or ethnicity, color, medical condition, genetic information, ancestry, sexual orientation, marital status, physical or mental disability, pregnancy, or because he or she is perceived to have one or more of the foregoing characteristics, or based on association with a person or group with one or more of these actual or perceived characteristics. Harassment of any employee or student with regard to any of the foregoing characteristics is strictly prohibited. In addition, the lack of English language skills will not be a barrier to admission and participation in the college's vocational education programs.

The college's non-discrimination policies are supported by the requirements of titles VI and VII of the Civil Rights Act of 1964, as amended; Title IX of the education amendments of 1972; the Age Discrimination in Employment Act of 1975; sections 503 and 504 of the Rehabilitation Act of 1972, as amended, and the Americans with Disabilities Act.

Inquiries regarding compliance and/or grievance procedures may be directed to the Palo Verde College Affirmative Action Officer in Human Resources.



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WHERE KNOWLEDGE TAKES ROOT AND OPPORTUNITY GROWS COMPLAINT PROCEDURE/DUE PROCESS

The student is encouraged to pursue course work and other college sponsored activities that will promote intellectual growth and personal development. In pursuing these goals, the students should be free of unfair and improper action by any member of the academic community. Occasionally, one or more students will register a complaint. A complaint may pertain to discrimination, the application of policy, schedules, financial aid, treatment by employees, or any other concerns.

The complaint procedures for discrimination (Board Policy 3410) and sexual harassment (Board Policy 3410/Administrative Procedures 3410), both allow more than 10 days from the time of the alleged incident to file a complaint, and neither requires a mandatory informal step. For additional information, or for a copy of the procedures, contact the Affirmative Action Officer in Human Resources or call (760) 921-5478.

Complaints which do not involve allegations of discrimination or sexual harassment (Complaints Concerning employees - Board Policy 3815-PVC/ Administrative Procedures 3815-PVC) must be initiated within ten days of the alleged complaint and evidence of an attempt to informally resolve the matter must be documented before a formal complaint. This procedure may result in a resolution between the two parties thereby avoiding a more formal level of the process. This may prevent the escalation of feelings related to the complaint, and will also help to maintain the privacy of the matter if it remains between the two individuals. For additional information, or for a copy of the procedures for the formal level process, contact the office of the Vice President of Instruction and Student Services.

NON-DISCRIMINATION

GENDER:

Palo Verde College does not allow discrimination on the basis of sexual orientation and gender identity in the educational programs or activities it conducts. Title IX of the Educational Amendments of 1972, as amended, and the administrative regulations adopted therein prohibit discrimination.

DISABLED:

Palo Verde College does not discriminate on the basis of disability and is in compliance with Section 503 and 504 of the Rehabilitation Act of 1972, as amended, and the regulations adopted therein.

AGE, RACE, COLOR, RELIGION, SEX, OR NATIONAL ORIGIN:

Palo Verde College complies with the requirements of Title VI and VII of the Civil Rights Act of 1964, and the Age Discrimination Act of 1975 and the regulations adopted therein. No person shall, on the grounds of age, race, color, religion, sex, ethnicity, national origin, medical condition, genetic information, ancestry, sexual orientation, marital status, physical or mental disability or pregnancy be excluded from participation in, be denied benefits of, or be otherwise subjected to discrimination under, any program of Palo Verde College. Any student who feels discriminated against should contact the Palo Verde College Affirmative Action Officer in Human Resources or call (760) 921-5478.



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The procedures for filing a complaint are identified in Administrative Procedure 3410. Copies of the complaint forms may be obtained in Administrative Services, the Library, and Student Services.

The existence of this local complaint procedure does not preclude the complainant from filing a complaint directly with the Equal Employment Opportunity Commission, the Office of Civil Rights, the Department of Fair Employment and Housing, or the Chancellor's Office of the California Community Colleges.

SEXUAL HARASSMENT

The Palo Verde Community College District recognizes that harassment on the basis of sex is a violation of both Federal and State discrimination laws as well as District Policy. The District is committed to providing all employees, applicants for employment and students with an environment free from sexual harassment, and will not tolerate such conduct on the part of any employee or student (Board Policy 3410).

Such behavior includes, but is not limited to, unwelcome sexual advances and verbal or physical conduct of a sexual nature when: (1) submission to such conduct is made, either explicitly or implicitly, a term or condition of a student's educational progress or an individual's employment; (2) submission to or rejection of such conduct is used as a basis for educational or employment conditions affecting the individuals involved; (3) such conduct has the purpose or effect of unreasonably interfering with one's educational or work performance or creating an intimidating, hostile or offensive educational or work environment; or (4) submission to, or rejection of, the conduct by the individual is used as the basis for any decision affecting the individual regarding benefits, services, honors, programs, or activities available at or through the Palo Verde Community College District.

Any student who feels sexually harassed should contact the Palo Verde College Affirmative Action Officer in Human Resources or call (760) 921-5478.

The procedure for filing a complaint is identified in Administrative Procedure 3410. Copies of the complaint forms may be obtained in Administrative Services, the Library, and Student Services.

The existence of this local complaint procedure does not preclude the complainant from filing a complaint directly with the Equal Employment Opportunity Commission, the Office of Civil Rights, the Department of Fair Employment and Housing, or the Chancellor's Office of the California Community Colleges.



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Certificates of Achievement:

Fire Science Aircraft Rescue Firefighting Certificate

Students who wish to concentrate on meeting the requirements for Aircraft Rescue and Firefighting for entry level employment in the fire service or promotional opportunities will develop the required knowledge, skills and abilities in the area of Aircraft Rescue and Firefighting 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 as an Aircraft Rescue and Firefighting specialist, fire technology, firefighting skills and emergency medical training.

- **Required Courses (Total 11 units)**
 - EMS161 - Emergency Medical Technician Refresher
 - FST090 - Pre-Service Academy
 - FST275 - Fire Control 5B; Aircraft Rescue and Firefighting Live Fire Drill
 - FST274 - Fire Control 5A; Aircraft Rescue and Firefighting Initial Training
- **Electives (Total 19 units)** Complete 19 units of FST courses that are not listed above

Program Student Learning Outcomes:

- Successfully complete a written test with a minimum 80% passing score.
- Demonstration of the proper techniques required to perform on a Hazardous Materials incident with an 80% success rate.
- Identify Hazardous Materials and their potential impacts on fire personnel and the community with a minimum 80% passing score.

Fire Science Chief Officer Certificate

Students who wish to concentrate on meeting the requirements for Fire Chief Officer for entry level employment in the fire service or promotional opportunities will develop the required knowledge, skills and abilities in the area of Fire Chief Officer 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 as a Fire Chief Officer and in fire technology, firefighting skills and emergency medical training.

- **Required Courses (Total 16.75 units)**
 - EMS161 - Emergency Medical Technician Refresher
 - FST090 - Pre-Service Academy
 - FST162 - I-300: Intermediate Incident Command System (ICS)
 - FST252 - Chief Fire Officer 3A: Human Resource Management
 - FST253 - Chief Officer 3B: Budget and Fiscal Responsibilities
 - FST254 - Chief Fire Officer 3C: General Administration Functions
 - FST256 - Chief Fire Officer 3D: Emergency Service Delivery Responsibilities
- **Electives (Total 13.25 units)** Complete 13.25 units of FST courses that are not listed above



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Program Student Learning Outcomes:

- Successfully complete a written test with a minimum 80% passing score.
- Demonstration of the proper techniques required to perform on a Hazardous Materials incident with an 80% success rate.
- Identify Hazardous Materials and their potential impacts on fire personnel and the community with a minimum 80% passing score.

Fire Science Fire Apparatus Driver/Operator Certificate

Students who wish to concentrate on meeting the requirements for Fire Apparatus Driver/Operator for entry level employment in the fire service or promotional opportunities will develop the required knowledge, skills and abilities in the area of Fire Apparatus Driver/Operator 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 Apparatus Driver/Operator, fire technology, firefighting skills and emergency medical training.

- **Required Courses (Total 13.25 units)**
 - EMS161 - Emergency Medical Technician Refresher
 - FST090 - Pre-Service Academy
 - FST107 - Driver/Operator: Aerial/Truck Operations
 - FST115 - Fire Apparatus Driver/Operator 1A: Emergency Vehicle Operations
 - FST116 - Fire Apparatus Driver/Operator 1B Pump Operations
- **Electives (Total 16.75 units)** Complete 16.75 units of FST courses that are not listed above

Program Student Learning Outcomes:

- Successfully complete a written test with a minimum 80% passing score.
- Demonstration of the proper techniques required to perform on a Hazardous Materials incident with an 80% success rate.
- Identify Hazardous Materials and their potential impacts on fire personnel and the community with a minimum 80% passing score.

Fire Science Fire Command Certificate

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.

- **Required Courses (Total 13.5 units)**
 - EMS161 - Emergency Medical Technician Refresher
 - FST090 - Pre-Service Academy
 - FST159 - I-200 Basic Incident Command System (ICS)



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- FST162 - I-300: Intermediate Incident Command System (ICS)
- FST163 - I-400: Advanced Incident Command System (ICS)
- FST248 - Company Officer 2D: All-Risk Command Operations

- **Electives (Total 16.5 units)** Complete 16.5 units of FST courses that are not listed above

Program Student Learning Outcomes:

- Successfully complete a written test with a minimum 80% passing score.
- Demonstration of the proper techniques required to perform on a Hazardous Materials incident with an 80% success rate.
- Identify Hazardous Materials and their potential impacts on fire personnel and the community with a minimum 80% passing score.

Fire Science Fire Inspector I Certificate

Students who wish to concentrate on meeting the requirements for Fire Inspector I for entry level employment in the fire service or promotional opportunities will develop the required knowledge, skills and abilities in the area of Fire Inspector I 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 Inspector, fire technology, firefighting skills and emergency medical training.

- **Required Courses (Total 13.5 units)**
 - EMS161 - Emergency Medical Technician Refresher
 - FST090 - Pre-Service Academy
 - FST257 - Fire Inspector 1A: Duties and Administration
 - FST258 - Fire Inspector 1B: Fire and Life Safety
 - FST259 - Fire Inspector 1C: Field Inspection
 - FST260 - Fire Inspector 1D: Field Inspection-California Specific
- **Elective Courses (Total 16.5 units)** Complete 16.5 units of FST courses that are not listed above

Program Student Learning Outcomes:

- Successfully complete a written test with a minimum 80% passing score.
- Demonstration of the proper techniques required to perform on a Hazardous Materials incident with an 80% success rate.
- Identify Hazardous Materials and their potential impacts on fire personnel and the community with a minimum 80% passing score.

Fire Science Fire Inspector II Certificate

Students who wish to concentrate on meeting the requirements for Fire Inspector II for entry level employment in the fire service or promotional opportunities will develop the required knowledge, skills and abilities in the area of Fire Inspector II 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



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trained in the latest theories and techniques as an advanced Fire Inspector, fire technology, firefighting skills and emergency medical training.

- **Required Courses (Total 13.5 units)**
 - EMS161 - Emergency Medical Technician Refresher
 - FST090 - Pre-Service Academy
 - FST261 - Fire Inspector 2A: Fire Prevention Administration
 - FST263 - Fire Inspector 2C: Inspect New & Exist Fire & Life Safety Sys & Equip
 - FST262 - Fire Inspector 2B: Fire and Life Safety Requirements
 - FST264 - Fire Inspector 2D: Hazardous Materials, Operations, and Processes
- **Electives (Total 16.5)** Complete 16.5 units of FST courses that are not listed above

Program Student Learning Outcomes:

- Successfully complete a written test with a minimum 80% passing score.
- Demonstration of the proper techniques required to perform on a Hazardous Materials incident with an 80% success rate.
- Identify Hazardous Materials and their potential impacts on fire personnel and the community with a minimum 80% passing score.

Fire Science Fire Investigator I Certificate

Students who wish to concentrate on meeting the requirements for Fire Investigator I for entry level employment in the fire service or promotional opportunities will develop the required knowledge, skills and abilities in the area of Fire Investigator I 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 as a Fire Investigator, fire technology, firefighting skills and emergency medical training.

- **Required Courses (Total 13 units)**
 - EMS161 - Emergency Medical Technician Refresher
 - FST090 - Pre-Service Academy
 - FST241 - Fire Investigation 1A: Fire Origin and Cause Determination
 - FST242 - Fire Investigation 1B: Techniques of Fire Investigation
- **Electives (Total 17)** Complete 17 units of FST courses that are not listed above

Program Student Learning Outcomes:

- Successfully complete a written test with a minimum 80% passing score.
- Demonstration of the proper techniques required to perform on a Hazardous Materials incident with an 80% success rate.
- Identify Hazardous Materials and their potential impacts on fire personnel and the community with a minimum 80% passing score.

Fire Science Hazardous Materials Specialist Certificate

Students who wish to concentrate on meeting the requirements for Hazardous Material Specialist for entry level employment in the fire service or promotional opportunities will develop the required knowledge, skills and abilities in the area of Hazardous Materials and in fire suppression, fire prevention, training and administration. Opportunities also exist with private



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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 Hazardous Materials, fire technology, firefighting skills and emergency medical training.

- **Required Courses (19.75 units)**
 - FST090 - Pre-Service Academy
 - EMS161 - Emergency Medical Technician Refresher
 - FST152 - Haz Mat Technician 1A: Basic Chemistry
 - FST153 - Haz Mat Technician 1B: Applied Chemistry
 - FST154 - Haz Mat Technician 1C: Incident Considerations
 - FST155 - Haz Mat Technician 1D: Tactical Field Operations
 - FST157 - Haz Mat Specialist 1F: Specialized Mitigation Techniques
 - FST158 - Haz Mat Specialist 1G: Tactical Field Operations
- **Elective Courses (10.25 units)** Complete 10.25 units of FST courses that are not listed above

Program Student Learning Outcomes:

- Successfully complete a written test with a minimum 80% passing score.
- Demonstration of the proper techniques required to perform on a Hazardous Materials incident with an 80% success rate.
- Identify Hazardous Materials and their potential impacts on fire personnel and the community with a minimum 80% passing score.

Fire Science Instructor Certificate

Students who wish to concentrate on meeting the requirements for Fire Instructor for entry level employment in the fire service or promotional opportunities will develop the required knowledge, skills and abilities in the area of Fire Instruction 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 Instruction, fire technology, firefighting skills and emergency medical training.

- **Required Courses (Total 15 units)**
 - EMS161 - Emergency Medical Technician Refresher
 - FST090 - Pre-Service Academy
 - FST224 - Instructor 1: Instructional Methodology
 - FST273 - Fire Instructor III: Instructional Program Management
 - FST226 - Instructor II: Instructional Development
- **Electives (Total 15 units)** Complete 15 units of FST courses that are not listed above

Program Student Learning Outcomes:

- Successfully complete a written test with a minimum 80% passing score.
- Demonstration of the proper techniques required to perform on a Hazardous Materials incident with an 80% success rate.
- Identify Hazardous Materials and their potential impacts on fire personnel and the community with a minimum 80% passing score.



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Fire Science Technical Rescue Certificate

Students who wish to concentrate on meeting the requirements for Technical Rescue for entry level employment in the fire service or promotional opportunities will develop the required knowledge, skills and abilities in the area of Technical Rescue 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 Technical Rescue, fire technology, firefighting skills and emergency medical training.

- **Required Courses (Total 17.25 units)**
 - EMS161 - Emergency Medical Technician Refresher
 - FST090 - Pre-Service Academy
 - FST120 - Firefighter Survival
 - FST156 - Trench Rescue Technician
 - FST165 - Confined Space Rescue Technician
 - FST166 - Confined Space Rescue Awareness
 - FST173 - Rescue Systems 1: Basic Rescue Skills
 - FST174 - Rescue Systems 2: Advanced Rescue Skills
 - FST175 - Low Angle Rope Rescue Operational
 - FST219 - Rescue Systems 3: Structural Collapse Technician
 - FST277 - Rope Rescue Technician/High Angle Rescue
- **Electives (Total 12.75 units)** Complete 12.75 units of FST courses that are not listed above

Program Student Learning Outcomes:

- Successfully complete a written test with a minimum 80% passing score.
- Demonstration of the proper techniques required to perform on a Hazardous Materials incident with an 80% success rate.
- Identify Hazardous Materials and their potential impacts on fire personnel and the community with a minimum 80% passing score.

Fire Science Technology Certificate

Students who wish to concentrate on meeting the requirements for entry level employment in the fire service or promotional opportunities will develop the required knowledge, skills and abilities 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 technology, firefighting skills and emergency medical training.

- **Required Courses (9 units)**
 - FST090 - Pre-Service Academy
 - EMS161 - Emergency Medical Technician Refresher
- **Elective Courses (21 units)** Complete 21 units of FST courses that are not listed above



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Program Student Learning Outcomes:

- Successfully complete a written test with a minimum 80% passing score.
- Demonstration of the proper techniques required to perform on fire and medical emergencies with an 80% success rate.
- Identify all of the divisions within the fire service and the responsibilities associated with each with a minimum 80% passing score.

Fire Science Water & Boat Rescue Certificate

Students who wish to concentrate on meeting the requirements for Water & Boat Rescue for entry level employment in the fire service or promotional opportunities will develop the required knowledge, skills and abilities in the area of Water & Boat Rescue Specialist 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 as a Water & Boat Rescue Specialist, fire technology, firefighting skills and emergency medical training.

- **Required Courses (Total 13 units)**
 - EMS161 - Emergency Medical Technician Refresher
 - FST090 - Pre-Service Academy
 - FST111 - River and Flood Rescue Technician
 - FST112 - Personal Water Craft Rescue
 - FST113 - Rescue Boat Operations
 - FST125 - Surface Rescue Boat Technician
 - FST126 - River and Flood Motorized Rescue Boat Technician
 - FST276 - Open Water Rescuer--Basic
 - FST110 - River and Flood Water Rescue Operations
- **Electives (Total 17 units)** Complete 17 units of FST courses that are not listed above

Program Student Learning Outcomes:

- Successfully complete a written test with a minimum 80% passing score.
- Demonstration of the proper techniques required to perform on a Hazardous Materials incident with an 80% success rate.
- Identify Hazardous Materials and their potential impacts on fire personnel and the community with a minimum 80% passing score.

Fire Science Wildland Firefighting Certificate

Students who wish to concentrate on meeting the requirements for Wildland Firefighter for entry level employment in the fire service or promotional opportunities will develop the required knowledge, skills and abilities in the area of Wildland Firefighting 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 as a Wildland Firefighter, fire technology, firefighting skills and emergency medical training.

- **Required Courses (Total 11.75 units)**



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- EMS161 - Emergency Medical Technician Refresher
- FST090 - Pre-Service Academy
- FST119 - Fire Control 6 Wildland Firefighting Essentials
- FST148 - S-190: Introduction to Wildland Fire Behavior
- FST272 - S-290: Intermediate Wildland Fire Behavior
- **Elective Courses (Total 18.25)** Complete 18.25 units of FST courses that are not listed above

Program Student Learning Outcomes:

- Successfully complete a written test with a minimum 80% passing score.
- Demonstration of the proper techniques required to perform on a Hazardous Materials incident with an 80% success rate.
- Identify Hazardous Materials and their potential impacts on fire personnel and the community with a minimum 80% passing score.

Fire Science Fire Company Officer Certificate

Students who wish to concentrate on meeting the requirements for Fire Company Officer for entry level employment in the fire service or promotional opportunities will develop the required knowledge, skills and abilities in the area of Fire Company Officer 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 as a Fire Company Officer and in fire technology, firefighting skills and emergency medical training.

- **Required Courses (Total 20.75 units)**
 - EMS161 - Emergency Medical Technician Refresher1-1.5
 - FST090 - Pre-Service Academy0.25-12
 - FST223 - Hazardous Materials Incident Commander0.75
 - FST224 - Instructor 1: Instructional Methodology2
 - FST245 - Company Officer 2A: Human Resource Management2
 - FST246 - Company Officer 2B: General Administrative Functions1
 - FST247 - Company Officer 2C: Fire Inspections and Investigations2
 - FST248 - Company Officer 2D: All-Risk Command Operations2
 - FST249 - Company Officer 2E: Wildland Incident Operations
- **Elective Courses (Total 9.25)** Complete 18.25 units of FST courses that are not listed above

Program Student Learning Outcomes:

- Successfully complete a written test with a minimum 80% passing score.
- Demonstration of the proper techniques required to perform on a Hazardous Materials incident with an 80% success rate.
- Identify Hazardous Materials and their potential impacts on fire personnel and the community with a minimum 80% passing score.



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Associates Degree:

Hazardous Materials Specialist Associate of Science

The program prepares individuals to perform the duties of fire fighters. This includes instruction in fire-fighting equipment operation and maintenance, principles of fire science and combustible substances, methods of controlling different types of fires, hazardous material handling and control, fire rescue procedures, public relations and applicable laws and regulations.

- **Required Core Courses (Total 13.5-14 units)**
 - FST150 - Hazardous Materials First Responder Operational Level
 - FST152 - Haz Mat Technician 1A: Basic Chemistry
 - FST153 - Haz Mat Technician 1B: Applied Chemistry
 - FST154 - Haz Mat Technician 1C: Incident Considerations
 - FST157 - Haz Mat Specialist 1F: Specialized Mitigation Techniques
 - FST155 - Haz Mat Technician 1D: Tactical Field Operations
 - FST158 - Haz Mat Specialist 1G: Tactical Field Operations
 - FST162 - I-300: Intermediate Incident Command System (ICS)
 - FST183 - Terrorism, Weapons of Mass Destruction
- **Unrestricted Electives: (Total 12)** Complete 12 units of FST 100 or above that are not listed

Program Student Learning Outcomes:

- Acquired fundamental grounding in communications, science, mathematics, humanities, the social sciences and self-development in preparation for an occupation, and possible transfer to a four-year institution.
- Demonstrated knowledge of fire-fighting equipment, operation and maintenance, principles of fire science and combustible substances, methods of controlling different types of fires hazardous materials handling, fire rescue procedures, public relations and applicable laws and regulations.

Associates Degree for Transfer (ADT):

Communication Studies

The AAT in Communication Studies is intended to align with preparation for transfer into the CSU system in similar fields of study. Communicating well and understanding the communication process are essential to professional success in many fields. People communicate to influence, to persuade, and to express. This degree encourages students to examine and evaluate human communication across and within various contexts for the purpose of increasing communication competence. Studying the communication process helps one understand how the human mind works. Areas of study include face to face interaction, group process, organizational communication, argument and debate, advocacy, intercultural communication, and interpersonal communication. The following is required for all AA-T or AS-T degrees: 1. Minimum of 60 CSU-transferable semester units. 2. Minimum grade point average (GPA) of at least 2.0 in all CSU-transferable coursework. While a minimum of 2.0 is required for admission, some majors may require a higher GPA. Please consult with a counselor for more information. 3. Completion of a minimum of 18 semester units in an "AA-T" or "AS-T" major. All courses in the major must be completed with a grade of C or better or a "P" if the course is taken on a "pass-no pass"



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basis (title 5 § 55063). 4. Certified completion of the California State University General Education-Breadth pattern (CSU GE Breadth); OR the Intersegmental General Education Transfer Curriculum (IGETC) pattern.

- **Required Course (Total 3 units)**
 - SPE102 – Public Speaking
- **List A (Total 6 units)**
 - SPE103 - Argument and Debate
 - SPE130 - Interpersonal Communications
- **List B (Total 6 units)**
 - SPE101 - Intro to Speech
 - SPE105 - Intro to Intercultural Communications
- **List C (Total 3 units)** Complete 3 units from list C below.
 - ANT101 - Cultural Anthropology
 - ENG102 - Composition and Introduction to Literature
 - ENG103 - Critical Thinking
 - PSY101 - General Psychology
 - SOC101 - Introduction to Sociology
- Choose either Option B: CSU General Education Breadth or Option C: IGETC (Intersegmental General Education Transfer Curriculum) for the General Education pattern which relates to your educational goal.

Program Student Learning Outcomes:

- Acquire fundamental grounding in communication, critical thinking, scientific inquiry, and quantitative reasoning, the arts, literature and humanities, social, political and economic institutions, and self-development.
- Acquire a broad understanding and appreciation of communicating, verbal expression and constructive criticism.