

**HUM 25 Motion Picture Production****Units:** 3.0 **Hours:** 2.0 Lecture and 3.0 Laboratory**Transferable:** GAV-GE:C1

This course provides an introduction to the theory, terminology, and process of motion picture production for film and television. Topics include basic cinematography including the operation, function and creative uses of production and post-production equipment, scriptwriting, camera operation, shot composition, lighting, sound recording and mixing, and editing. (C-ID: FTVE 150)

**HUM 98 Special Topics****Units:** .5 TO 3.0 **Hours:** .5 TO 3.0 Lecture

Special topics courses examine current problems or issues of interest to students within a specific discipline area. For topic content information, consult with the appropriate department chairperson. For transfer status, check with a counselor. This course may have the option of a letter grade or pass/no pass.

**JPA FIRE TECHNOLOGY****JFT 1A Fire Command 1A****Units:** 1.0 **Hours:** .5 Lecture and 1.8 Laboratory

This course provides students an introduction to human resource management and an overview of the organizational structure used within the fire service. Students will size-up emergency situations and identify the strategies, tactics, and methods necessary to manage given scenarios. Common causes of fire fighter deaths and injuries, appropriate safety measures to protect personnel will also be covered. **PREREQUISITE:** Fire Fighter 1 Certification A & B, or Equivalent. **ADVISORY:** Eligible for English 250 and English 420.

**JFT 2B Fire Command 2B Hazardous Materials On Scene Commander****Units:** 1.0 **Hours:** .5 Lecture and 1.8 Laboratory

This course is intended to provide Incident Commanders with the skills and competency necessary to mitigate an emergency incident, initiate remedial action, and ensure the restoration of normal services with a comprehensive resource management approach. **PREREQUISITE:** Has Mat First Responder Operations or Equivalent **ADVISORY:** Incident Command/Scene Management

**JFT 3 Fire Mgmt I - Management, Supervisor for Company Officers****Units:** 1.0 **Hours:** .8 Lecture and 1.4 Laboratory

This is a required course for Level 1 Fire Officer certification. The curriculum includes management styles of leadership; promoting group cooperation; types of verbal orders; interpreting and implementing policies; methods of dealing with subordinates; duties and responsibilities of rank; line and staff function; emotional and behavioral characteristics of individuals and working groups; group behavior within the organization; personnel procedures; types of corrective action, personnel interviews and counseling. **PREREQUISITE:** JFT 8 - Fire Fighter Academy 1. State Fire Marshall certified basic firefighting academy diploma or equivalent as determined by the Dean of Academy Instruction. **NOTE:** Approval of equivalent training is not a guarantee state regulatory or licensing agencies will also grant equivalency. 2. Prior to beginning this course students must already be familiar with, and be able to demonstrate all of the skills listed below. These will not be taught in the course; rather, they will be the starting point for advanced officer training that builds upon them. These minimum knowledge and skill levels are regarding: Familiarity with the role and responsibility of a firefighter, Familiarity with Fire Equipment, Familiarity with Fire Communication, Knowledge of Firefighter Safety.

**JFT 5A Fire Investigation 1A****Units:** 1.0 **Hours:** .5 Lecture and 1.8 Laboratory

This 40 hour course provides an introduction and basic overview of fire scene investigation and investigation tools required to collect, document, and preserve evidence. The focus of this course will be on providing information about the fire scene indicators and determining the fire's origin. **PREREQUISITE:** JFT 8, Fire Fighter 1 Academy 1. State Fire Marshall certified basic firefighting academy diploma or equivalent as determined by the Dean of Academy Instruction. **NOTE:** Approval of equivalent training is not a guarantee state regulatory or licensing agencies will also grant equivalency. 2. Prior to beginning this course students must already be familiar with, and be able to demonstrate all of the skills listed below. These will not be taught in the course; rather, they will be the starting point for advanced officer training that builds upon them. These minimum knowledge and skill levels are regarding: Familiarity with penal codes, Familiarity with health codes, Familiarity with structural fires, Familiarity with vehicular fires, Familiarity with wildland fires.

**JFT 5B Fire Investigation 1B****Units:** 1.0 **Hours:** .8 Lecture and 1.5 Laboratory

This 40 hour course provides information on scene safety, including post blast investigation. Topics include evidence recognition, documentation, and preservation including scene photography and trace evidence. Students will gain knowledge and insight related documentation of findings including case reports, insurance information and other resources available to the investigator. Course methodology includes presentations, case studies, group exercises, focused discussions and written assignments. **PREREQUISITE:** FIR173A or Fire Investigation 1A through the California State Fire Marshal's Office.

**JFT 7A Fire Apparatus Drive-Operator 1A****Units:** 1.0 **Hours:** .8 Lecture and 1.5 Laboratory

This course provides information on fire apparatus preventive maintenance and driving/operating. Topics include routine tests, inspections, and servicing functions, operate, back, maneuver, and turn a fire apparatus in a variety of conditions; and operate all fixed systems and equipment on a fire apparatus. This course fulfills the requirements for a Class C Firefighter Endorsement. **ADVISORY:** Eligible for English 250 and English 420. **PREREQUISITE:** California State Marshal certified fire fighter 1 academy or equivalent as determined by the Dean of Academy Instruction. **Note:** Approval of equivalent training is not a guarantee state regulatory or licensing agencies will also grant equivalency. Prior to beginning this course students must already be familiar with, and be able to demonstrate all of the skills listed below. These will not be taught in the course, rather they will be the starting point for advanced fire fighter training that builds upon them. These minimum knowledge and skill levels are regarding: 1. Firefighter safety 2. Familiarity with safe techniques for mounting and dismounting an apparatus. 3. Knowledge of all firefighting tools and equipment, ladders, and hoses. 4. Knowledge of all firefighting personal protective equipment, including hand and eye protection 5. Radio procedures 6. Effective verbal communication used in fire fighting 7. Fire Protection Water Systems

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All courses listed here are part of Gavilan College's approved curriculum. All courses are not offered every semester. Check the Class Schedule for current offerings.

**JFT 7B Fire Apparatus Driver, Operator 1B****Units:** 1.0 **Hours:** .8 Lecture and 1.5 Laboratory

This course provides information on pumping apparatus preventive maintenance and operations. Topics include routine tests, inspections, and servicing functions; producing hand, master, and foam streams, relay pump operations; and supplying water to fire sprinkler and stand pump systems. This course is based on the 2014 edition of NFPA 1002 Standard for Fire Apparatus Driver/ Operator Professional Qualifications. ADVISORY: Eligible for English 250 and English 420 PREREQUISITE: Firefighter Academy 1 certificate or equivalent, Fire Apparatus Driver/Operator 1A California State Marshal certified Fire Apparatus Driver/ Operator 1A or equivalent as determined by the Dean of Academy Instruction. Note: Approval of equivalent training is not a guarantee state regulatory or licensing agencies will also grant equivalency. Prior to beginning this course students must be familiar with, and be able to demonstrate all of the skills listed below. These will not be taught in the course, rather they will be the starting point for advanced fire fighter training that builds upon them. These minimum knowledge and skill levels are regarding: 1. Firefighter safety 2. Knowledge of SCBA use and emergency procedures 3. Safe mounting and dismounting of apparatus 4. Knowledge of all firefighting personal protective equipment, including hand and eye protection 5. Familiarity of all firefighting tools and equipment, ladders, and hoses including appropriate selection, carry, and use for each type across all types of emergencies. 6. Fuel types, precautions and suppression method(s) 7. Appropriate use of class A, B, and C fire extinguishers 8. Effective verbal communication used in fire fighting 9. Salvage and overhaul 10. First responder CPR and aid

**JFT 7C Fire Driver, Operator Aerial, Tiller Truck Operations****Units:** 1.0 **Hours:** .7 Lecture and 1.5 Laboratory

This course is for students responsible for operating fire apparatus equipped with an aerial device. Topics include inspecting, maintaining, and testing of aerial devices. Practical application requires driving an aerial apparatus including tiller operations, positioning and stabilizing the apparatus, and operating the aerial device. ADVISORY: JFT 7A and JFT 7B.

**JFT 8A Firefighter I Academy Skills Review and Certification****Units:** 1.0 TO 1.5 **Hours:** 4.0 TO 5.3 Laboratory

This course reinforces, combines, and integrates the skills learned in the basic fire academy in accordance with the State Fire Marshal Firefighter 1 curriculum. Students are provided the opportunity to take the National Capstone tests for International Fire Service Accreditation Congress (IFSAC) and National Board on Fire Services Professional Qualifications (Pro Board) certifications. Successful completion of this course provides the student with the opportunity to apply for employment as a firefighter in the state of California and outside of California with those states that offer reciprocity. PREREQUISITE: JFT 8, State Fire Marshal certified basic firefighting academy diploma or equivalent as determined by the Dean of Academy Instruction. NOTE: Approval of equivalent training is not a guarantee state regulatory or licensing agencies will also grant equivalency. Prior to beginning this course students must already be familiar with, and be able to demonstrate all of the skills listed below. These will not be taught in the course; rather, they will be the starting point for advanced officer training that builds upon them. These minimum knowledge and skill levels are regarding: Knowledge of Firefighter Safety, Don and use SCBA and PASS Device, Knowledge of all Firefighting Personal Protective Equipment, Knowledge of all Firefighting Tools and Equipment, Ladders, and Hoses, Familiarity with Structure Ventilation, Knowledge of Fuel Types, Precautions and Suppression Methods, Familiarity with Rescue Knots.

**JFT 8 Fire Fighter I Academy****Units:** 13.5 **Hours:** 6.8 Lecture and 21.0 Laboratory

This academy includes instruction on basic fire fighting skills, laws and regulations affecting the fire service. The course will provide the student with knowledge and skills to safely perform, under minimal supervision, essential and advanced fire ground tasks, basic rescue, basic fire prevention and fire investigation tasks and to use, inspect, and maintain fire fighting and rescue equipment. Curriculum is intended to provide the minimum required training required for the State of California Fire Marshal in the field of Fire Technology as it relates to firefighters. ADVISORY: Eligible for English 250 and English 420.

**JFT 9C Fire Instructor 1C****Units:** 1.0 **Hours:** .8 Lecture and 1.5 Laboratory

This instructor training will assist and help prepare students to become instructors who can provide effective training programs. Students will identify elements of a course outline, develop lesson plans and create audiovisual training aids.

**JFT 10 Fire Fighter II****Units:** 3.5 **Hours:** 2.4 Lecture and 4.5 Laboratory

This course is the second in a series of courses that provides the skills and knowledge needed for entry level professional fire fighter to perform his/her duties safely, effectively, and competently. The curriculum is based on the 2013 edition of NFPA 1001 Standard for Fire Fighter Professional Qualifications. The five overarching themes of the California State Fire Fighter II curriculum are: general knowledge germane to the profession, fire department communications, fireground operations, rescue operations, and prevention, preparedness, and maintenance. PREREQUISITE: Fire Fighter I

**JFT 11 Rescue Systems I Basic Rescue Skills****Units:** 1.0 **Hours:** .5 Lecture and 1.8 Laboratory

This course familiarizes the student with the requirements for the California Urban Search and Rescue (US and R) Basic and Light Operational Levels. The manipulative portion of the course concentrates on techniques to operate safely and effectively at structural collapse incidents involving the collapse or failure of light-frame construction and basic rope rescue operations. The Urban Search and Rescue Operational System Description includes four different levels of operational capability, training and equipment. The course uses the Incident Command System (ICS) to apply common terminology and resource management practices to provide supervision and control of essential functions at incidents that involve technically demanding rescue operations. PREREQUISITE: Fire Fighter Certification ADVISORY: Eligible for English 250 and English 420.

**JFT 13 Low Angle Rope Rescue Operational Course****Units:** .5 **Hours:** .2 Lecture and 1.1 Laboratory

The Low Angle Rope Rescue Operational course is designed to provide training for responders in low angle rope rescue operations. This course will also provide training in a subject element required for the California Urban Search and Rescue (US and R) Basic and Light Operational Level. PREREQUISITE: JFT 8 - Fire Fighter I Academy 1. State Fire Marshall certified basic firefighting academy diploma or equivalent as determined by the Dean of Academy Instruction. NOTE: Approval of equivalent training is not a guarantee state regulatory or licensing agencies will also grant equivalency. 2. Prior to beginning this course students must already be familiar with, and be able to demonstrate all of the skills listed below. These will not be taught in the course; rather, they will be the starting point for advanced officer training that builds upon them. These minimum knowledge and skill levels are regarding: - Firefighter safety - Knowledge of all firefighting tools and equipment, ladders, and hoses including appropriate selection, carry, and use for each type across all types of emergencies - Rescue knots such as bowline, clove hitch, figure eight on a bight, half hitch, Becket, and safety knots

**JFT 14 Fire CDF Academy****Units:** 2.0 TO 4.0 **Hours:** 1.1 TO 1.6 Lecture, 3.4 TO 7.3 Laboratory

This course provides a basic firefighter course oriented toward the equipment utilized on CDF courses. Fundamentals of wildland fire control, pumping skills, incident command and techniques of controlling other emergency incidents are covered with a strong safety perspective. The course is structured with a maximum emphasis on demonstration, student application and performance examinations.

**JFT 15 CDF Fire Academy Refresher****Units:** .5 TO 2.0 **Hours:** .2 TO .4 Lecture, 1.2 TO 4.0 Laboratory

This is a refresher course for the Basic CDF Firefighter Academy. Returning firefighters must pass the returning firefighter written examination before working on an emergency incident. The subjects are intended to give the Firefighter 1 a basic knowledge which is needed prior to emergency response. Students are required to meet the minimum standard as noted in the behavioral objective for each subject/topic. Candidates for qualification under this course must meet the basic requirements for employment as a CDF Firefighter 1. **PREREQUISITE:** JFT 8 - Fire Fighter I Academy 1. State Fire Marshall certified basic firefighting academy diploma or equivalent as determined by the Dean of Academy Instruction. **NOTE:** Approval of equivalent training is not a guarantee state regulatory or licensing agencies will also grant equivalency. 2. Prior to beginning this course students must already be familiar with, and be able to demonstrate all of the skills listed below. These will not be taught in the course; rather, they will be the starting point for advanced officer training that builds upon them. These minimum knowledge and skill levels are regarding: Knowledge of Fire Service Organization, Familiarity with Fire Behavior, Familiarity with personal protection equipment, Knowledge of fire fighter safety, Familiarity with fire hoses, tools, and equipment, Familiarity with ladders, Knowledge of rescue procedures, Familiarity with wildland fires, Knowledge of vehicle extrication procedures

**JFT 17 Emergency Medical Technician****Units:** 5.0 **Hours:** 2.7 Lecture and 8.2 Laboratory

This course is designed to prepare students to render pre-hospital basic life support services, including cardiopulmonary resuscitation, with emphasis on field application, practices, and techniques vital to the interaction of EMT-I personnel with all levels of emergency medical personnel. **PREREQUISITE:** CPR Emergency Responder **ADVISORY:** Eligible for English 250 and English 420.

**JFT 18A Haz Mat 1A Basic Chemistry of Hazardous Materials****Units:** 1.0 **Hours:** .8 Lecture and 1.5 Laboratory

Designed to provide the students with a basic foundation in chemistry and physics as they relate to hazardous materials incidents. Topics include an overview of chemical and physical properties, chemical structures and formulas, covalent and ionic bonding, different types of chemical compounds, the DOT hazard classes, and the combustion process as it relates to hazardous materials. **PREREQUISITE:** OSFM approved Hazardous Materials First Responder (Operations Level) **ADVISORY:** Eligible for English 250 and English 420.

**JFT 18B Haz Mat Technician 1B - Applied Chemistry-Field ID of Chem****Units:** 1.0 **Hours:** .8 Lecture and 1.5 Laboratory

Designed for hazardous materials emergency responders. Emphasizes application of topics learned in Hazardous Materials 1A. Includes the use of field monitoring and detection devices, sample collection of equipment, and field identification procedures for verifying identifying and classifying unknown chemicals. **PREREQUISITE:** Hazardous Materials 1A (JFT 18A). **ADVISORY:** Eligible for English 250 and English 420.

**JFT 20 HAZ MAT First Responder****Units:** .5 TO 1.0 **Hours:** .3 TO .8 Lecture, .6 TO 1.5 Laboratory

This 8-24 hour variable course is designed for fire department personnel who may respond to releases or potential releases of hazardous materials as part of the initial response to the site for the purpose of protecting nearby persons, property, or the environment from the effects of the release. This course will provide defensive tactics to contain the release from a safe distance, keep it from spreading, and prevent exposures without trying to stop the release. Meets and exceeds the requirements for CFR 29 1910.120 and CCR Title 8. **ADVISORY:** Eligible for English 250 and English 420.

**JFT 26B Fire Prevention 1B Code Enforcement****Units:** 1.0 **Hours:** .2 Lecture and 2.1 Laboratory

This is a course in relationship of Life Safety Codes and requirements to building construction principles and building occupancy classifications. Curriculum includes fire rated construction; fire doors, windows, and shutters; stairwells and smokeproof enclosures; flame spread, smoke production and interior finish considerations for various occupancies; existing and egress requirements; basic electrical theory, electrical hazards and inspection considerations; basic heat, smoke and flame detection systems; sprinkler and fixed protection systems; municipal/residential alarm systems; fire drills and emergency evacuation procedures; inspection reports and filing techniques; processing of plans and specifications; handling fire prevention complaints. **ADVISORY:** Eligible for English 250 and English 420.

**JFT 30 Paramedic Core****Units:** 11.0 TO 14.0 **Hours:** 5.0 TO 7.0 Lecture, 17.3 TO 20.8 Laboratory

This course is designed to guide students to successful completion of the National Registry EMT-Paramedic exam and meets the training requirements mandated by the State of California, California Code of Regulations Title 22. The didactic instruction represents the delivery of primarily cognitive material. This is the first part of a three-part program. Students must successfully complete the didactic portion of training prior to progressing to Clinical training (part two). **PREREQUISITE:** JFT 17 EMT

**JFT 31 Paramedic - Clinical****Units:** 4.0 TO 7.0 **Hours:** .0 Lecture, 11.8 TO 22.1 Laboratory

Application of skills that demonstrate principles and concepts of anatomy, physiology, pathophysiology, clinical symptoms and diagnosis as it pertains to pre-hospital emergency medical care of the sick and injured. The students will rotate through specialty areas of the hospital departments: pediatrics, pediatric intensive care unit, labor and delivery, surgery (airway management), respiratory therapy, other selected hospital areas, assisted Living, Skills Nursing Facilities, and facilities for the mentally and physically challenged. This course is pass/no pass. **PREREQUISITE:** JFT 30, Paramedic Core 1. Certified Emergency Medical Technician diploma or equivalent as determined by the Dean of Academy Instruction. **NOTE:** Approval of equivalent training is not a guarantee state regulatory or licensing agencies will also grant equivalency. 2. Prior to beginning this course students must already be familiar with, and be able to demonstrate all of the skills listed below. These will not be taught in the course; rather, they will be the starting point for advanced officer training that builds upon them. These minimum knowledge and skill levels are regarding: Familiarity with patient assessment, Familiarity with effective communication, Familiarity with the administration of medication, Familiarity with obstetrics, pediatrics and geriatrics

**JFT 32 Paramedic - Internship****Units:** 12.0 TO 18.0 **Hours:** 36.0 TO 53.0 Laboratory

Application of paramedic knowledge and skills in the clinical setting as an intern responding on a 911 ambulance to ill and injured patients while being instructed and evaluated by a field preceptor. The student will have the task of initiating, providing and directing entire emergency patient care while under the supervision of a preceptor. This ambulance field internship is required for certification as an EMT-Paramedic in California. This course is a pass/no pass course. **PREREQUISITE:** JFT 30, JFT 31 and JFT 17. 1. certified basic EMT certificate or equivalent as determined by the Dean of Academy Instruction. **NOTE:** Approval of equivalent training is not a guarantee state regulatory or licensing agencies will also grant equivalency. 2. Prior to beginning this course students must already be familiar with, and be able to demonstrate all of the skills listed below. These will not be taught in the course; rather, they will be the starting point for advanced officer training that builds upon them. These minimum knowledge and skill levels are regarding: Familiarity with anatomy, Familiarity with scene size-ups, Knowledge of patient care, Familiarity with trauma patients, Familiarity with documentation techniques, Familiarity with interpersonal communications, Familiarity with the administration of medication, Familiarity with respiratory emergencies, Familiarity with cardiac emergencies, Knowledge of patient transfer.

**JFT 33 Emergency Medical Technician - Refresher****Units:** .5 TO 1.0 **Hours:** .5 Lecture, .9 TO 1.8 Laboratory

EMT-Basic Refresher curriculum consists of 24-40 hours. The refresher training program is divided into six modules and follows the National Standards Curricula. This refresher course is competency based. EMTs who successfully complete this course must demonstrate competency over the knowledge and skills outlined in this refresher education program. This is a pass/no pass course. **PREREQUISITE:** Must possess current National EMS Certification, EMT Card.

**JFT 35 Fire Fighter Survival****Units:** .5 **Hours:** .5 Lecture and .5 Laboratory

This 16 hour Fire Fighter Survival course was developed in the continuing effort to reduce the number of fire fighter injuries and fatalities that occur on an annual basis. The course will supply the student with a greater understanding of the need for situational awareness, fire fighter survival skills, and the technical survival skills to help avoid committing fatal errors on the fireground. This course is a pass/no pass course. **PREREQUISITE:** California State Marshal certified fire fighter 1 academy or equivalent as determined by the Dean of Academy Instruction. Note: Approval of equivalent training is not a guarantee state regulatory or licensing agencies will also grant equivalency. Prior to beginning this course students must already be familiar with, and be able to demonstrate all of the skills listed below. These will not be taught in the course, rather they will be the starting point for advanced fire fighter training that builds upon them. These minimum knowledge and skill levels are regarding: 1. Firefighter safety 2. Don and use SCBA, emergency procedure for SCBA failure 3. Determination of air supply in the hazardous atmosphere 4. Safe mounting and dismounting of apparatus 5. Knowledge of all firefighting personal protective equipment, including hand and eye protection 6. Knowledge of all firefighting tools and equipment, ladders, and hoses including appropriate selection, carry, and use for each type across all types of emergencies 7. Horizontal and vertical ventilation on a structure 8. Hazardous materials and safety precautions 9. Attack technique for an interior structure fire 10. Structure search and rescue including conscious and unconscious victim removal 11. Rescue knots such as bowline, clove hitch, figure eight on a bight, half hitch, and Becket. 12. Familiarity with radio procedures 13. Effective verbal communication used in firefighting 14. First responder CPR and first aid

**JFT 36 Command and Control of the RIC Deployment****Units:** .5 **Hours:** .2 Lecture and .7 Laboratory

This course will provide students with information on Rapid Intervention Crew (RIC) terminology and the tools necessary to conduct a fire fighter rescue operation. It provides the student with command awareness and the control techniques required to effectively manage a fire fighter emergency event should the situation occur. Students will conduct an analysis of fire fighter line-of-duty injuries case studies, taking into account both risk and critical fireground factors, in order to learn from and prevent a fire fighter emergency situation. **ADVISORY:** Fire Fighter Academy

**JFT 100 Principles of Emergency Service****Units:** 3.0 **Hours:** 3.0 Lecture

This course provides an overview to fire protection and emergency services; career opportunities in fire protection and related fields; culture and history of emergency services; fire loss analysis; organization and function of public and private fire protection services; fire department as part of local government; laws and regulations affecting the fire service; fire service nomenclature; specific fire protection functions; basic fire chemistry and physics; introduction to fire protection systems; introduction to fire strategy and tactics; life safety initiatives.

**JFT 104 Fire Safety Officer S-404****Units:** .5 **Hours:** .5 Lecture, .9 TO 1.4 Laboratory

Provides students specific focus on operations within an Incident Command System as a Safety Officer. Topics include safety officer effectiveness, analysis techniques, safety messages, briefings and reports, and high hazard operations. **PREREQUISITE:** Firefighter I or Equivalent

**JFT 105 Fire Control 3A - Structural Fire Fighting in Acquired Structures****Units:** .5 **Hours:** .2 Lecture and .6 Laboratory

This 14 hour course is designed to develop fundamental skills in combating structure fires by providing the students with a thorough understanding of information on fire behavior, ventilation procedures and techniques, interior fire attack, and exterior attack. The opportunity to reinforce the student's understanding of fire behavior is provided in all of the exercises to be conducted during the delivery of the Fire Control 3A class. **PREREQUISITE:** Certified Fire Fighter I or Equivalent

**JFT 106 Fire Control 3B-Structural Firefighting in Live-fire Simulators****Units:** .5 **Hours:** .2 Lecture and .6 Laboratory

This 14 hour course is designed to develop fundamental skills in combating structure fires by providing the students with a thorough understanding of information on fire behavior. The opportunity to reinforce the student's understanding of fire behavior is provided in all the exercises to be conducted during the delivery of the Fire Control 3B class. **PREREQUISITE:** Certified Firefighter I of equivalent and Fire Control 3A.

**JFT 107 Fire Crew Boss S-230****Units:** .5 **Hours:** .7 Lecture and .7 Laboratory

This course is required training for all personnel desiring to be qualified as a single resource boss. The concepts in this course are to be applied to all single resource boss positions, not just the Crew Boss of a hand crew. Lessons provide introduction to operational leadership, mobilization, arrival at the incident, risk management, entrapment avoidance, safety and tactics, offline duties, demobilization, and post-incident responsibilities. **PREREQUISITE:** Qualified as a Firefighter I or equivalent.

**JFT 108 Engine Boss S-231****Units:** .5 **Hours:** .5 Lecture and .4 Laboratory

This course is designed to meet the training needs of an incident Engine Boss outlined in the Wildland and Prescribed Fire Qualification System Guide, PMS 310-1, and the Position Task Book (PTB) developed for the position of Single Resource Boss, Engine (ENGB). The course will cover the task of an Engine Boss in making the tactical decisions required to safely manage an engine and personnel on an incident. This is a pass/no pass course. **PREREQUISITE:** Basic Fire Fighter I Academy certificate or equivalent.

**JFT 110 Fire Prevention****Units:** 3.0 **Hours:** 3.0 Lecture

This course provides fundamental knowledge relating to the field of fire prevention. Topics include: history and philosophy of fire prevention; organization and operation of a fire prevention bureau; use and application of codes and standards; plans review; fire inspections; fire and life safety education; and fire investigation.

**JFT 120 Dozer Boss S-232****Units:** .5 **Hours:** .2 Lecture and .7 Laboratory

This course is designed to meet the training needs of a Dozer Boss on an incident as outlined in the Wildland Fire Qualification System Guide. This course meets the minimum training, skills, knowledge, experience, for the participating agencies of the National Wildfire Coordinating Group. **PREREQUISITE:** Firefighter I or Equivalent.

**JFT 130 Building Construction for Fire Protection****Units:** 3.0 **Hours:** 3.0 Lecture

This course provides the components of building construction related to firefighter and life safety. The elements of construction and design of structures are shown to be key factors when inspecting buildings, pre-planning fire operations, and operating at emergencies.

**JFT 134 Firing Operations Firing Methods****Units:** .5 TO 2.0 **Hours:** .5 Lecture, 1.4 TO 4.1 Laboratory

The course will provide knowledge and skills needed to develop and implement defensive firing operations. The course will cover advanced defensive firing techniques and provide awareness of offensive firing techniques and planning. Students completing this course with substantial firing experience will be able to implement offensive firing plans. **PREREQUISITE:** Fire Fighter I or Equivalent.

**JFT 140 Fire Behavior and Combustion****Units:** 3.0 **Hours:** 3.0 Lecture

This course explores the theories and fundamentals of how and why fires start, spread, and are controlled.

**JFT 150 Principles of Fire and Emergency Services Safety and Survival****Units:** 3.0 **Hours:** 3.0 Lecture

This course introduces the basic principles and history related to the national firefighter life safety initiatives, focusing on the need for cultural and behavior change throughout the emergency services. This course is part of the Fire Science Certificate program.

**JFT 160 Fire Protection Systems****Units:** 3.0 **Hours:** 3.0 Lecture

This course provides information relating to the features of design and operation of fire alarm systems, water-based fire suppression systems, special hazard fire suppression systems, water supply for fire protection and portable fire extinguishers.

**JFT 202 I-300 Intermediate Incident Command System****Units:** .5 **Hours:** .5 Lecture and 1.1 Laboratory

This course consists of five modules developed by the National Wildfire Coordinating Group to train students to manage complex emergency incidents. This course provides more descriptions and details of the organization and operations of the ICS, covers management of resources, describes the duties of all positions including the Air Operations organization, and provides examples of how the essential principles are used in incident event planning. This is a pass/no pass course. **PREREQUISITE:** Fire Fighter I or equivalent. **ADVISORY:** I-200, Basic ICS or equivalent.

**JFT 203 I-400 Advanced Incident Command System****Units:** .5 **Hours:** .5 Lecture and .9 Laboratory

This Incident Command System course is designed for Chief Officers. Consists of four modules developed by the National Wildfire Coordinating Group to meet the needs of command officers managing complex emergency incidents. Advanced ICS expands upon much of the material covered in the I-300 class. Emphasizes large-scale development; roles and relationships of primary staff, the planning, operational, logistical and fiscal considerations related to large and complex incident and event management. Describes the application of Area Command and the importance of inter-agency coordination on complex incidents and events. **PREREQUISITE:** JFT 8 - Fire Fighter I Academy (Active) California State Marshal certified Fire Fighter 1 Academy or equivalent as determined by the Dean of Academy Instruction. Note: Approval of equivalent training is not a guarantee state regulatory or licensing agencies will also grant equivalency. Prior to beginning this course students must already be familiar with, and be able to demonstrate all of the skills listed below. These will not be taught in the course, rather, they will be the starting point for advanced fire fighter training that builds upon them. These minimum knowledge and skill levels are regarding: Familiarity with the Incident Command System, Knowledge of Fire Service Organization, Familiarity with Fire Fighter verbal communication

**JFT 205 Fire Continued Professional Training****Units:** .5 TO 2.0 **Hours:** .0 TO 1.4 Lecture, 1.4 TO 3.2 Laboratory

This course provides training recommended by the California State Fire Marshall to keep students current with new equipment, policies, laws and skills needed to be prepared in the line of duty. It also prepares the student with command awareness and the control techniques required to effectively manage a fire fighter emergency event should the situation occur. **PREREQUISITE:** Graduation from a California State Fire Academy.

**JFT 206 Auto Extrication****Units:** .5 **Hours:** .3 Lecture and 1.0 Laboratory

This course provides the knowledge and skills to prepare a student to extricate victim(s) from a common passenger vehicle in a safe and effective manner in accordance with AHJ policies and procedures. This is a pass/no pass course. **PREREQUISITE:** California State Marshal certified fire fighter 1 academy as determined by the Dean of Academy Instruction. Note: Approval of equivalent training is not a guarantee state regulatory or licensing agencies will also grant equivalency. Prior to beginning this course students must already be familiar with, and be able to demonstrate all of the skills listed below. These will not be taught in the course, rather they will be the starting point for advanced fire fighter training that builds upon them. These minimum knowledge and skill levels are regarding: 1. Firefighter safety 2. Knowledge of SCBA use and emergency procedures 3. Safe mounting and dismounting of apparatus 4. Knowledge of all firefighting personal protective equipment, including hand and eye protection 5. Familiarity of all firefighting tools and equipment, ladders, and hoses including appropriate selection, carry, and use for each type across all types of emergencies. 6. Fuel types, precautions, and suppression method(s) 7. Appropriate use of class A, B, and C fire extinguishers 8. Effective verbal communication used in fire fighting 9. Salvage and overhaul 10. First responder CPR and first aid

**JFT 208 Rapid Intervention Crew Operation****Units:** .5 **Hours:** .2 Lecture and 1.1 Laboratory

The Rapid Intervention Crew Operations course trains firefighters to rescue a downed firefighter in an immediately dangerous to life and health environment, in the continuing effort to reduce the number of firefighter injuries and deaths that occur regularly. The course will focus on the three phases of a RIC operation. This course is a pass/no pass course. **PREREQUISITE:** Firefighter Academy

**JFT 209 Wildland Fire Origin and Cause Determination FI-210****Units:** .5 **Hours:** .6 Lecture and 1.3 Laboratory

This course is designed to meet the requirements of the National Wildfire Coordinating Group (NWCG) for Wildland Fire Investigator certification, as outlined in the Wildland and Prescribed Fire Qualifications System Guide (PMS 310-1), and the Position Task Book. The concepts taught in this course meet the minimum national performance standards for a Wildland Fire Investigator. This is a pass/no pass course. **PREREQUISITE:** JFT 8 1. State Fire Marshal certified basic fire fighting academy diploma or equivalent as determined by the Dean of Academy Instruction. **NOTE:** Approval of equivalent training is not a guarantee state regulatory or licensing agencies will also grant equivalency. 2. Prior to beginning this course students must already be familiar with, and be able to demonstrate all of the skills listed below. These will not be taught in the course; rather, they will be the starting point for advanced officer training that builds upon them. These minimum knowledge and skill levels are regarding: 1. Firefighter safety 2. Pertinent Vehicle, and Health & Safety codes 3. Familiarity with procedures for safe operation at emergency scenes 4. Knowledge of wildland firefighting personal protective equipment, including fire shelter 5. Knowledge of uses, inspection procedures, and maintenance for wildland tools and equipment 6. Knowledge of fuel types, precautions, and suppression method(s) 7. Knowledge of radio procedures and codes 8. Effective verbal communication used in fire fighting 9. Knowledge of the methods of heat transfer 10. Familiarity with wildland fire behavior conditions 11. Familiarity with wildland fire suppression equipment requirements 12. Familiarity with standard agency policies and procedures regarding wildland fire hazards and unsafe situations 13. Familiarity with wildland fire suppression tools, water, and other suppression agents equipment. 14. Familiarity with fireline construction and reinforcement

**JFT 211 Fire Company Officer 2A****Units:** 1.0 **Hours:** 1.0 Lecture and 1.3 Laboratory

This course provides information on the use of human resources to accomplish assignments, evaluating member performance, supervising personnel, and integrating health and safety plans, policies, and procedures into daily activities as well as the emergency scene. This is a pass/no pass course. **PREREQUISITE:** JFT 8, Fire Fighter I Academy or Equivalent

**JFT 212 Fire Company Officer 2D****Units:** 1.0 **Hours:** 1.0 Lecture and 1.3 Laboratory

This course provides information on conducting incident size-up, developing and implementing an initial plan of action involving single and multiunit operations for various types of emergency incidents to mitigate the situation following agency safety procedures, conducting pre-incident planning, and develop and conduct a post-incident analysis. This is a pass/no pass course. **PREREQUISITE:** JFT 8, Fire Fighter I Academy or Equivalent

**JFT 215 Fire Officer Supervisor Academy****Units:** 2.0 **Hours:** 1.4 Lecture and 3.1 Laboratory

This 80 hour California Fire Marshal certified course provides students with techniques for becoming an effective Fire Officer Supervisor. Topic will include leadership ethics, team building, employee performance appraisals, report writing, harassment and discrimination policies, and planning and delegation techniques. This is a pass/no pass course. **PREREQUISITE:** California State Marshal certified fire fighter 1 academy as determined by the Dean of Academy Instruction. Note: Approval of equivalent training is not a guarantee state regulatory or licensing agencies will also grant equivalency. Prior to beginning this course students must already be familiar with, and be able to demonstrate all of the skills listed below. These will not be taught in the course, rather they will be the starting point for advanced fire fighter training that builds upon them. These minimum knowledge and skill levels are regarding: 1. Effective verbal communication used in fire situations 2. Knowledge of all firefighting personal protective equipment, including hand and eye protection 3. Familiarity with essential tasks and job functions of fire service ranks and positions 4. Familiarity with the fire service agency rules and regulations 5. Fire fighter safety 6. Proper and safe rescue missions 7. Proper and safe forcible entry 8. Knowledge of all firefighting tools and equipment, ladders, and hoses including appropriate selection, carry, and use for each type across all types of emergencies.

**JFT 216 Fire Company Officer 2E****Units:** 1.0 **Hours:** .9 Lecture and 1.4 Laboratory

This course is designed to provide information on evaluating and reporting incident conditions, analyzing incident needs, developing and implementing a plan of action to deploy incident resources completing all operations to suppress a wildland fire, establishing an incident command post, creating an incident action plan, and completing incident records and reports. This is a pass/no pass course. **PREREQUISITE:** JFT 8, Fire Fighter I Academy or Equivalent

**JFT 217 Fire Company Officer 2B****Units:** .5 **Hours:** .7 Lecture and .4 Laboratory

This course provides information on general administrative functions and the implementation of department policies and procedures and addresses conveying the fire department's role, image, and mission to the public. This is a pass/no pass course. **PREREQUISITE:** JFT 8, Fire Fighter I Academy or Equivalent

**JFT 218 Fire Instructor II Instructional Development****Units:** 1.0 **Hours:** 1.0 Lecture and 1.3 Laboratory

This course provides the skills and knowledge needed for the intermediate level professional instructor to perform his or her duties safely, effectively, and competently. At the end of this course, candidates will be able to develop lesson plans and evaluation instruments, teach and deliver instruction, and evaluate and coach other instructors. The Instructor II will also be able to analyze resources and formulate a program budget. This course was previously listed as JFT 9B. **PREREQUISITE:** Instructional Methodology Introduction to the Incident Command System (IS-100/B), FEMA or National Incident Management System (IS-700.A), FEMA

**JFT 219 Fire Instructor I****Units:** 1.0 **Hours:** .8 Lecture and 1.5 Laboratory

This course provides the skills and knowledge needed for the entry level professional instructor to perform his or her duties safely, effectively and competently. This course was previously listed as JFT 9A. **PREREQUISITE:** Fire Fighter I Classification **ADVISORY:** Eligible for English 250 and English 420

**JFT 220 Fire Company Officer 2C****Units:** 1.0 **Hours:** 1.0 Lecture and 1.4 Laboratory

Course provides information on conducting inspections, identifying hazards and addressing violations, performing a fire investigation to determine preliminary cause and securing the incident scene and preserving evidence. This course was previously listed as JFT 1B. **PREREQUISITE:** Fire Command 1A - Command Principles for Company Officers, I-220 (Basic ICS). **ADVISORY:** Eligible for English 250 and English 420.

**JFT 227 Chief Fire Officer 3A Human Resource Management for Chief Fire****Units:** .5 **Hours:** .7 Lecture and .7 Laboratory

This course provides students with a basic knowledge of the human resources requirements related to the roles and responsibilities of a Chief Fire Officer including developing plans for providing employee accommodation, developing hiring procedures, establishing personnel assignments, describing methods of facilitating and encouraging professional development, developing an ongoing education training program, developing promotion procedures, developing proposals for improving employee benefits, and developing a measurable accident and injury prevention program. **PREREQUISITE:** JFT 8, Fire Fighter I Academy 1. State Fire Marshall certified basic firefighting academy diploma or equivalent as determined by the Dean of Academy Instruction. **NOTE:** Approval of equivalent training is not a guarantee state regulatory or licensing agencies will also grant equivalency. 2. Prior to beginning this course students must already be familiar with, and be able to demonstrate all of the skills listed below. These will not be taught in the course; rather, they will be the starting point for advanced officer training that builds upon them. These minimum knowledge and skill levels are regarding: Firefighter Safety Firefighter professional educational track Understanding of the personnel assignments.

**JFT 228 Chief Fire Officer 3B Budget and Fiscal Responsibilities****Units:** .5 **Hours:** .4 Lecture and .6 Laboratory

This course provides students with a basic knowledge of the budgeting requirements related to the roles and responsibilities of a Chief Fire Officer including developing a budget management system, developing a division or departmental budget, and describing the process for ensuring competitive bidding. **ADVISORY:** JFT 8, Fire Fighter I Academy 1. State Fire Marshall certified basic firefighting academy diploma or equivalent as determined by the Dean of Academy Instruction. **NOTE:** Approval of equivalent training is not a guarantee state regulatory or licensing agencies will also grant equivalency. 2. Prior to beginning this course students must already be familiar with, and be able to demonstrate all of the skills listed below. These will not be taught in the course; rather, they will be the starting point for advanced officer training that builds upon them. These minimum knowledge and skill levels are regarding: State Fire Professional Certification Tracks Policies and Procedures Fire Department Divisions

**JFT 229 Chief Fire Officer 3C General Administration Functions****Units:** .5 **Hours:** .7 Lecture and .7 Laboratory

This course provides students with a basic knowledge of the administration requirements related to the roles and responsibilities of a Chief Fire Officer including directing a department record management system, analyzing and interpreting records and data, developing a model plan for continuous organizational improvement, developing a plan to facilitate approval, preparing community awareness programs, and evaluating the inspection program of the AHJ. **PREREQUISITE:** JFT 8, Fire Fighter I Academy 1. State Fire Marshall certified basic firefighting academy diploma or equivalent as determined by the Dean of Academy Instruction. **NOTE:** Approval of equivalent training is not a guarantee state regulatory or licensing agencies will also grant equivalency. 2. Prior to beginning this course students must already be familiar with, and be able to demonstrate all of the skills listed below. These will not be taught in the course; rather, they will be the starting point for advanced officer training that builds upon them. These minimum knowledge and skill levels are regarding: State Fire Professional Certification Tracks Policies and Procedures Fire Department Divisions

**JFT 230 Chief Fire Officer 3D Emergency Service Delivery Responsibilities****Units:** .5 **Hours:** .6 Lecture and .8 Laboratory

This course provides students with a basic knowledge of the emergency service requirements related to the roles and responsibilities of a Chief Fire Officer including developing a plan for the integration of fire services resources, developing an agency resource contingency plan, evaluating incident facilities, supervising multiple resources, developing and utilizing an incident action plan, obtaining incident information to facilitate transfer of command, developing and conducting a post-incident analysis, and maintaining incident records. **PREREQUISITE:** JFT 8 - Fire Fighter I Academy 1. State Fire Marshall certified basic firefighting academy diploma or equivalent as determined by the Dean of Academy Instruction. **NOTE:** Approval of equivalent training is not a guarantee state regulatory or licensing agencies will also grant equivalency. 2. Prior to beginning this course students must already be familiar with, and be able to demonstrate all of the skills listed below. These will not be taught in the course; rather, they will be the starting point for advanced officer training that builds upon them. These minimum knowledge and skill levels are regarding: Firefighter safety; Fire Services Resources; Emergency Service Response.

**JFT 300 Company Officer Academy****Units:** 2.0 **Hours:** 1.4 Lecture and 2.5 Laboratory

This course provides the knowledge and skills necessary for developing aspiring company officers. Topics include leadership, progressive discipline, Fire Fighter Bill of Rights, performance appraisals, report writing, fire investigation, command operations, post incident analysis, mutual aid communication plan, disaster relief response, and special operations/ wildland. **PREREQUISITE:** JFT 8, State Fire Marshall certified basic firefighting academy diploma or equivalent as determined by the Dean of Academy Instruction. **NOTE:** Approval of equivalent training is not a guarantee state regulatory or licensing agencies will also grant equivalency. 2. Prior to beginning this course students must already be familiar with, and be able to demonstrate all of the skills listed below. These will not be taught in the course; rather, they will be the starting point for advanced officer training that builds upon them. These minimum knowledge and skill levels are regarding: Firefighter safety, Effective verbal communication used in fire-fighting, Report Writing.

**JFT 305 Outdoor Emergency Care****Units:** 3.0 **Hours:** 2.2 Lecture and 4.7 Laboratory

This 125 hour course is designed to prepare students to render prehospital basic life support services, including cardiopulmonary resuscitation, with emphasis on field application practices and techniques vital to the interaction of Outdoor Emergency Care Technician with all levels of emergency medical personnel. Students will acquire the knowledge and skills necessary to provide emergency medical care at a basic life support level with a fire, ambulance, or other specialized service. This course is instructed in compliance with Department of Transportation (DOT) regulations and the California Code of Regulations. This course is pass/no pass.

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All courses listed here are part of Gavilan College's approved curriculum.  
All courses are not offered every semester. Check the Class Schedule for current offerings.

**JPA LAW ENFORCEMENT****JLE 100 Basic Police Academy****Units:** 22.0 TO 27.0 **Hours:** 5.1 TO 6.4 Lecture, 43.2 TO 62.4 Laboratory

This 880 - 1240 variable unit course satisfies all minimum required training mandates governed by the Commission on Peace Officer Standards and Training (POST) entry level Peace Officers. The course includes fundamental principles, procedures and techniques of law enforcement, including: Criminal Law, Patrol procedures, Cultural Diversity, Investigative procedures, Report Writing, Defensive Tactics, Firearms, Leadership, Ethics, Community Relations, Police Vehicles Operations, Traffic Enforcement, Accident Investigation and First Aid/CPR. This course is open to those students who meet and satisfy entry requirements including written examination, physical fitness examination, DOJ fingerprint clearance and medical clearance. This course requires significant time commitments and outside course work including uniform preparation, homework assignments and equipment maintenance. **PREREQUISITE:** 1. POST approved pre-entry English skills assessment examination provided by the Academy. 2. Penal Code Section 13511.5 requires that each applicant for admission to a basic course of training certified by the Commission (including the P.C. 832 course) that includes the carrying and use of firearms, and who is not sponsored by a local or other law enforcement agency, or is not a peace officer employed by a state or local agency, department, or district, shall be required to submit written certification from the Department of Justice that the applicant has no criminal history background which would disqualify him or her, from owning, possessing, or having under his or her control a firearm. 3. Medical clearance by a licensed physician.

**JLE 102 Police Supervisor Course****Units:** 2.0 **Hours:** 1.1 Lecture and 3.5 Laboratory

This course emphasizes the basic elements of supervision and how they may be applied to police work. Essentials of good leadership and understanding of the basic needs of human beings as well as ways to stimulate subordinates to better performance are the contents of the course. This is a pass/no pass course. **ADVISORY:** JLE 100

**JLE 103 Supervisor Course Update****Units:** .5 TO 1.0 **Hours:** .3 TO .8 Lecture, .6 TO 1.5 Laboratory

Provides law enforcement and correctional supervisors to develop and refine their leadership skills. Students will review how to apply basic leadership knowledge, communication skills, team building, conflict management, legal responsibilities, stress management, workplace diversity, sexual harassment, performance skills, briefing skills, and situational decision-making in order to obtain the highest level of performance and accountability. This course will be updated regularly for currency according to POST and California Corrections Standard Authority. **PREREQUISITE:** POST certified basic law enforcement academy or equivalent as determined by the Dean of Academy Instruction. **Note:** Approval of equivalent training is not a guarantee state regulatory or licensing agencies will also grant equivalency. Prior to beginning this course students must already be familiar with, and be able to demonstrate all of the skills listed below. These will not be taught in the course; rather they will be the starting point for advanced officer training that builds upon them. These minimum knowledge and skill levels are regarding: 1. Officer safety 2. Proper and safe tactical movement 3. Proper and safe arrest and control technique 4. Proper and safe ground fighting technique 5. Proper and safe handling and use of chemical weapons 6. Familiarity with Leadership, Professionalism and Ethics 7. Familiarity with Penal codes used in policing 8. Familiarity with Vehicle codes used in policing 9. Familiarity with Health and Safety codes used in policing 10. Familiarity with Welfare and Institution codes used in policing 11. Effective verbal communication used in policing 12. Effective non-verbal communication used in policing 13. Familiarity with case law pertinent to policing 14. Proper CPR technique 15. Proper first aid technique

**JLE 105 Correctional Officer Basic Academy****Units:** 8.0 TO 15.5 **Hours:** 5.5 TO 11.1 Lecture, 7.8 TO 13.3 Laboratory

This course is designed to meet the California Corrections Standard Authority (CSA) requirements for entry level training of Correctional Officers for adult institutions. The course includes lecture and practical application skills and knowledge including roles and responsibilities of the adult corrections officer, Title 15, Title 22, professionalism and ethics, and proper techniques to maintain the safety and security of inmates. **ADVISORY:** Eligible for English 250 and English 420.