

EMERGENCY MEDICAL SERVICES (EMT/EMR/PARAMEDIC) (EMS)

EMS 50 • EMERGENCY MEDICAL RESPONSE

Units: 5
Hours: 4 lecture, 4 laboratory per week (96 total per quarter)
Advisory: Not open to students with credit in EMR 50, HLTH 5 or 55.

Degree and Credit Degree-Applicable Credit Course

Status:

Foothill GE: Non-GE

Transferable: CSU

Grade Type: Letter Grade (Request for Pass/No Pass)

Repeatability: Not Repeatable

Provides the student with the knowledge and skills necessary to work as an emergency medical responder (EMR) to help sustain life, reduce pain and minimize the consequences of injury or sudden illness until more advanced medical help takes over. The course meets or exceeds the 2009 Emergency Medical Services Educational Standards for Emergency Medical Response and meets Guidelines 2020 for First Aid and 2020 Consensus on Science for Cardiopulmonary Resuscitation and Emergency Cardiovascular Care.

EMS 52 • EMERGENCY MEDICAL TECHNICIAN: BASIC PART A

Units: 5
Hours: 4 lecture, 4 laboratory per week (96 total per quarter)
Prerequisite: EMS 50.
Advisory: EMS 52 and 53 may not be taken concurrently; not open to students with credit in EMT 50 or 304.

Degree and Credit Degree-Applicable Credit Course

Status:

Foothill GE: Non-GE

Transferable: CSU

Grade Type: Letter Grade (Request for Pass/No Pass)

Repeatability: Not Repeatable

Intended to instruct a student to the level of Emergency Medical Technician (EMT) who serves as a vital link in the chain of the health care team. It is recognized that the majority of prehospital emergency medical care will be provided by the EMT. Students will participate in hands-on application of skills necessary to work as a competent EMT. Students will also perform patient assessment scenarios focused on medical and trauma complaints and treatments of various diseases and injuries, to build competence and prepare them to sit for the state certification exam. Includes all knowledge and skills necessary for the individual to provide emergency medical care at a basic life support level with a fire department or other specialized service.

EMS 53 • EMERGENCY MEDICAL TECHNICIAN: BASIC PART B

Units: 6
Hours: 4 lecture, 6 laboratory per week (120 total per quarter)
 Includes 2 hours clinical laboratory.

Prerequisite: EMS 52.

Advisory: EMS 53 is part two of two courses required to be eligible to take the California State written exam for certification as an Emergency Medical Technician; EMS 52 and 53 may not be taken concurrently; not open to students with credit in EMT 51 or 305.

Degree and Credit Degree-Applicable Credit Course

Status:

Foothill GE: Non-GE

Transferable: CSU

Grade Type: Letter Grade (Request for Pass/No Pass)

Repeatability: Not Repeatable

Second of two courses required to be eligible to take the California State written exam for certification as an Emergency Medical Technician. Intended to instruct a student to the level of Emergency Medical Technician who serves as a vital link in the chain of the health care team, providing compassionate, impartial patient centered care. Students will participate in hands-on application of skills necessary to work as a competent EMT. Students will also perform patient assessment scenarios focused on medical and trauma complaints and treatments of various diseases and injuries, to build competence and prepare them to sit for the state certification exam. Includes all knowledge and skills necessary for the individual to provide emergency medical care across the lifespan to a wide range of socioeconomic groups, at a basic life support level with a fire department or other specialized service.

EMS 60A • PARAMEDIC COGNITIVE & AFFECTIVE IA

Units: 9
Hours: 9 lecture per week (108 total per quarter)
Prerequisite: BIOL 40A or equivalent (with laboratory).
Corequisite: EMS 60B.
Advisory: Not open to students with credit in EMTP 60A or 100A.

Degree and Credit Degree-Applicable Credit Course

Status:

Foothill GE: Non-GE

Transferable: CSU

Grade Type: Letter Grade Only

Repeatability: Not Repeatable

First of a three course lecture series in which paramedic students will learn the EMS system, anatomy and physiology of the human body, life span of the patient, cellular function and disease, medical terminology, and pharmacology related to patient care. Intended for students in the Paramedic Program; enrollment is limited to students accepted in the program.

EMS 60B • PARAMEDIC COGNITIVE, PSYCHOMOTOR & AFFECTIVE IB

Units:	4
Hours:	2 lecture, 6.5 laboratory per week (102 total per quarter)
Corequisite:	EMS 60A.
Advisory:	Not open to students with credit in EMTP 60B.
Degree and Credit Status:	Degree-Applicable Credit Course
Foothill GE:	Non-GE
Transferable:	CSU
Grade Type:	Letter Grade Only
Repeatability:	Not Repeatable

Paramedic skills presented with a focus on unbiased patient care: proper hand washing; personal protective equipment; patient assessment; intravenous access; intraosseous infusion; pharmacology principles and applications; medication administration; airway management: endotracheal intubation, oropharyngeal airway, nasopharyngeal airway, suctioning, dual lumen airways; advanced cardiac life support ambulance 911 call simulations and case studies; synchronized cardioversion; transcutaneous pacing; defibrillation; cardiovascular/chest pain emergency 911 call simulations; end tidal carbon dioxide monitoring; capnography; 12 lead ECG interpretation. Intended for students in the Paramedic Program; enrollment is limited to students accepted in the program.

EMS 60C • EMERGENCY MEDICINE SEMINAR I

Units:	1.5
Hours:	1.5 lecture per week (18 total per quarter)
Degree and Credit Status:	Degree-Applicable Credit Course
Foothill GE:	Non-GE
Transferable:	CSU
Grade Type:	Letter Grade Only
Repeatability:	Not Repeatable

This course enriches the core curriculum of respiratory and cardiovascular emergencies in emergency medicine, emphasizing principles of equity and inclusivity. Through a combination of lectures, practical applications, and assessments, students will gain comprehensive insights into advanced emergency medicine. This includes enhancing their skills in patient evaluation and management across diverse populations in the prehospital and hospital settings. Intended for students in the Paramedic Program; enrollment is limited to students accepted in the program.

EMS 61A • PARAMEDIC COGNITIVE & AFFECTIVE IIA

Units:	9
Hours:	9 lecture per week (108 total per quarter)
Prerequisite:	EMS 60A and 60B.
Corequisite:	EMS 61B.
Advisory:	Not open to students with credit in EMTP 61A or 100B.
Degree and Credit Status:	Degree-Applicable Credit Course
Foothill GE:	Non-GE
Transferable:	CSU
Grade Type:	Letter Grade Only
Repeatability:	Not Repeatable

Continuation of EMS 60A. Airway anatomy and management, EKG, 12 leads and implement treatments for various respiratory emergencies. Neurological disorders, cardiovascular emergencies, musculoskeletal injuries and treatment, GI/GU anatomy and disorders. Intended for students in the Paramedic Program; enrollment is limited to students accepted in the program.

EMS 61B • PARAMEDIC COGNITIVE, AFFECTIVE & PSYCHOMOTOR IIB

Units:	4
Hours:	2 lecture, 6.5 laboratory per week (102 total per quarter)
Prerequisite:	EMS 60A and 60B.
Corequisite:	EMS 61A.
Advisory:	Not open to students with credit in EMTP 61B or 100B.
Degree and Credit Status:	Degree-Applicable Credit Course
Foothill GE:	Non-GE
Transferable:	CSU
Grade Type:	Letter Grade Only
Repeatability:	Not Repeatable

Paramedic skills presented with a focus on unbiased patient care. Patient assessment and medication administration for respiratory, neurological, endocrine, overdose and poisonings, and gastrointestinal conditions for 911 call simulations and case studies. Pharmacology principles and applications. Additional skills include nebulizer/BVM set-up; digital intubation; foreign body airway obstruction; 12 lead ECG interpretation; blood glucose analysis; advanced cardiac life support; pressure infusers; intravenous access. Intended for students in the Paramedic Program; enrollment is limited to students accepted in the program.

EMS 61C • EMERGENCY MEDICINE SEMINAR II

Units:	1.5
Hours:	1.5 lecture per week (18 total per quarter)
Degree and Credit	Degree-Applicable Credit Course
Status:	
Foothill GE:	Non-GE
Transferable:	CSU
Grade Type:	Letter Grade Only
Repeatability:	Not Repeatable

Continuation of EMS 60C. This course enriches the core curriculum involving the management of various medical and psychiatric emergencies. The course continues the examination of cardiac care, focusing on advanced cardiac life support (ACLS) using case studies to provide a deeper understanding of the different treatment and protocols, emphasizing principles of equity and inclusivity. Through a combination of lectures, practical applications, case studies, and assessments, students will gain comprehensive insights into advanced emergency medicine. This includes enhancing their skills in patient evaluation and management across diverse populations in the prehospital and hospital settings. Intended for students in the Paramedic Program; enrollment is limited to students accepted in the program.

EMS 62A • PARAMEDIC COGNITIVE & AFFECTIVE IIIA

Units:	9
Hours:	9 lecture per week (108 total per quarter)
Prerequisite:	EMS 61A and 61B.
Advisory:	Not open to students with credit in EMTP 62A or 100C.
Degree and Credit	Degree-Applicable Credit Course
Status:	
Foothill GE:	Non-GE
Transferable:	CSU
Grade Type:	Letter Grade Only
Repeatability:	Not Repeatable

Continuation of EMS 61A. Discusses various toxicological emergencies, psychiatric emergencies, OB, pediatric anatomy and emergencies, command and control, triage, and the geriatric patient. Intended for students in the Paramedic Program; enrollment is limited to students accepted in the program.

EMS 62B • PARAMEDIC COGNITIVE, AFFECTIVE & PSYCHOMOTOR IIIB

Units:	4
Hours:	2 lecture, 6.5 laboratory per week (102 total per quarter)
Prerequisite:	EMS 61A and 61B.
Advisory:	Not open to students with credit in EMTP 62B.
Degree and Credit	Degree-Applicable Credit Course
Status:	
Foothill GE:	Non-GE
Transferable:	CSU
Grade Type:	Letter Grade Only
Repeatability:	Not Repeatable

Paramedic skills presented: proper hand washing; personal protective equipment; patient assessment focusing on unbiased patient care; intravenous access; intraosseous infusion; bleeding control and shock management; pleural decompression; cricothyrotomy; pharmacology principles and applications; medication administration; airway management: endotracheal intubation, endotracheal intubation with spinal immobilization, oropharyngeal airway, nasopharyngeal airway, suctioning, dual lumen airways; pediatric advanced life support ambulance 911 call simulations and case studies; prehospital trauma life support ambulance 911 call simulations and case studies; synchronized cardioversion; transcutaneous pacing; defibrillation; end tidal carbon dioxide monitoring; capnography; 12 lead ECG interpretation. Emphasis on special population, pediatric, and trauma management and operations. Intended for students in the Paramedic Program; enrollment is limited to students accepted in the program.

EMS 62C • EMERGENCY MEDICINE SEMINAR III

Units:	1.5
Hours:	1.5 lecture per week (18 total per quarter)
Degree and Credit	Degree-Applicable Credit Course
Status:	
Foothill GE:	Non-GE
Transferable:	CSU
Grade Type:	Letter Grade Only
Repeatability:	Not Repeatable

Continuation of EMS 61C. This course enriches the core curriculum of gynecologic, obstetrical, and neonatal resuscitation, pediatric, geriatric, environmental, and trauma emergencies in emergency medicine, emphasizing principles of equity and inclusion. Through a combination of lectures, practical applications, case studies, and assessments, students will gain comprehensive insights into advanced emergency medicine. This includes enhancing their skills in patient evaluation and management across diverse populations in the prehospital and hospital settings. Intended for students in the Paramedic Program; enrollment is limited to students accepted in the program.

EMS 63A • PARAMEDIC HOSPITAL SPECIALTY ROTATIONS

Units:	2
Hours:	6 laboratory per week (72 total per quarter) This is a clinical laboratory course.
Prerequisite:	EMS 60A and 60B.
Advisory:	Not open to students with credit in EMTP 63A or 102.
Degree and Credit Status:	Degree-Applicable Credit Course
Foothill GE:	Non-GE
Transferable:	CSU
Grade Type:	Letter Grade Only
Repeatability:	Not Repeatable

Application of skills that demonstrate principles and concepts of anatomy, physiology, pathophysiology, clinical symptoms and diagnosis as they pertain to pre-hospital emergency medical care of the sick and injured. The student 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, skilled nursing facilities, and facilities for the mentally and physically challenged. Intended for students in the Paramedic Program; enrollment is limited to students accepted in the program.

EMS 63B • PARAMEDIC HOSPITAL EMERGENCY DEPARTMENT ROTATIONS

Units:	4.5
Hours:	14 laboratory per week (168 total per quarter) This is a clinical laboratory course.
Prerequisite:	EMS 60A and 60B.
Corequisite:	Completion of or concurrent enrollment in EMS 63A.
Advisory:	Not open to students with credit in EMTP 63B or 102.
Degree and Credit Status:	Degree-Applicable Credit Course
Foothill GE:	Non-GE
Transferable:	CSU
Grade Type:	Letter Grade Only
Repeatability:	Not Repeatable

Application of skills that demonstrate principles and concepts of anatomy, physiology, pathophysiology, clinical symptoms and diagnosis as they pertain to pre-hospital emergency medical care of the sick and injured. The student will rotate through specialty areas of the hospital departments: pediatrics, pediatric intensive care unit, labor and delivery, surgery (airway management), respiratory therapy, and other selected hospital areas. Intended for students in the Paramedic Program; enrollment is limited to students accepted in the program.

EMS 64A • PARAMEDIC AMBULANCE FIELD INTERNSHIP I

Units:	13
Hours:	40 laboratory per week (480 total per quarter) This is a clinical laboratory course.
Advisory:	Not open to students with credit in EMTP 64A or 103A.
Degree and Credit Status:	Degree-Applicable Credit Course
Foothill GE:	Non-GE
Transferable:	CSU
Grade Type:	Letter Grade Only
Repeatability:	Not Repeatable

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 has the task of initiating, providing, and directing entire emergency patient care while under the supervision of a preceptor. First of two ambulance field internships required for certification as an EMT-Paramedic in California. Intended for students in the Paramedic Program; enrollment is limited to students accepted in the program.

EMS 64B • PARAMEDIC AMBULANCE FIELD INTERNSHIP II

Units:	13
Hours:	40 laboratory per week (480 total per quarter) This is a clinical laboratory course.
Advisory:	Not open to students with credit in EMTP 64B or 103B.
Degree and Credit Status:	Degree-Applicable Credit Course
Foothill GE:	Non-GE
Transferable:	CSU
Grade Type:	Letter Grade Only
Repeatability:	Not Repeatable

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 has the task of initiating, providing, and directing entire emergency patient care while under the supervision of a preceptor. Second of two ambulance field internships required for certification as an EMT-Paramedic in California. Intended for students in the Paramedic Program; enrollment is limited to students accepted in the program.

EMS 200 • PARAMEDIC ACADEMY

Units:	1.5
Hours:	6 lecture, 36 laboratory per quarter (42 total per quarter) This is a 1 week course.
Prerequisite:	Current CPR card; current EMT license.
Advisory:	Not open to students with credit in EMTP 200.
Degree and Credit Status:	Degree-Applicable Credit Course
Foothill GE:	Non-GE
Transferable:	None
Grade Type:	Letter Grade Only
Repeatability:	Not Repeatable

Introduction to the profession of paramedicine. Emphasis on paramedic terminology, communication skills, licensure, documentation, patient assessments, and skills proficiency. Discussion of the requirements for the paramedic program. Intended for students entering or considering to enter the paramedic program. This course is designed to prepare the student with the basic knowledge and skills necessary to succeed in the Paramedic Academy.

EMS 203 • EMERGENCY MEDICAL TECHNICIAN: REFRESHER

Units:	2.5
Hours:	2 lecture, 1.5 laboratory per week (42 total per quarter)
Advisory:	Students must possess either a current EMT certificate or a certification which has been expired for no more than 24 months (must complete before the end of that month); students who have not fulfilled NREMT requirements within one year of EMT course completion may enroll; students must also possess current certification in American Red Cross CPR-BLS for the Professional Rescuer or American Heart Association CPR for the Healthcare Provider; students may repeat this course without petition when necessary to meet a legally mandated training requirement as a condition of volunteer or paid employment.
Degree and Credit Status:	Non-Degree-Applicable Credit Course
Foothill GE:	Non-GE
Transferable:	None
Grade Type:	Letter Grade (Request for Pass/No Pass)
Repeatability:	Unlimited Repeatability
Formerly:	EMT 203, 303

This course meets the education requirements as specified by the California Emergency Medical Services Authority, the Emergency Medical Authority of Santa Clara County and the National Registry of EMT (NREMT) of 40 hours. Intended for both pre-employed personnel and those persons currently employed by a fire department or ambulance service within the County of Santa Clara. Review and update the knowledge and skills required for basic certification. Students maintaining their National Registry of Emergency Technicians (NREMT) certification will meet the NREMT transition requirements with this course.

EMS 400 • EMERGENCY MEDICAL RESPONSE NONCREDIT

Units:	0
Hours:	4 lecture, 4 laboratory per week (96 total per quarter)
Degree and Credit Status:	Non-Degree-Applicable Non-Credit Course
Foothill GE:	Non-GE
Transferable:	None
Grade Type:	Non-Credit Course (Receives no Grade)
Repeatability:	Unlimited Repeatability
Formerly:	EMR 400

Provides the student with the knowledge and skills necessary to work as an emergency medical responder (EMR) to help sustain life, reduce pain and minimize the consequences of injury or sudden illness until more advanced medical help takes over. The course meets or exceeds the 2009 Emergency Medical Services Educational Standards for Emergency Medical Response and meets Guidelines 2020 for First Aid and 2020 Consensus on Science for Cardiopulmonary Resuscitation and Emergency Cardiovascular Care.

EMS 401 • EMERGENCY MEDICAL TECHNICIAN: BASIC PART A NONCREDIT

Units:	0
Hours:	4 lecture, 4 laboratory per week (96 total per quarter)
Prerequisite:	EMS 50 or 400.
Advisory:	EMS 401 and 402 may not be taken concurrently.
Degree and Credit Status:	Non-Degree-Applicable Non-Credit Course
Foothill GE:	Non-GE
Transferable:	None
Grade Type:	Non-Credit Course (Receives no Grade)
Repeatability:	Unlimited Repeatability
Formerly:	EMT 401

Intended to instruct a student to the level of Emergency Medical Technician (EMT) who serves as a vital link in the chain of the health care team. It is recognized that the majority of prehospital emergency medical care will be provided by the EMT. Students will participate in hands-on application of skills necessary to work as a competent EMT. Students will also perform patient assessment scenarios focused on medical and trauma complaints and treatments of various diseases and injuries, to build competence and prepare them to sit for the national certification exam. Includes all knowledge and skills training necessary for the individual to provide emergency medical care at a basic life support level with a fire department or other prehospital emergency service.

EMS 402 • EMERGENCY MEDICAL TECHNICIAN: BASIC PART B NONCREDIT

Units:	0
Hours:	4 lecture, 6 laboratory per week (120 total per quarter) Includes 2 hours clinical laboratory.
Prerequisite:	EMS 401.
Advisory:	EMS 402 is part two of two courses required to be eligible to take the national written and practical exam for certification as an Emergency Medical Technician; EMS 401 and 402 may not be taken concurrently.
Degree and Credit Status:	Non-Degree-Applicable Non-Credit Course
Foothill GE:	Non-GE
Transferable:	None
Grade Type:	Non-Credit Course (Receives no Grade)
Repeatability:	Unlimited Repeatability
Formerly:	EMT 402

Second of two courses required to be eligible to take the national psychomotor and cognitive certification examinations for Emergency Medical Technician (EMT). Intended to instruct a student to the level of Emergency Medical Technician who serves as a vital link in the chain of the health care team. Students will participate in hands-on application of skills necessary to work as a competent EMT. Students will also perform patient assessment scenarios focused on medical and trauma complaints and treatments of various diseases and injuries, to build competence and prepare them to sit for the certification exam. Includes all knowledge and skills training necessary for the individual to provide emergency medical care at a basic life support level with a fire department or other pre-hospital emergency service.