

Grayson College Course Catalog

Overview - Emergency Medical Services

The Emergency Medical Service programs at Grayson College offer three levels of EMS education: the EMT Marketable Skills Award, the Paramedic Certificate of Completion, and the Associate of Applied Science in Paramedicine.

At each program level, students gain additional knowledge and skills to enable them to function in clinical and field settings with physicians, nurses, firefighters and other healthcare professionals. In the classroom, students learn about anatomy and physiology, the pathophysiology of diseases, traumatic injuries, pharmacology and acute care of all age groups. Students acquire practical and field skills through laboratory practice, simulation, clinical experience in hospitals and experience with EMS providers. EMS personnel must be at least 18 years of age and have a high school diploma or GED.

Successful completion of an EMS Program will prepare the student for the National Registry Certification exam, to obtain state licensure, and to work as an Emergency Medical Technician or Paramedic.

Core Performance Standards/Physical and Mental Capabilities

EMS personnel must have the ability to communicate verbally via telephone and radio equipment, ability to lift, carry and balance up to 125 pounds (250 pounds with assistance); ability to interpret written, oral and diagnostic instructions; ability to use good judgment and remain calm in high-stress situations; ability to work effectively in an environment with loud noises and flashing lights; ability to function efficiently throughout an entire work shift; ability to calculate weight and volume ratios and read small print, under life threatening time constraints; ability to read and understand English language manuals and road maps; ability to accurately discern street signs and address numbers; ability to interview patient, family members and bystanders; ability to document, in writing, all relevant information in prescribed format in light of legal ramifications of such; ability to converse in English with coworkers and hospital staff as to status of patients. EMS personnel should possess good manual dexterity, with ability to perform all tasks related to highest quality patient care. Ability to bend, stoop, and crawl on uneven terrain and ability to withstand varied environmental conditions such as extreme heat, cold, and moisture is vital. The ability to work in low light, confined spaces, and other dangerous environments is required.

Certificate Degree Options

Emergency Medical Technician – Occupational Skills Award

The EMT must demonstrate competency in handling emergencies utilizing all Basic Life Support equipment and skills in accordance with all behavioral objectives in the Department of Transportation/ EMT curriculum. The course includes classroom, laboratory, hospital and field instruction which shall include supervised experiences in the emergency department and other appropriate settings with a licensed EMS provider. This course can be completed in one semester. Occupational Skills Award applicants are TSI exempt.

Paramedic – Certificate of Completion

The minimum curriculum includes all content required by the current national paramedic education standards and competencies as defined by the Department of Transportation which address the following areas: roles and responsibilities of the paramedic; well-being of the paramedic; illness and injury prevention; medical/ legal issues; ethics; general principles of pathophysiology; pharmacology; venous access and medication administration; therapeutic communications; lifespan development; patient assessment; airway management and ventilation, including endotracheal intubation; and trauma. The course includes classroom, laboratory, hospital and field instruction which shall include supervised experiences in the emergency department, critical care areas, and other appropriate settings with a licensed EMS provider.

Paramedic – Associate of Applied Science

The Associate of Applied Science degree is identical to the Certificate of Completion for the Paramedic, but also includes the general education coursework required to be awarded the 60-hour Associate of Applied Science degree in Paramedicine.

Admissions Requirements

Detailed information about the programs is provided in Application Packets, available by sending an email request to ems@grayson.edu. The applicant should request the EMT application or Paramedic application. Completion of this packet is required for all applicants.

General Admission Guidelines

Students applying to the EMS program must first apply for admission to Grayson College and submit all required documentation to the Admissions Offices. See GC Catalog "General Academic Policies, Admissions" for more information. Admission to the college does not guarantee admission to the EMS programs. In addition to the admission requirements of Grayson College, the applicant must be 18 years of age and possess a high school diploma or GED 180 days post course completion.

To be considered for acceptance into the EMS program, applicants must submit application to the EMS Education Program, with required documentation attached, by the deadline posted in the EMS Application Packet. Applications will not be accepted until all required documentation is submitted. Incomplete applications will be returned to the student without consideration.

Application Documentation Required of All EMS Applicants:

1. **Completed application for admission to EMT or Paramedic program** (available by emailing ems@grayson.edu)
2. **Completed verification statement** (in application packet)
3. **Pre-Entrance Physical Exam and Health Statement** completed by approved medical professional
4. **Copy of transcripts** from all previously attended colleges or universities. Turn in to the GC Admissions Office official transcripts from all colleges previously attended. Turn in to the EMS program unofficial transcripts.
5. **Documentation of immunization*** as follows:
 - Tetanus/Diphtheria/Pertussis (Tdap) - One dose of the tetanus/diphtheria/pertussis (Tdap) immunization within the last 10 years
 - Measles, Mumps, Rubella (MMR) (Immunization or blood test proving immunity) - If born after Jan. 1, 1957, must have proof of two doses of the MMR vaccine administered on or after the first (1st) birthday and at least 30 days apart or proof of serologic immunity.
 - Varicella (Chickenpox) (Immunization or blood test proving immunity) - Series of two Varicella vaccines at least 30 days apart or proof of serologic immunity. History of the disease is not acceptable.
 - Hepatitis B (Immunization or blood test proving immunity) - Series of three Hepatitis B vaccines or proof of serologic immunity. This series takes 6 months to complete.
 - Influenza Vaccine - Annual influenza immunization as recommended by the CDC in the fall of each year.

Due to compliance with clinical facility requirements and the Texas Department of State Health Services rule, GC Health Science programs may not waive immunization requirements for any reason. If immunizations are not complete, application to the program must be delayed.

Copies of records from physician offices, public health department, public schools, other colleges, and the military are acceptable. Students should provide a copy of the records. Please do not turn in the originals.

Additional Application Documentation Required for Paramedic Candidates:

1. Copy of current EMT certificate or license issued by one of the following: State of Texas or National Registry of EMTs.
2. Copy of current CPR for Basic Life Support Provider card issued by the American Heart Association.
3. Documentation of Fisdap Paramedic Entrance Exam Scores.

Note: It is the responsibility of the student to maintain EMT and CPR for Basic Life Support Provider certifications throughout the paramedic course.

Selection and Acceptance Procedure

EMT Selection and Acceptance:

Registration in EMT courses is by permission only. Once all EMT admission requirements have been submitted to the EMS Department, an email will be sent giving permission to enroll in EMT courses. Applications for Emergency Medical Technician courses will be reviewed for the required documentation listed above. Applicants who submit all required documents before the last date of registration for the semester will be granted permission to register. Applications will not be accepted after the last date of registration.

Paramedic Selection and Acceptance:

Applications for Paramedic courses received by the published deadline will be reviewed for the required documentation listed above by the EMS Admissions Committee during the five days immediately following the deadline. Only complete applications will be considered for selection.

Applications will be prioritized for selection using the applicant's score on the Fisdap entrance exam.

In the case where applicants having equal scores must be chosen for limited space availability, the selection will be made by the EMS Admissions Committee and/or Program Director.

Applicants will be notified regarding selection or non-selection by telephone or email, or both at least 5 days prior to the scheduled orientation.

Should more applications be received than seats available, the waiting list will be maintained until the first class day. Any remaining applications will be destroyed.

Final Acceptance Requirements

1. Attend a scheduled mandatory orientation day on campus.
 - EMT orientation is scheduled for the first class day
 - Paramedic orientation is published in the Paramedic Application Packet
 2. Pass a urine drug screen (at the student's expense and completed as scheduled through a GC approved company).
 3. Pass a criminal background check (at the student's expense and completed as scheduled through a GC approved company).
 4. Documentation of clinical readiness (completion of immunizations and required medical exam).
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Eligibility for Certification or Licensure

Eligibility for Certification with the National Registry of Emergency Medical Technicians (NREMT)

The National Registry does not issue a permit to work or license to practice and does not warrant job performance of applicants and EMS professionals.

- No individual is eligible to apply for certification or recertification unless compliance with all NREMT rules and standards are demonstrated.
- The individual must truthfully complete and submit an application in the form provided by the NREMT and shall provide all additional information as requested.
- The individual must at all times be eligible for, and not barred from, practice as an Emergency Medical Technician under the laws of any state EMS licensing or authorizing agency.
- An individual convicted of a felony or any other crime directly related to public health or the provision of emergency medical service, including DUI, will be reviewed for eligibility for certification and recertification under policies outlined in the NREMT's Felony Policy.
- The NREMT reserves the right to withhold or revoke certification from an individual who has failed to pay for services rendered.

Eligibility for Certification with the Texas Department of State Health Services

All initial EMS applicants are required to submit their fingerprints through the rules and regulations of the Texas Department of State Health Services. A person shall be disqualified from eligibility to acquire an EMS certification if the applicant is convicted of or placed on deferred adjudication community supervision or deferred disposition for an offense listed in Code of Criminal Procedure, Article 42.12, Sections 3g(a)(1)(A) through (H) as follows: (1) murder; (2) capital murder; (3) indecency with a child; (4) aggravated kidnapping; (5) aggravated sexual assault; (6) aggravated robbery; (7) substance abuse offenses, as described in Health and Safety Code, Chapter 481, for which punishment is increased under: (a) Health and Safety Code, §481.140, regarding the use of a child in the commission of an offense; or (b) Health and Safety Code, §481.134(c), (d), (e) or (f), regarding an offense committed within a drug free zone, if it is shown that the defendant has been previously convicted of an offense for which punishment was increased under one of those subsections; (8) sexual assault; (9) an offense, other than an offense committed on or after September 1, 2009, for which the person is subject to register as a sex offender under Code of Criminal Procedure, Chapter 62.

Transfer of EMT Coursework

Students who completed EMT coursework at a college or university other than GC must submit official transcripts from each college or university previously attended to the GC Office of Admissions and Records, and submit a copy (official or unofficial) of the transcript attached to the EMS Admissions Application. EMT coursework completed via continuing education or a training site other than a college or university must be approved by the Director of EMS Education for credit award. Minimum documentation required for the approval process includes a copy of the initial course completion certificate showing classroom, clinical, and ambulance hours.

Contact information regarding program accreditation

The Grayson College EMS program is accredited by the Commission on Accreditation of Allied Health Education Programs (www.caahep.org) upon the recommendation of the Committee on Accreditation of Educational Programs for the Emergency Medical Services Professions (www.coaemsp.org) with the goal "to prepare competent entry-level Paramedics in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains with

or without exit points at the Advanced Emergency Medical Technician and/or Emergency Medical Technician, and/or Emergency Medical Responder levels."

Committee on Accreditation of Educational Programs for the Emergency Medical Services Profession (CoAEMSP)
8301 Lakeview Parkway, Suite 111-213
Rowlett, Texas
214-703-8445
www.coemsp.org

Commission on Accreditation of Allied Health Education Programs
25400 U.S. Highway 19 North, Suite 158
Clearwater, FL 33763
727-210-2350
www.caahep.org

AAS Degree Requirements

Associate of Applied Science - Emergency Medical Services-Paramedic

The Associate of Applied Science degree in Paramedicine follows the National EMS Standards (2009) curriculum which assists students in acquiring the knowledge and skills to function as beginning practitioners in emergency medical services at the advanced level. Students receive classroom instruction and supervised hospital clinical and coordinated ambulance clinical experience in the emergency care of patients. A grade of "C" or better is necessary in each EMSP course to progress. Upon successful completion of this program, students will receive an *Associate of Applied Science Degree in Paramedicine* and may be eligible to sit for the National Registry examination to become certified or licensed Paramedics. The National Certified Paramedic who has earned an associate degree in Paramedicine may be eligible to apply for Licensed Paramedic with the Texas Department of State Health Services. The Department of State Health Services and/or the National Registry of EMTs may deny certification or licensure to individuals who have been convicted of a misdemeanor and/or felony.

Sequence	Subject	Semester Hours
1	BIOL 2404 (Anatomy and Physiology)	4
2	ENGL 1301 (Comp I)	3
3	SPCH 1311 , 1315 or 1321	3
4	HRPS 1209 (Interpretation of Lab Results)	2
5	Social/Behavior Science Core	3
6	Lang, Phil, Culture/Creative Arts	3
7	Math, Life & Physical Science Core	3
8	AA/AS COA Core	3
9	EMSP 1338 (Intro to Advanced Practice)	3
10	EMSP 1356 (Patient Assessment and Airway Management)	3
11	EMSP 1355 (Trauma Management)	3
12	EMSP 2206 (Emergency Pharmacology)	2
13	EMSP 1149 (Trauma Life Support)	1
14	EMSP 2137 (Emergency Procedures)	1
15	EMSP 1161 (Clinical-Emergency Medical Technology/Technician)	1
16	EMSP 2444 (Cardiology)	4
17	EMSP 2434 (Medical Emergencies)	4
18	EMSP 2330 (Special Populations)	3
19	EMSP 2237 (Emergency Procedures)	2
20	EMSP 1147 (Pediatric Life Support)	1

21	EMSP 2135 (Advanced Cardiac Life Support)	1
22	EMSP 2162 (Clinical-Emergency Medical Technology/Technician)	1
23	EMSP 2563 (Clinical-Emergency Medical Technology/Technician)	5
24	EMSP 2143 (Assessment Based Management)	1
		60

Capstone Requirement: All students must pass the capstone course (EMSP 2143) to fulfill the requirement for graduation.

Note: EMSP courses listed in each semester must be taken simultaneously and must be taken in the sequence identified in the degree plan.

The Associate of Applied Science Degree in Paramedicine requires that the last 22 hours of EMSP courses be successfully completed at Grayson College.

Certificate Degree Requirements

Paramedic - Certificate

The Certificate of Completion in Paramedicine follows the National EMS Education Standards (2009) curriculum which assists students in acquiring the knowledge and skills to function as beginning practitioners in emergency medical services at the advanced level. Students receive classroom instruction and supervised hospital clinical and coordinated ambulance clinical experience. A grade of “C” or better is necessary in each EMSP course to progress. Upon completion of this program, students will receive a *Certificate of Completion in Paramedicine Award* from Grayson College and may be eligible to sit for the National Registry examination to become certified at the Advanced EMT (AEMT) or Paramedic levels. The Nationally Certified AEMT may be eligible to apply for EMT/Intermediate licensure with the Texas Department of State Health Services. The Nationally Certified Paramedic may be eligible to apply for EMT/Paramedic licensure with the Texas Department of State Health Services. The Department of State Health Services and/or the National Registry of EMTs may deny certification to individuals who have been convicted of a misdemeanor and/or felony.

Sequence	Course to be taken:	Semester Hours
1	EMSP 1338 (Intro to Advanced Practice)	3
2	EMSP 2206 (Emergency Pharmacology)	2
3	EMSP 2137 (Emergency Procedures)	1
4	EMSP 2434 (Medical Emergencies)	4
5	EMSP 1356 (Patient Assessment and Airway Management)	3
6	EMSP 1161 (Clinical-Emergency Medical Tech.)	1
7	EMSP 2330 (Special Populations)	3
8	EMSP 2444 (Cardiology)	4
9	EMSP 2237 (Emergency Procedures)	2
10	EMSP 1147 (Pediatric Life Support)	1
11	EMSP 1355 (Trauma Management)	3
12	EMSP 1149 (Trauma Life Support)	1
13	EMSP 2135 (Adv. Cardiac Life Support)	1

14	EMSP 2162 (Clinical-Emergency Medical Tech.)	1
15	EMSP 2563 (Clinical-Emergency Medical Tech.)	5
16	EMSP 2143 (Assessment Based Management)	1
		36

Capstone Requirement: All students must pass each EMSP course with a "C" or better to graduate.

Note: EMSP courses listed in each semester must be taken simultaneously and must be taken in the sequence identified in the degree plan.

The GC Certificate of Completion in Paramedicine requires that the last 22 hours of EMSP courses be successfully completed at Grayson College.

Occupational Skills Award

EMT - Occupational Skills Award

The Occupational Skills Award - EMT follows the National EMS Education Standards (2009) curriculum which assists students in acquiring the knowledge and skills to function as beginning practitioners in emergency medical services at the basic level. Students receive classroom instruction and supervised hospital clinical and coordinated ambulance clinical experience. A grade of "C" or better is necessary in each EMSP course to progress. Upon completion of this program, students will receive a Occupational Skills Award-EMT from Grayson College and may be eligible to sit for the National Registry examination to become certified at the EMT level. The Nationally Certified EMT may be eligible to apply for EMT/Basic licensure with the Texas Department of State Health Services. The Texas Department of State Health Services and/or the National Registry of EMTs may deny certification to individuals who have been convicted of a misdemeanor and/or felony.

Following completion of the twelve (12) hours of EMSP coursework the student is eligible to test for the NREMT certificate exam

Subject	Semester Hours
First 8 week session	
EMSP 1501 (Emergency Medical Tech.)	5
EMSP 2305 (EMS Operations)	3
Second 8 week session	
EMSP 1460 (Clinical Emergency Medical Tech.)	4
12	

Capstone Requirement: All students must pass the capstone course (EMSP 2143) to fulfill the requirement for graduation.

Note: EMSP courses listed in each semester must be taken simultaneously and must be taken in the sequence identified in the degree plan.

*The Nationally Certified EMT may be eligible to apply for EMT/Basic licensure with the Texas Department of State Health Service.

*Please review your Student Planner or contact your Student Success Coach/Faculty Mentor to review which courses may be used to fill this degree requirement.

EMSP 1147 - Pediatric Life Support

Theory and skills necessary for the management of pediatric or neonatal emergencies. The student will manage a pediatric or neonatal patient in accordance with the American Heart Association (AHA) Pediatric Advanced Life Support (PALS) guidelines.

Grade Basis: L

Credit hours: 1.0

Lecture hours: 1.0

Restrictions:

- Acceptance into the Paramedic Program.

EMSP 1149 - Trauma Life Support

Theory and skills necessary for the management of trauma emergencies. The student will manage a trauma patient in accordance with the requirements of the National Association of EMTs (NAEMT) Prehospital Trauma Life Support (PHTLS) guidelines.

Grade Basis: L

Credit hours: 1.0

Lecture hours: 1.0

Restrictions:

- Acceptance into the Paramedic Program.
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EMSP 1161 - Clinical-Emergency Medical Technology/Technician

A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. As outlined in the learning plan, the student will apply the theory, concepts and skills involving specialized materials, tools, equipment, procedures, regulations, laws, and interactions within and among political, economic, environmental, social, and legal systems associated with the occupation and the business/industry, and will demonstrate legal and ethical behavior, safety practices, interpersonal and teamwork skills, and appropriate written and verbal communication skills using the terminology of the occupation and the business/industry.

Grade Basis: P

Credit hours: 1.0

Lab hours: 6.0

Restrictions:

- Acceptance into the Paramedic program.
-

EMSP 1338 - Introduction to Advanced Practice

Fundamental elements associated with emergency medical services to include preparatory practices, pathophysiology, medication administration, and related topics. The student will describe the roles and responsibilities of advanced EMS personnel within the EMS system; apply concept of pathophysiology and pharmacology to the assessment and management of emergency patients; administer medications; employ effective communication; interpret medical/legal issues; demonstrate ethical behaviors; and discuss well-being of the paramedic

Grade Basis: L

Credit hours: 3.0

Lecture hours: 3.0

Lab hours: 1.0

Restrictions:

- Acceptance into the Paramedic program.
-

EMSP 1355 - Trauma Management

Knowledge and skills in the assessment and management of patients with traumatic injuries. The student will integrate the pathophysiological assessment findings to formulate a field impression; implement the treatment plan for the trauma patient; and integrate multiple determinants of trauma conditions into clinical care.

Grade Basis: L

Credit hours: 3.0

Lecture hours: 3.0

Lab hours: 1.0

Restrictions:

- Acceptance into the Paramedic program.
-

EMSP 1356 - Patient Assessment and Airway Management

Knowledge and skills required to perform patient assessment, airway management, and artificial ventilation. The student will perform a history and comprehensive physical exam on various patient populations; establish and/or maintain a patent airway; and demonstrate oxygenation and ventilation of a patient; differentiate respiratory distress, failure and arrest; and interpret results of monitoring devices.

Grade Basis: L

Credit hours: 3.0

Lecture hours: 3.0

Lab hours: 1.0

Restrictions:

- Acceptance into the Paramedic program.
-

EMSP 1460 - Clinical Emergency Medical Technology/Technician

A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional.

Grade Basis: P

Credit hours: 4.0

Lab hours: 24.0

Restrictions:

- Pre-entrance physical exam and health statement, documentation of required immunizations, pass drug screen, pass criminal background check, documentation of CPR for Healthcare Providers from American Heart Association.
 - Must be taken in sequence as listed in degree plan.
-

EMSP 1501 - Emergency Medical Technician

This course is preparation for Certification as an Emergency Medical Technician (EMT) - Basic. The student will develop proficiency in cognitive, psychomotor and affective domains for the EMT in accordance with the current Emergency Medical Services guidelines.

Grade Basis: L

Credit hours: 5.0

Lecture hours: 4.0

Lab hours: 4.0

Restrictions:

- Pre-entrance physical exam and health statement, documentation of required immunizations, pass drug screen, pass criminal background check, documentation of CPR for Healthcare Providers from American Heart Association.
 - Concurrent enrollment in EMSP 2305 is required.
-

EMSP 2135 - Advanced Cardiac Life Support

Theory and skills necessary for the management of cardiovascular emergencies as specified by the American Heart Association (AHA) guidelines. The student will manage a cardiovascular patient according to the American Heart Association (AHA) Advanced Cardiac Life Support ACLS guidelines.

Grade Basis: L

Credit hours: 1.0

Lecture hours: 1.0

Restrictions:

- Acceptance into the Paramedic program.
-

EMSP 2137 - Emergency Procedures

Application of emergency procedures. The student will integrate theory and skills mastered in other courses; and demonstrate comprehensive problem-solving techniques.

Grade Basis: L

Credit hours: 1.0

Lecture hours: 3.0

Restrictions:

- Acceptance into the Paramedic program.
-

EMSP 2143 - Assessment Based Management

A Capstone course covering comprehensive, assessment based patient care management. Includes specific care when dealing with pediatric, geriatric, and special-needs patients. The student will integrate pathophysiological principles and assessment findings to formulate a field impression; and implement a treatment plan.

Grade Basis: L

Credit hours: 1.0

Lab hours: 3.0

Restrictions:

- Acceptance into the Paramedic program.
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EMSP 2162 - Clinical-Emergency Medical Technology/Technician

A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. As outlined in the learning plan, the student will apply the theory, concepts and skills involving specialized materials, tools, equipment, procedures, regulations, laws, and interactions within and among political, economic, environmental, social, and legal systems associated with the occupation and the business/industry, and will demonstrate legal and ethical behavior, safety practices, interpersonal and teamwork skills, and appropriate written and verbal communication skills using the terminology of the occupation and the business/industry.

Grade Basis: P

Credit hours: 1.0

Lab hours: 6.0

Restrictions:

- Acceptance into the Paramedic program.
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EMSP 2206 - Emergency Pharmacology

A study of drug classifications, actions, therapeutic uses, adverse effects, routes of administration, and calculation of dosages. The student will utilize knowledge of pharmacological concepts to demonstrate safe administration of medications in emergency settings.

Grade Basis: L

Credit hours: 2.0

Lecture hours: 2.0

Lab hours: 1.0

Restrictions:

- Acceptance into the Paramedic program.
-

EMSP 2237 - Emergency Procedures

Application of emergency procedures. The student will integrate theory and skills mastered in other courses; and demonstrate comprehensive problem-solving techniques.

Grade Basis: L

Credit hours: 2.0

Lecture hours: 1.0

Lab hours: 2.0

Restrictions:

- Acceptance into the Paramedic program.
-

EMSP 2305 - EMS Operations

Knowledge and skills to safely manage multi-casualty incidents and rescue situations; utilize air medical resources; identify hazardous materials and other specialized incidents.

Grade Basis: L

Credit hours: 3.0

Lecture hours: 3.0

Restrictions:

- Pre-entrance physical exam and health statement, documentation of required immunizations, pass drug screen, pass criminal background check, documentation of CPR for Healthcare Providers from American Heart Association.
 - Concurrent enrollment in EMSP 1501 required.
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EMSP 2330 - Special Populations

Knowledge and skills necessary to assess and manage ill or injured patients in diverse populations to include neonatology, pediatrics, geriatrics, and other related topics. The student will integrate pathophysiology assessment findings to formulate a field impression, implement a treatment plan for diverse patients of special populations; and integrate multiple determinants of such conditions into clinical care.

Grade Basis: L

Credit hours: 3.0

Lecture hours: 3.0

Lab hours: 1.0

Restrictions:

- Acceptance into the Paramedic program.
-

EMSP 2434 - Medical Emergencies

Knowledge and skills in the assessment and management of patients with medical emergencies, including medical overview, neurology, gastroenterology, immunology, pulmonology, urology, hematology, endocrinology, toxicology, and other related topics. The student will integrate pathophysiology assessment finding to formulate a field impression; implement a treatment plan for the medical patient; and integrate multiple determinants of medical condition into clinical care.

Grade Basis: L

Credit hours: 4.0

Lecture hours: 4.0

Lab hours: 1.0

Restrictions:

- Acceptance into the Paramedic program.
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EMSP 2444 - Cardiology

Assessment and management of patients with cardiac emergencies. Includes single and multi-lead ECG interpretation. The student will integrate the pathophysiological principles and assessment findings to formulate a field impression; and implement a treatment plan for the cardiac patient.

Grade Basis: L

Credit hours: 4.0

Lecture hours: 3.0

Lab hours: 3.0

Restrictions:

- Acceptance into the Paramedic program.
-

EMSP 2563 - Clinical-Emergency Medical Technology/Technician

A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. As outlined in the learning plan, the student will apply the theory, concepts and skills involving specialized materials, tools, equipment, procedures, regulations, laws, and interactions within and among political, economic, environmental, social, and legal systems associated with the occupation and the business/industry, and will demonstrate legal and ethical behavior, safety practices, interpersonal and teamwork skills, and appropriate written and verbal communication skills using the terminology of the occupation and the business/industry.

Grade Basis: P

Credit hours: 5.0

Lab hours: 18.0

Restrictions:

- Acceptance into the Paramedic program.
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Last updated: 05/31/2019

Grayson College

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