Emergency Medical Services

Hurricane Education Center
112 South 700 West
Hurricane, UT 84737
435-879-4950
https://health.dixie.edu/ems/

To find faculty and staff phone numbers and email addresses, please consult the University Directory (http://www.dixie.edu/directory/directory.php).

Program Director
Shanna Alger, RN, Paramedic, BA, CCEMTP

Health Sciences Advisor
Christian Wright

Dean
Eliezer Bermúdez, PhD

Department Chair
Drew Wilcox, PTA, MHA

Administrative Assistant
Kathryn Preiss

Program Description
The Emergency Medical Services (EMS) Program is designed to prepare students for career opportunities in pre-hospital emergency care, such as ambulance, fire department, search and rescue, law enforcement, and volunteer service. Pre-hospital emergency care involves a wide scope of activities such as recognition and management of patients with heart disease, trauma, burns, poisoning, alcohol and drug abuse, childbirth, acute psychiatric disorders, and other medical emergencies. Curricula for all EMS courses are based on the National Standard Curriculum.

Our goal is to prepare competent entry level paramedic/EMTs in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains.

Accreditation
The EMS Program is accredited through the Commission on Accreditation of Allied Health Education Programs (CAAHEP). CAAHEP can be contacted at:

CAAHEP
25400 US Highway 19 North, Suite 158
Clearwater, FL 33763
Phone: 727-210-2350
www.caahep.org (http://www.caahep.org)

Paramedic Program Goals as defined by CAAHEP/COAEMSP
The paramedic program will “prepare competent entry-level Paramedics in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains,” with or without exit points at the Emergency Medical Responder, Emergency Medical Technician, and Advanced EMT levels.

Course Prefixes
• EMS

Degrees and Certificates
• Associate of Applied Science in Emergency Medical Services (catalog.dixie.edu/programs/emergencymedicalservices/associate_of_applied_science_in_emergency_medical_service)

• Advanced Emergency Medical Technician – Certificate of Proficiency (AEMT)* (catalog.dixie.edu/programs/emergencymedicalservices/advanced_emt_certificate_of_proficiency)
• Emergency Medical Technician – Certificate of Proficiency (EMT)* (catalog.dixie.edu/programs/emergencymedicalservices/emt_certificate_of_proficiency)

• Paramedic Certificate of Completion (catalog.dixie.edu/programs/emergencymedicalservices/paramedic_certificate_of_proficiency)

Program Admission

To be considered for admission to the Paramedic program, an applicant must first be admitted as a Dixie State University student. Then, the applicant must complete a separate application to the Paramedic program. Applications for admission to the Paramedic program are available online (https://health.dixie.edu/ems). The deadline for submitting application is October 1.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>BIOL 2320 &amp; BIOL 2325</td>
<td>Human Anatomy and Human Anatomy Lab</td>
<td>5</td>
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<tr>
<td>BIOL 2420 &amp; BIOL 2425</td>
<td>Human Physiology and Human Physiology Lab</td>
<td>4</td>
</tr>
<tr>
<td>ENGL 1010 or ENGL 1010A or ENGL 1010D</td>
<td>Introduction to Writing (EN) or Honors Intro to Writing (EN) or Introduction to Writing (EN)</td>
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<tr>
<td>MATH 1000 or MATH 1010</td>
<td>Transitional Mathematics II or Intermediate Algebra</td>
<td>4</td>
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| or Math Placement score 23 or higher | 0 |

NOTE: Average GPA 2.0 required in prerequisite classes

Adjustment or changes to prerequisites/corequisites courses will be handled on an individual basis.

After students have completed prerequisites courses, in order to qualify for admittance into the Paramedic Program, a complete application, which includes all of the following, must be submitted:

• Admission to Dixie State University
• Completed DSU Paramedic Program Application
• 2 Confidential Recommendation Forms
• Proof of current EMT certification
• Official Transcripts
• Personal Letter, which should include why you want to be a Paramedic, why you feel you should be admitted into the program, and other information you think the Advisory Board will find useful in making its selections.
• Receipt for $25.00 Application Fee

A candidate who has submitted a complete application by the deadline of October 1st will be scheduled for skills testing and an interview which will be judged by the candidate’s exhibition of prudence and good judgment, answers to scenario based questions, and competence. Oral interviews are conducted at Dixie State University beginning October 10.

The application and interview will then be reviewed by a panel that will select the top 12 applicants to be accepted into the program, as well as possible alternatives in case space becomes available. All applicants will receive written formal notification of their status via U.S. mail. A candidate who is declined acceptance may reapply the following year, but will be required to submit a new application.

Once admitted to the Paramedic program, students may pursue either a Paramedic Certificate or an Associate of Applied Science in Emergency Medical Services.

Career Information

Career Strategies

What does it take to be a successful paramedic?

• Compassion - EMTs and paramedics must provide emotional support to patients in an emergency, especially patients who are in life-threatening situations or extreme mental distress.
• Interpersonal skills - EMTs and paramedics almost always work on teams and must be able to coordinate their activities closely with others in stressful situations.
• Listening skills - EMTs and paramedics need to listen to patients to determine the extent of their injuries or illnesses.
• Physical strength - EMTs and paramedics need to be physically fit. Their job requires a lot of bending, lifting, and kneeling.
• Problem-solving skills - EMTs and paramedics need strong problem-solving skills. They must evaluate patients’ symptoms and administer the appropriate treatments.
• Speaking skills - EMTs and paramedics need to be able to comfort and explain procedures to the patient, give orders, and relay information to others.

Career Opportunities*
Approximately 48% of EMTs/paramedics are employed by ambulance services. Twenty-nine percent work for local governments, and the remaining 17% work directly for hospitals. The DSU Paramedic Program currently has a 100% job placement.

Job Outlook*
The growth rate in jobs for EMTs/paramedic from 2010 to 2020 is extraordinary at 33%, which is much faster than the average for all professions.

Salary Range*
The median wage for an experienced EMT/paramedic is $31,980.

* From the Occupational Outlook Handbook, 2015

Courses
EMS 1110. Emergency Medical Technician-Intro to Emergency Medical Services. 4 Hours.
Open to students who have current CPR certification (American Heart Association-Health Care Provider/American Red Cross-Professional Rescuer). Presents instruction in the theory and practice of first aid, providing students with knowledge and skills necessary to meet common emergencies associated with injury and illness. Topics include CPR, well-being, roles and responsibilities, medical/legal, ethics, lifting & moving, Pt assessment, Airway management, Packaging, bandage/splint, Hazardous Materials, Triage & Terrorism, Mass Casualty Incidents, and disaster management. All co-requisite courses must be completed in the same semester. **COURSE LEARNING OUTCOMES (CLOs) At the successful conclusion of this course, students will be able to: 1. Show competency and skill mastery and be able to perform as an entry level Emergency Medical Technician. The student may be eligible for testing and certification at National Registry of Emergency Medical Technician EMT level with the recommendation of the course coordinator and medical director. The curriculum meets the requirements for the National Registry of Emergency Medical Technicians (NREMT) and students are eligible to obtain a national certification and EMT license in the State of Utah. Course fee required. Corequisites: EMS 1120, EMS 1140, EMS 1145. FA, SP.

EMS 1120. Emergency Medical Technician Practicum. 0.5 Hours.
A 12 hour clinical rotation shift is required at a contracted clinical site. Hours can be completed in the Hospital Emergency Department or an Ambulance service. The clinical rotation provides hands-on education with an assigned preceptor in a real life situation. All co-requisite courses must be completed in the same semester. **COURSE LEARNING OUTCOMES (CLOs) At the successful conclusion of this course, students will be able to: 1. Complete a minimum of 12 hours in an approved ambulance agency or Hospital Emergency Department. Students will be evaluated by a preceptor on skills mastery of basic life support, knowledge of Emergency Medical Technician protocols, vital signs interpretation, skills and affective abilities. Supervised real patient care will enable understanding and use of skills performed by the emergency medical technician. Corequisites: EMS 1110, EMS 1140, EMS 1145. FA, SP.

EMS 1140. Emergency Medical Technician Patient Management. 4 Hours.
Includes basic knowledge and skills necessary to provide basic patient management and transportation. Topics include Cardiac emergency management, respiratory emergencies, endocrine emergencies, allergies & anaphylaxis, bone and joint injuries, dressings and bandages, sudden illness, and emergency childbirth. Successful completion and recommendation from program coordinator and medical director will provide eligibility for testing and certification at the National Registry of Emergency Medical Technician (NREMT) EMT level. Upon successful completion of the NREMT certification, students are eligible for licensure from the Utah Bureau of Emergency Medical Services at the EMT level. All co-requisite courses must be completed in the same semester. **COURSE LEARNING OUTCOMES (CLOs) At the successful conclusion of this course, students will be able to: 1. Show competency and skill mastery and be able to perform as an entry level Emergency Medical Technician. Students may be eligible for testing and certification at National Registry of Emergency Medical Technician EMT level with the recommendation of the course coordinator and medical director. The curriculum meets the requirements for the National Registry of EMTs and students are eligible to obtain a national certification and EMT license in the State of Utah. Corequisites: EMS 1110, EMS 1120, EMS 1145. FA, SP.
EMS 1145. Emergency Medical Technician Lab. 2.5 Hours.
Emergency Medical Technician lab will provide practical learn of skills and National Registry competencies. These competencies include patient assessment, patient history taking, basic airway adjuncts, airway management, insertion of Nasopharyngeal Airway/Oropharyngeal airway (NPA/OPA), basic vital signs, patient assisted medications, suctioning, bandaging, splinting, lifting and moving patients, extraction of patients from cars, home, office, and other various locations. Students are required to complete an 8 station practical exam. Upon successful completion, students may be recommended for testing and licensure at the Emergency Medical Technician (EMT) level. All co-requisite courses must be completed in the same semester. **COURSE LEARNING OUTCOMES (CLOs) At the successful conclusion of this course, students will be able to: 1. Show competency and skill mastery and be able to perform as an entry level Emergency Medical Technician(EMT). The student may be eligible for testing and certification at National Registry of Emergency Medical Technicians (NREMT) EMT level with the recommendation of the course coordinator and medical director. The curriculum meets the requirements for the National Registry of EMTs and students are eligible to obtain a national certification and EMT license in the State of Utah. Course fee required. Corequisites: EMS 1110, EMS 1120, EMS 1140. FA, SP.

Includes basic knowledge and skills necessary to provide basic and limited advanced patient care and transportation. Includes interventions with basic and advanced equipment typically found in an ambulance, IV insertion, medication administration, advanced airway management, and advanced cardiac resuscitation procedures with the goal of producing competent entry level A-EMTs to serve in career and volunteer positions within the EMS system. Includes 160 hours of lecture, practical lab skills, and clinical rotation hours. Prerequisites: EMS 1100. SP.

EMS 2200. Paramedic Training I. 7.5 Hours.
First semester course. The first of 5 paramedic courses includes lecture, laboratory, and clinical training in topics such as EMS communications, wellbeing of the paramedic, medical and legal responsibilities, pharmacology, pathophysiology, history taking, ventilatory management, suctioning, manual maneuvers, IV therapy, sterile techniques, IV medications/administration, and patient assessment. Course fee required. Prerequisite: Admission to the Dixie State University Paramedic degree or certificate program. SP.

EMS 2300. Paramedic Training II. 7.5 Hours.
First semester course. Open to students who have had the EMT certificate for at least 1 year. The first of 5 paramedic courses which includes lecture, laboratory, and clinical training in topics such as EMS communications, wellbeing of the paramedic, medical and legal responsibilities, pharmacology, pathophysiology, history taking, advanced ventilatory management, bag valve mask, mouth to mask, mouth to mouth/nose, ET insertion, EOA insertion, NPA insertion, OPA insertion, suctioning, manual maneuvers, IV therapy/sterile techniques, IV medications and their administration, and patient assessment. Prerequisite: Admission to the Dixie State University Paramedic Certificate program. SP.

EMS 2400. Paramedic Training III. 8 Hours.
Second semester course. Includes lecture, laboratory, and clinical training in topics such as advanced pediatric management, OB/GYN emergencies, cold weather rescue, environmental emergencies, neurology, endocrinology, gastroenterology, pulmonary emergencies, cricothyrotomy, chest venting, external jugular cannulation, toxicology, hematology, nasogastric tube insertion, and Foley catheter insertion. Course fee required. Prerequisite: Admission to the Dixie State University Paramedic degree or certificate program. SU.

EMS 2500. Paramedic Training IV. 8 Hours.
Second semester course. Includes lecture and laboratory training in topics such as spinal immobilization of the lying and sitting patients, chest needle decompression, IV/Bolus/Piggy Back medications, bleeding, wound care, shock, long bone splinting, head / face trauma, thoracic trauma, abdominal trauma, ventilatory management, dynamic cardiology, static cardiology, and extrication, mass casualty management, abuse and neglect, crime scene awareness, and hazardous materials. PHTLS certification included. 10 lecture hours per week; additional hours for ride-along and field course required. Prerequisite: Admission to the Dixie State University Paramedic Certificate program. SU.

EMS 2600. Paramedic Training V. 12 Hours.
Third semester course. Hands-on practice of current and previously learned skills. Includes lecture and out-of-classroom education in high angle rescue, swift water rescue, farmedic course, aeromedicine, ongoing field assessment and evaluation of the student's performance and competency. AMLS certification included. Lecture hours plus 144 hours field rotation and 120 clinicals required. Assists the student in preparation for state and national certification. Course fee required. Prerequisite: Admission to the Dixie State University Paramedic Certificate program. FA.