Emergency Medical Services

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http://health.dixie.edu/ems/

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

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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.

Accreditation

The EMS Program is accredited through the Joint Review Committee on Education Programs for EMT-Paramedic, which can be contacted at:

Joint Review Committee on Education Programs for the EMT-Paramedic
7108-C South Alton Way Suite 150
Englewood CO 80112-2106
(303) 694-6191
www.caahep.org (http://www.caahep.org)

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 $30,360.

* From the Occupational Outlook Handbook

Admission to the Paramedic Program

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 (http://dixie.edu/health/ems). The deadline for submitting applications is October 1.

Prerequisite Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 2320 &amp; BIOL 2325</td>
<td>Human Anatomy and Human Anatomy Lab</td>
<td>5</td>
</tr>
<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</td>
<td>3</td>
</tr>
<tr>
<td>MATH 1000</td>
<td>Transitional Mathematics II</td>
<td>3</td>
</tr>
<tr>
<td>MATH 1010</td>
<td>Intermediate Algebra</td>
<td>4</td>
</tr>
</tbody>
</table>

Math Placement score 23 or higher

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.

Course Prefixes

- EMS

Degrees & 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)
Courses

EMS 1100. EMT. 9 Hours.
Open to students who have current CPR certification (AHA-HCP/RC-Pref. Res.). 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, bone and joint injuries, dressings and bandages, sudden illness, and emergency childbirth. Successful completers will be prepared to take the Utah EMT certification test. Course fee required. Prerequisite: Admission to the Dixie State University Emergency Medical Technician program. FA.

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. FA.

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. SP.

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. SU.