Emergency Medical Services (EMS)

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. This course requires a Differential Tuition Rate which is an additional fee of $80 charged per credit hour. **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. This course requires a Differential Tuition Rate which is an additional fee of $80 charged per credit hour. **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. This course requires a Differential Tuition Rate which is an additional fee of $80 charged per credit hour. **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. This course requires a Differential Tuition Rate which is an additional fee of $80 charged per credit hour. **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. This course requires a Differential Tuition Rate which is an additional fee of $80 charged per credit hour. Prerequisites: EMS 1100. SP.
EMS 2200. Paramedic Training I (ALPP). 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. This course is designated as an Active Learning Professional Practice (ALPP) course. This course allows students to explore and apply content learned in the course in a professional experience away from the classroom. This course requires a Differential Tuition Rate which is an additional fee of $80 charged per credit hour. **COURSE LEARNING OUTCOMES (CLOs) At the successful completion of this course, students will be able to: 1. Describe the effects of EMS experiences on the wellbeing of the paramedic. 2. Communicate the concepts of pharmacology, pathophysiology, history taking, ventilator management, sterile techniques and medication administration. 4. Explain and apply content learned in a professional experience away from the classroom. Course fee required. Prerequisite: Admission to the Dixie State University Paramedic degree or certificate program. SP.

EMS 2300. Paramedic Training II (ALPP). 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. This course is designated as an Active Learning Professional Practice (ALPP) course. This course allows students to explore and apply content learned in the course in a professional experience away from the classroom. This course requires a Differential Tuition Rate which is an additional fee of $80 charged per credit hour. **COURSE LEARNING OUTCOMES (CLOs) At the successful conclusion of this course, students will be able to: 1. Demonstrate EMS communication skills including history taking, manual maneuvers, patient assessment. 2. Provide IV therapy/sterile technique IV medication administration and ET insertion. 3. Earn certification in ACLS and PEPP. 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. This course is designated as an Active Learning Professional Practice (ALPP) course. This course allows students to explore and apply content learned in the course in a professional experience away from the classroom. This course requires a Differential Tuition Rate which is an additional fee of $80 charged per credit hour. **COURSE LEARNING OUTCOMES (CLOs) At the successful conclusion of this course, students will be able to: 1. Describe advanced pediatric management, OB/GYN emergencies, environmental emergencies. 2. Perform cricothyrotomy, chest venting, external jugular cannulation, toxicology, hematology, nasogastric tube insertion. 3. Verbalize the process for trauma assessment. Course fee required. Prerequisite: Admission to the Dixie State University Paramedic degree or certificate program. SU.

EMS 2500. Paramedic Training IV. 8 Hours.
This course is designated as an Active Learning Professional Practice (ALPP) course. This course allows students to explore and apply content learned in the course in a professional experience away from the classroom. This course requires a Differential Tuition Rate which is an additional fee of $80 charged per credit hour. **COURSE LEARNING OUTCOMES (CLOs) At the successful completion of this course, students will be able to: 1. Demonstrate competency in field activities which includes 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. 2. Earn PHTLS certification upon completion of the course. Prerequisite: Admission to the Dixie State University Paramedic Certificate program. SU.

EMS 2600. Paramedic Training V. 12 Hours.
This course is designated as an Active Learning Professional Practice (ALPP) course. This course allows students to explore and apply content learned in the course in a professional experience away from the classroom. This course requires a Differential Tuition Rate which is an additional fee of $80 charged per credit hour. **COURSE LEARNING OUTCOMES (CLOs) At the successful completion of this course, students will be able to: 1. Demonstrate competency with hands-on practice of current and previously learned skills. Includes out-of-classroom education in high angle rescue, swift water rescue, paramedic course, aeromedicine, ongoing field assessment and evaluation. 2. Earn AMLS certification upon completion of the course. 3. Exhibit preparation for state and national certification exams. Course fee required. Prerequisite: Admission to the Dixie State University Paramedic Certificate program. PA.