Emergency Medical Services (EMS)

EMS 1110. Emergency Medical Technician-Intro to Emergency Medical Services. 5 Hours.
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 completion of this course, students will be able to: 1. Differentiate effective time management abilities in providing patient care. 2. Illustrate reasonable critical thinking skills in treating mock patients. 3. Devise a leadership/management plan for scene management and patient care. 4. Illustrate proper communication techniques in patient care, including a diverse patient grouping. 5. Survey constructive feedback for areas of personal improvement. Corequisites: EMS 1120, EMS 1140, EMS 1145. FA, SP.

EMS 1120. Emergency Medical Technician Practicum. 1.5 Hour.
Two 12 hour clinical rotation shifts are 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. Demonstrate mastery of basic life support, knowledge of Emergency Medical Technician protocols, vital signs interpretation, skills and affective abilities. 2. Integrate EMT protocols and skills into effective patient care. 3. Produce proof of understanding and use of skills performed by the emergency medical technician. 4. Apply evidence based practice under EMT scope. Corequisites: EMS 1110, EMS 1140, EMS 1145. FA, SP.

EMS 1140. Emergency Medical Technician Patient Management. 5 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. Differentiate effective time management abilities in providing patient care. 2. Illustrate reasonable critical thinking skills in treating mock patients. 3. Devise a leadership/management plan for scene management and patient care. 4. Illustrate proper communication techniques in patient care, including a diverse patient grouping. 5. Survey constructive feedback for areas of personal improvement. Corequisites: EMS 1110, EMS 1140, 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. Demonstrate effective mastery and application of EMT competencies including 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. 2. Illustrate reasonable critical thinking skills in treating mock patients. 3. Prepare and implement a leadership/management plan for scene management and patient care. 4. Illustrate proper communication techniques in patient care, including a diverse patient grouping. 5. Survey constructive feedback for areas of personal improvement. Corequisites: EMS 1110, EMS 1120, EMS 1145. FA, SP.

EMS 1210. Introduction to Advanced Emergency Medical Technician (AEMT). 5 Hours.
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 AEMTs to serve in career and volunteer positions within the EMS system. 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. Differentiate effective time management abilities in providing patient care appropriate to the AEMT. 2. Illustrate reasonable appropriate AEMT critical thinking skills in treating mock patients. 3. Devise a leadership/management plan for scene management and patient care. 4. Illustrate proper communication techniques in patient care, including a diverse patient grouping. 5. Survey constructive feedback for areas of personal improvement. Course fee required. Corequisites: Current EMT Certification or EMS 1110 and EMS 1120 and EMS 1140 and EMS 1145 (All grade C or higher). Corequisites: EMS 1220, EMS 1240 and EMS 1245. FA.
EMS 1220. Advanced Emergency Medical Technician Practicum. 2 Hours.
Open to students who have a current EMT certification. Two A 12 hour clinical rotation shifts are 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 24 hours in an approved ambulance agency or Hospital Emergency Department. 2. Demonstrate mastery of basic life support, knowledge of Emergency Medical Technician protocols, vital signs interpretation, skills and affective abilities. 3. Integrate AEMT protocols and skills into effective patient care. 4. Demonstrate understanding and application of skills performed by the advanced emergency medical technician. 5. Apply evidence-based practice under AEMT scope. Course fee required. Prerequisites: Current EMT Certification or EMS 1110 and EMS 1120 and EMS 1140 and EMS 1145 (All grade C or higher). Corequisites: EMS 1210, EMS 1240 and EMS 1245. FA, SP.

EMS 1240. Advanced Patient Management. 5 Hours.
Includes advanced knowledge and skills necessary to provide advanced patient management and transportation. Topics include advanced skill in 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) AEMT level. Upon successful completion of the NREMT certification, students are eligible for licensure from the Utah Bureau of Emergency Medical Services at the AEMT 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. Differentiate effective time management abilities in providing advanced patient care. 2. Illustrate reasonable critical thinking skills in treating mock patients as appropriate for the AEMT. 3. Devise a leadership/management plan for scene management and patient care appropriate for the AEMT. 4. Illustrate proper communication techniques in patient care, including a diverse patient grouping. 5. Survey constructive feedback for areas of personal improvement. Course fee required. Prerequisites: Current EMT Certification or EMS 1110 and EMS 1120 and EMS 1140 and EMS 1145 (All grade C or higher). Corequisites: EMS 1210, EMS 1220, EMS 1245. FA.

EMS 1245. Advance Emergency Medical Technician Lab. 2.5 Hours.
Open to students who have a current EMT certification and admitted to AEMT certificate program. Course includes laboratory training in but not limited to advance cardiacl life support, advance airway management, intravenous insertion and maintenance, intraosseous insertion, advanced trauma life support and medication administration. 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 effective mastery and application of AEMT competencies including patient assessment, patient history taking, advance cardiacl life support, advance airway management, intravenous insertion and maintenance, intraosseous insertion, advanced trauma life support and medication administration. 2. Illustrate AEMT appropriate critical thinking skills in treating mock patients. 3. Prepare and implement a leadership/management plan for scene management and patient care. 4. Illustrate AEMT appropriate communication techniques in patient care, including a diverse patient grouping. 5. Survey constructive feedback for areas of personal improvement. Course fee required. Prerequisites: Current EMT Certification or EMS 1110 and EMS 1120 and EMS 1140 and EMS 1145 (All grade C or higher). Corequisites: EMS 1210, EMS 1220, EMS 1245. FA.

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 conclusion 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. FA.