

Emergency Services Emergency Care (ESEC)

ESEC 1140

Emergency Medical Technician Basic 9:7:6 On Sufficient Demand

For first semester Fire Science students. Prepares students for certification as an Emergency Medical Technician-Basic through the Utah Bureau of EMS. Includes CPR, automatic defibrillation, patient assessment and treatment, legal issues, airway support, medical and trauma emergencies, emergency childbirth, pediatric emergencies and patient movement/transport. Course Lec Fee of \$229 applies.

ESEC 114A

Emergency Medical Technician-Part I 3:3:0 Fall, Spring, Summer

* Corequisite(s): ESEC 114B and ESEC 114C

Applies fundamental knowledge of the EMS system, safety and well-being of the EMT, medical and legal and ethical issues to the provision of emergency care. Prepares students for certification as an Emergency Medical Technician-Basic through the Utah Bureau of EMS. First of three courses required for EMT-Basic certification. May be delivered online.

ESEC 114B

Emergency Medical Technician-Part II 4:4:0 Fall, Spring, Summer

* Corequisite(s): ESEC 114A and ESEC 114C

Provides background information and knowledge about EMT kinesthetic skills, including medical assessments, trauma assessment, pharmacology, special patient populations, and EMS operations.

ESEC 114C

Emergency Medical Technician-Part III 2:0:6 Fall, Spring, Summer

* Corequisite(s): ESEC 114A and ESEC 114B

Demonstrates mastery of kinesthetic skills, including medical assessments, trauma assessment, pharmacology, special patient populations, and EMS operations. Course Lab fee of \$71 for supplies applies. Course fee of \$229 for FISDAP study tools applies.

ESEC 1150

EMT Refresher Level I 2:1:2 On Sufficient Demand

* Prerequisite(s): ESEC 1140 OR (ESEC 114A and ESEC 114B and ESEC 114C)

Provides in-service refresher information to maintain EMT Level I certification based on the D.O.T. requirements for emergency medical technicians. Focuses on required EMT skill mastery. Course fee of \$50 for materials, equipment, state services & testing applies.

ESEC 3060

Emergency Medical Technician-Advanced 9:7:6 Fall, Spring

* Prerequisite(s): EMT Level Certification and University Advanced Standing

Prepares students for certification as an Emergency Medical Technician-Advanced through the Utah Bureau of EMS. Includes Life span development, advanced airway management, intravenous access, medication administration, cardiac rhythm interpretation and other advanced medical skills. Course Lab fee of \$62 for supplies applies. Course fee of \$168 for certification materials applies.

ESEC 3110

Paramedic I 5:5:0 Fall, Spring

* Prerequisite(s): EMT-Basic Certification for one-year and University Advanced Standing; Departmental approval or completion of the following courses with a grade of C- or higher: ZOOL 1090 or higher, ENGH 1000 or higher, MAT 0990 or higher or ESFO 1350
* Corequisite(s): ESEC 3120, ESEC 3130, and ESEC 3140

Introduces the Emergency Medical Services system and the role of the paramedic. Covers pre-hospital instruction for the care of the sick and injured including lectures in EMS communication, medical and legal considerations and documentation. Includes anatomy and physiology of the human body as it applies to emergency care. Discusses proper sterile technique, scene evaluations, and patient assessments. Covers acid/base, fluid and electrolytes and fluid resuscitation, patient assessment and emergency treatment of the respiratory and abdominal systems. Requires individual written research projects with a review of literature pertaining to current coursework. Course fee of \$369 for FISDAP study tools applies.

ESEC 3120

Paramedic I Lab 3:0:9 Fall, Spring

* Prerequisite(s): University Advanced Standing

* Corequisite(s): ESEC 3110, ESEC 3130, and ESEC 3140

Designed to allow hands-on practice and evaluation of the following skills: IV therapy, IO infusions, IM injections, SQ injections, oral and nasal intubation, thoracotomy, cricothyrotomy, defibrillation, transcutaneous pacing, cardioversion, medication delivery, and patient assessment. Completers should be qualified to progress to the second semester program. Course fee of \$103 for materials applies.

ESEC 3130

Paramedic II 7:6:3 Fall, Spring

* Prerequisite(s): University Advanced Standing

* Corequisite(s): ESEC 3110, ESEC 3120, and ESEC 3140

Discusses the Emergency Medical Services system and the role of the paramedic. Covers pre-hospital instruction for the care of the sick and injured including lectures in pharmacology, cardiac rhythm and monitoring, ACLS, patient assessment and emergency treatment for the cardiac system, central nervous system and musculo-skeletal system. Includes mechanism of injury, burns, and the assessment and treatment of trauma patients. Requires individual written research projects with a review of literature pertaining to current coursework. Course Lab fee of \$50 for materials/supplies applies.

ESEC 3140

Paramedic III 4:4:0 Fall, Spring

* Prerequisite(s): University Advanced Standing

* Corequisite(s): ESEC 3110, ESEC 3120, and ESEC 3130

Discusses the Emergency Medical Services system and the role of the paramedic. Covers pre-hospital instruction for the care of the sick and injured including lectures in diabetes, alcoholism, overdose and ingestion, and communicable diseases. Includes pediatrics (PALS), obstetrics, childbirth, care of the neonate, geriatrics, incident command system (ICS), interpersonal skills, and critical incident stress. Requirements also include individual written research projects with a review of literature pertaining to current coursework. Course Lab fee of \$72 for materials/supplies applies.

