

## Emergency Medical Services

**Award Type:** Associate in Science

The associate in science degree in emergency medical services prepares students to be entry-level technician positions capable of providing emergency medical care and transportation as well as the ability to professionally interact with allied medical team members.

**The graduate of the Associate in Science in Emergency Medical Services will:**

- Identify minimum qualifications and entry-level skills for an EMT-1 Basic.
- Describe the following elements: application process; written exam process; physical agility testing; and oral interview.
- Identify the history of EMS and the impact of culture and diversity within that history.
- Demonstrate the role and responsibilities of EMTs as professionals in the health care system interacting with other allied health personnel.
- Demonstrate the process for conducting patient assessments in a variety of pre-hospital situations for clients of various ages.
- Recognize the signs and symptoms of life threatening situations and be able to triage clients accurately, formulating and evaluating treatment plans for patients of various ages in pre hospital settings.
- Develop, demonstrate and evaluate treatment plans for patient's forms of trauma.
- Demonstrate the principles and practices for organizing an accident scene when an ambulance is required including: a) analyzing a multiple casualty incident (MCI) and directing resources approximately in a timely manner, and b) organizing appropriate scene response, scene size up, initial assessment, focused assessment, detailed assessment and appropriate medical care of clients of various ages.
- Differentiate the incidence, morbidity and mortality of soft tissue injuries in trauma patients.
- Create a treatment plan based on the patient's presenting signs and symptoms.
- Demonstrate the ability to revise the treatment plan based on the patient's needs and changes in physical and psychosocial baselines.
- Collect and construct a concise and detailed patient report.
- Demonstrate competency using aseptic technique when using emergency equipment.
- Demonstrate the safe driving and operation of an ambulance and all related patient transfer equipment

## Program Requirements

**A major of 32.5 units is required for the degree.**

**Required core courses (14.5 units):**

Course Number	Course Title	Units
EMS 300	Introduction to Emergency Medical Services	1.0
EMS 301	Emergency Medical Services Academy- 1A	6.0
EMS 306	CPR for Healthcare Providers	0.5
EMS 319	Emergency Response To Terrorism	3.0
	or	
FT 319	Emergency Response to Terrorism	3.0
ENVT 156	First Response Operational	1.0
PSY 127	Emotional Intelligence	3.0

**Plus a minimum of 18 units selected from the following:**

Course Number	Course Title	Units
EMS 102	First Aid & Safety	3.0
EMS 130	Principles of Emergency Management	3.0
EMS 134	Internship Seminar	1.0
EMS 149	Cooperative Work Experience: Occupational	1.0 - 8.0 units
EMS 302	EMS Academy 1B (Advanced)	7.0

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EMS 307	Wilderness EMS - First Responder and Survival	2.5
EMS 309	Pre-hospital Trauma Life Support (PHTLS)	1.0
EMS 310	Child Care First Aid & CPR	0.5
EMS 321	Advanced Cardiac Life Support	1.0
EMS 322	Pediatric Advanced Life Support	1.0
EMS 325	Lifeguard Certification	2.0
EMS 333	Paramedic Theory	16.0
EMS 338	Land Navigation	2.0
EMS 343	Paramedic Clinical Laboratory	7.5
EMS 353	Paramedic Field Internship	10.0
EMS 378	Wilderness/ EMS—EMT Wilderness Transition	2.5
FT 307	Firefighter I Academy IA	6.0
FT 310	Fire Service Physical Fitness	2.0
LE 341	Emergency Vehicle Operations/Non-Law Enforcement	0.5
WFT 301	Introduction to Incident Command System I-100	0.5
WFT 302	Basic Incident Command System I-200	0.5
AJ 101	Introduction to Criminal Justice	3.0
BIOL 100	Introductory Biology	4.0
BIOL 124	Human Anatomy	4.0
BIOL 125	Human Physiology	4.0
PE 130	Self Defense	1.0
PE 146	Strength and Flexibility	1.0
PE 141	Physical Fitness Laboratory	0.5