

# HEALTH SCIENCES

## EMERGENCY MEDICAL SCIENCE

The Emergency Medical Science (EMS) program provides students with the knowledge, skills and abilities necessary to become a credentialed paramedic and to apply critical thinking, develop diagnostic skills, and engage in comprehensive, compassionate, and competent patient care.

Students will learn through intensive, scenario-based instruction and the use of state-of-the-art simulation equipment to master the competencies needed by EMS professionals to serve during an emergency. Students will study advanced prehospital medicine from highly qualified faculty and will complete nearly 600 hours of clinical rotations, such as anesthesiology, critical care, pediatrics, geriatrics, psychiatry, cardiology, obstetrics, neurology, burn care, neonatology, and field rotations on an ambulance. The EMS program also has a strong research focus, and mentors students in the creation and participation of scientific investigation in the field of emergency medical care.

The EMS program is scheduled two days per week and allows students to plan clinical around their own schedules. Upon graduation, students will be eligible for state and/or national credentialing exams and will be ready to enter the workforce. Employment opportunities include private and municipal EMS agencies, hospitals, clinics, industry, non-traditional practice settings, and educational institutions.

### Emergency Medical Science Degree - A45340A

-Day

#### First Semester (First Fall)

EMS 110	EMT.....	9
BIO 168**	Anatomy & Physiology I .....	4
MAT 143*	Quantitative Literacy .....	3
ENG 111*	Writing and Inquiry .....	3

#### Second Semester

EMS 121	AEMT Clinical Practicum.....	2
PSY 150*	General Psychology.....	3
EMS 120	Advanced EMT .....	6
BIO 169*	Anatomy & Physiology II .....	4

#### Third Semester

EMS 210	Advanced Patient Assessment.....	2
EMS 160	Cardiology I .....	3
EMS 221	EMS Clinical Practicum II.....	2
EMS 130	Pharmacology .....	4

#### Fourth Semester

EMS 220	Cardiology II .....	3
EMS 231	EMS Clinical Practicum III.....	3
EMS 260	Trauma Emergencies.....	2
EMS 250	Medical Emergencies.....	4
EMS 270	Life Span Emergencies .....	4

#### Fifth Semester

EMS 240	Patients W/ Special Challenges.....	2
EMS 241	EMS Clinical Practicum IV .....	4
EMS 285	EMS Capstone.....	2
HUM	Elective.....	3
ENG	Second English Elective*** .....	3

**Graduation Requirements .....75 Credit Hours**

\*College Transfer Courses

\*\*All courses must be successfully passed with a "C" average or better to remain eligible for the EMS program.

\*\*\*Second English Elective can be either ENG 112 or ENG 114

Humanities/Fine Arts Elective

Choose one: HUM 115; PHI 215, PHI 240

## EMERGENCY MEDICAL SCIENCE – Associate Degree Bridge

The Emergency Medical Science (EMS) Bridge program is designed for credentialed paramedics who want to obtain their EMS degree. The program is 100% online, which ensures that any paramedic can enroll, no matter their shift schedule! The bridge program provides formal education in EMS management, EMS education, advanced prehospital practice, and emerging research trends while allowing students to complete general education classes that meet the requirements for college transfer. EMS Professionals can use this degree for college transfer, to meet the requirements for promotion or to gain additional knowledge. The program is designed to be flexible to meet the needs of anyone pursuing higher education, no matter the purpose. To that end, all EMS classes are offered every semester.

This program is available to credentialed paramedics who have an active state or national paramedic credential and meet minimum enrollment standards will qualify for a minimum of 43 hours of transfer credit. The bridge program enrolls students in every semester and will allow students to complete their degree at their own pace.

All courses in the EMS Bridge program also qualify for continuing education credit.

### Emergency Medical Science Bridge Degree - A45340B

-Online

#### First Semester (First Fall)

BIO 168	Anatomy & Physiology I.....	4
EMS 280	EMS Bridging Course.....	3
EMS 125	Instructor Methodology .....	3
ENG 111*	Writing and Inquiry.....	3
MAT 143	Quantitative Literacy.....	3

#### Second Semester

BIO 169	Anatomy & Physiology II.....	4
EMS 235	EMS Management.....	2
EMS 210	Advanced Patient Assessment.....	2
ENG	Second English Elective.....	3
HUM	Humanities Elective.....	3
PSY 150	General Psychology .....	3

**Total Program Hours..... 33 Credit Hours**

#### Prerequisite/Advance Placement:

Applicants who successfully complete EMS 280 with a grade of "C" or better will be awarded credit for EMS 285 – EMS Capstone.

**Transferrable Credit ..... 43 Credit Hours**

**Graduation Requirements ..... 75 Credit Hours**

All courses must be successfully passed with a "C" average or better to remain eligible for the EMS program.

Second English course can be either ENG 112 or ENG 114

Humanities/Fine Arts Elective

Choose one: HUM 115; ART 111, ART 114, ART 115; MUS 110, MUS 112; PHI 215, PHI 240