

EMERGENCY MEDICAL SERVICES

Admission to Program

Admission to the program is explained in the HCT Admission Policy described in the Academic Policies section of this Catalog.

Program Mission

The Department of Emergency Medical Services is committed to training the next generation of UAE nationals to the highest international standards of emergency medical care. With an emphasis on evidence based medicine, learning by doing and the latest educational technology, we strive to meet the needs of the community and our sponsors to have UAE nationals trained to provide emergency care to the critically ill or injured in the United Arab Emirates

Program Description

The Bachelor of Emergency Medical Services program is a four-year post-Foundations program preparing graduates for emergency medical care professional practice. In the first two program years students develop an extensive knowledge of health sciences, communication, terminology and emergency medical care up to an intermediate life support level. The final two years of the program develop students' skills to advanced life support levels which include diagnostic, clinical judgment, research, quality and leadership. The program promotes the development of analytical thinking, problem-solving abilities, communication skills, professional ethics, social responsibility, professional citizenship, the ability to adapt to change and respond to challenges in the prehospital and in-hospital emergency settings, and a commitment to lifelong learning.

Students are eligible for a one year Work Experiential Learning experience during their study.

Program Goals

1. Prepare competent, professional and autonomous pre-hospital emergency care providers equipped to provide quality and advanced life-support care to all critically ill or injured patients following the national and international EMS standards of care.
2. Educate the EMS graduates on the knowledge and skills to be compassionate and effective communicators and able to utilize critical thinking and problem solving skills when providing pre-hospital emergency care.
3. Prepare the EMS graduates with effective leadership and team work skills to work within an interdisciplinary healthcare team and foster the growth and development of the EMS in the UAE.
4. Foster excellence and professional development through reflective practitioners and life-long learning for the current and future EMS practice.
5. Prepare the EMS students as advanced life-support practitioners who contribute to the expansion, innovation and entrepreneurship in EMS professional practice and careers.
6. Prepare the EMS graduates to be collaborative and innovative through evidence-based practices and scholarly activities.

Program Learning Outcomes

Bachelor of Emergency Medical Services

On successful completion of this program the graduate will be able to:

1. Use an evidence based approach to provide internationally aligned best practice with safe, responsible and quality patient care in the pre-hospital setting.
2. Apply knowledge, psychomotor skills and technology through simulation and skills based training to make ethical autonomous decisions and deliver quality care in accordance with Advanced Paramedic Clinical Practice Guidelines (CPG).
3. Demonstrate effective communication, respect, integrity and accountability to manage emergency medical situations for all patient populations.
4. Apply critical thinking without guidance, to analyse medical emergency situations and investigate medical innovations to deliver the best quality medical care in the pre-hospital environment.
5. Demonstrate competency in technical leadership skills, to be able to lead, advocate and work collaboratively within a multidisciplinary team.
6. Use lifelong learning as a reflective practitioner in order to modify practice and enhance the pre-hospital emergency medical care profession.
7. Apply entrepreneurship and innovation skills to identify and contribute to potential solutions for emerging complex healthcare challenges in the pre-hospital setting.

Requirements

Completion Requirements

Bachelor of Emergency Medical Services

Students must successfully complete a minimum of 138 credits as follows:

Code	Title	Credit Hours
Health Science Core Courses		24
Emergency Medical Services Core Courses		54
Emergency Medical Services Preceptorship Courses		27
General Studies		33
Total Credit Hours		138

Code	Title	Credit Hours
Health Science Core Courses		
Required Credits: 24		
HSC 1023	Chemistry for Health Sciences	3
HSC 1033	Anatomy and Physiology	3
HSC 1113	Introduction to Healthcare Systems and Professional Practice	3
HSC 1123	Work Health and Safety	3
HSC 1803	Medical Terminology for Health Sciences	3
HSC 4003	Research Methods for Health Sciences	3
HSC 4006	Capstone Research Project for Health Sciences	6

Emergency Medical Services Core Courses

Required Credits: 54

HEM 1103	EMT-Basic	3
HEM 2015	Medical Emergencies	5
HEM 2024	Trauma Emergencies	4
HEM 2033	EMS Applied Pharmacology I	3
HEM 2103	Foundations of Professional Practice	3
HEM 2123	Obstetric, Gynecology, Neonatal and Pediatric Emergencies	3
HEM 3006	Advanced Prehospital Emergency Care I	6
HEM 3013	EMS Applied Pharmacology II	3
HEM 3106	Advanced Prehospital Emergency Care II	6
HEM 3113	Primary Health Care	3
HEM 4006	Advanced Gynecological/Obstetric and Pediatric Emergencies	6
HEM 4013	Leadership in Professional Practice	3
HEM 4106	Advanced Standards of Prehospital Emergency Care and Transport	6

Emergency Medical Services Preceptorship Courses

Required Credits: 27

HEM 2903	Ambulance Practicum I	3
HEM 2913	Hospital Practicum I	3
HEM 2923	Ambulance Practicum II	3
HEM 3903	Ambulance Practicum III	3
HEM 3913	Hospital Practicum II	3
HEM 3923	Responder Practicum I	3
HEM 4903	Hospital Practicum III	3
HEM 4913	Responder Practicum II	3
HEM 4923	Responder Practicum III (IST Optional)	3

General Studies

Required Credits: 33

English, Arabic or other Languages

Required Credits: 12

Humanities or Art

Required Credits: 3

Information Technology or Mathematics

Required Credits: 6

The Natural Sciences

Required Credits: 3

The Social or Behavioral Sciences

Required Credits: 9

Description	Data
Total Required Credits	138
Maximum Duration of Study	6 years
Minimum Duration of Study	4 years
Cost Recovery Program	No
Program Code	BHEMU
Major Code	HEM

Ideal Study Plan

Recommended Sequence of Study

Year 1		Credit Hours
Semester 1		
HSC 1013	Human Biology	3
HSC 1113	Introduction to Healthcare Systems and Professional Practice	3
HSC 1803	Medical Terminology for Health Sciences	3
LSM 1113	Statistical Mathematics	3
LSC 1103	Professional Communication and Reporting	3
Credit Hours		15
Semester 2		
AES 1003	Emirati Studies	3
HSC 1033	Anatomy and Physiology	3
HSC 1123	Work Health and Safety	3
HEM 1103	EMT-Basic	3
HEM 2103	Foundations of Professional Practice	3
Credit Hours		15
Summer		
HSC 1023	Chemistry for Health Sciences	3
AES 1033	Islamic Culture	3
Credit Hours		6
Year 2		
Semester 3		
HEM 2015	Medical Emergencies	5
HEM 2024	Trauma Emergencies	4
HEM 2033	EMS Applied Pharmacology I	3
HEM 2903	Ambulance Practicum I	3
LSS 1123	Basic Research Methods	3
Credit Hours		18
Semester 4		
HEM 2913	Hospital Practicum I	3
AES 1013	Arabic Communications	3
LSS 1003	Life and Future Skills	3
HEM 2123	Obstetric, Gynecology, Neonatal and Pediatric Emergencies	3
Credit Hours		12
Summer		
HEM 2923	Ambulance Practicum II	3
Credit Hours		3
Year 3		
Semester 5		
BUS 2403	Innovation and Entrepreneurship	3
HEM 3006	Advanced Prehospital Emergency Care I	6
HEM 3013	EMS Applied Pharmacology II	3
HEM 3903	Ambulance Practicum III	3
ICT 2013	Computational Thinking and Coding	3
Credit Hours		18
Semester 6		
HEM 3106	Advanced Prehospital Emergency Care II	6
HEM 3113	Primary Health Care	3
HEM 3913	Hospital Practicum II	3
LSC 2193	Applied Skills Capstone	3
Credit Hours		15
Summer		
HEM 3923	Responder Practicum I	3
Credit Hours		3
Year 4		
Semester 7		
HEM 4006	Advanced Gynecological/Obstetric and Pediatric Emergencies	6
HEM 4013	Leadership in Professional Practice	3
HEM 4903	Hospital Practicum III	3

HSC 4003	Research Methods for Health Sciences	3
Credit Hours		15
Semester 8		
HEM 4106	Advanced Standards of Prehospital Emergency Care and Transport	6
HEM 4913	Responder Practicum II	3
HSC 4006	Capstone Research Project for Health Sciences	6
Credit Hours		15
Summer		
HEM 4923	Responder Practicum III (IST Optional)	3
Credit Hours		3
Total Credit Hours		138

Faculty and Academic Staff

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