

EMERGENCY MEDICAL SERVICES

Bachelor of Emergency Medical Services

and Diploma in 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 Applied Science in 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 will have the option to graduate with a Diploma in Emergency Medical Sciences upon the successful completion of all Health Science common year courses and the Emergency Care modules and Preceptorships in the second year.

Program Learning Outcomes

On successful completion of the Bachelor of Applied Science in Emergency Medical Services program, the graduate will be able to:

Bachelor of Emergency Medical Services

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

1. Interpret and apply a wide range of detailed theoretical knowledge in order to formulate and implement an advanced level of treatment and alternative management modalities to provide safe, responsible and quality patient care in the emergency care setting.
2. Integrate clinical practice guidelines, evidence based medicine and theoretical principles to provide internationally aligned best practice within the emergency care setting.
3. Demonstrate a deep understanding of technological applications and medical innovation within the field of emergency medical care.

4. Demonstrate the psychomotor skills that are necessary to render emergency medical care to patients in accordance with the relevant advanced life support clinical practice guidelines (CPG).
5. Apply critical thinking skills to analyze medical emergencies and inform autonomous decision-making to deliver safe and effective emergency medical care.
6. Demonstrate the ability to integrate management and research skills with advancing technology in order to develop specialized clinical strategies for patients in the emergency care setting.
7. Work independently as well as part of a team in a diverse range of clinical and non-clinical emergency care settings.
8. Use lifelong learning as a reflective practitioner in order to modify practice and enhance the emergency medical care profession.
9. Demonstrate the professional attributes, conduct and leadership relevant to their role as advanced life support emergency care providers within the healthcare system and community.

Diploma in Emergency Medical Services

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

1. Apply knowledge, management and decision making aspects in order to provide safe, responsible and quality patient care in the emergency care setting.
2. Understand and integrate theoretical principles in order to use established clinical practice guidelines according to international standards within the field of emergency care.
3. Demonstrate the psychomotor skills that are necessary to render care to patients in accordance with the relevant clinical practice guidelines (CPG).
4. Apply specialist cognitive and practical skills in order to diagnose and treat a range of patients in a variety of emergency and non-emergency situations.
5. Demonstrate communication and information technology skills in order to coherently manage complex situations in the field of emergency care.
6. Coordinate or supervise routine and some non-routine emergency care of patients within a range of clinical and non-clinical settings at an intermediate life support level.

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

Diploma in Emergency Medical Services

Students must successfully complete a minimum of 69 credits as follows:

Code	Title	Credit Hours
Health Science Core Courses		15
Emergency Medical Services Core Courses		21
Emergency Medical Services Preceptorship Courses		9
General Studies		24
Total Credit Hours		69

Code	Title	Credit Hours
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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 Preceptorship I	3
HEM 2913	Hospital Preceptorship I	3
HEM 2923	Ambulance Preceptorship II	3
HEM 3903	Ambulance Preceptorship III	3
HEM 3913	Hospital Preceptorship II	3
HEM 3923	Responder Preceptorship I	3
HEM 4903	Hospital Preceptorship III	3
HEM 4913	Responder Preceptorship II	3
HEM 4923	Responder Preceptorship 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

Ideal Study Plan

Recommended Sequence of Study

Year 1**Semester 1**

		Credit Hours
HSC 1013	Human Biology	3
HSC 1113	Introduction to Healthcare Systems and Professional Practice	3
HSC 1803	Medical Terminology for Health Sciences	3
LSC 1103	Professional Communication and Reporting	3
LSS 1003	Life and Future Skills	3
Credit Hours		15

Semester 2

AES 1013	Arabic Communications I	3
HSC 1023	Chemistry for Health Sciences	3
HSC 1033	Anatomy and Physiology	3
HSC 1123	Work Health and Safety	3
LSM 1113	Statistical Mathematics	3
Credit Hours		15

Summer

HEM 1103	EMT-Basic	3
Credit Hours		3

Year 2**Semester 1**

HEM 2015	Medical Emergencies	5
HEM 2024	Trauma Emergencies	4
HEM 2033	EMS Applied Pharmacology I	3
HEM 2903	Ambulance Preceptorship I	3
ICT 2013	Computational Thinking and Coding	3
Credit Hours		18

Semester 2

AES 1003	Emirati Studies	3
HEM 2103	Foundations of Professional Practice	3
HEM 2123	Obstetric, Gynecology, Neonatal and Pediatric Emergencies	3
HEM 2913	Hospital Preceptorship I	3
LSS 1123	Basic Research Methods	3
Credit Hours		15

Summer

HEM 2923	Ambulance Preceptorship II	3
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Diploma Exit

Credit Hours		3
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Year 3**Semester 1**

HEM 3006	Advanced Prehospital Emergency Care I	6
HEM 3013	EMS Applied Pharmacology II	3
HEM 3903	Ambulance Preceptorship III	3
LSC 2103	Academic Reading and Writing II	3
BUS 2403	Innovation and Entrepreneurship	3
Credit Hours		18

Semester 2		
AES 3003	Professional Arabic	3
HEM 3106	Advanced Prehospital Emergency Care II	6
HEM 3113	Primary Health Care	3
HEM 3913	Hospital Preceptorship II	3
	Credit Hours	15
Summer		
HEM 3923	Responder Preceptorship I	3
	Credit Hours	3
Year 4		
Semester 1		
HEM 4006	Advanced Gynecological/Obstertric and Pediatric Emergencies	6
HEM 4013	Leadership in Professional Practice	3
HEM 4903	Hospital Preceptorship III	3
HSC 4003	Research Methods for Health Sciences	3
	Credit Hours	15
Semester 2		
HEM 4106	Advanced Standards of Prehospital Emergency Care and Transport	6
HEM 4913	Responder Preceptorship II	3
HEM 4923	Responder Preceptorship III (IST Optional)	3
HSC 4006	Capstone Research Project for Health Sciences	6
	Credit Hours	18
	Total Credit Hours	138

Faculty and Academic Staff

Faisal Binks, Bachelor in Emergency Medical Care & Rescue, Masters Business Administration, Durban University of Technology, University of South Africa, South Africa

Judy Sheahan, Master of Philosophy Health Professions Education, Cape Peninsula University of Technology, University of Stellenbosch, South Africa

Justice Bosman, Bachelor in Emergency Medical care, Cape Peninsula University of Technology, South Africa

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