

## College of Health Sciences School of Rehabilitation and Medical Sciences Department of Medical Sciences Emergency Medical Sciences

Bachelor of Science in Emergency Medical Services
(BSEMS) Study Modules

	Bac	helor of Science in Emergency Medical Services - YE.	AR - 1			
FALL SEMESTER		SPRING SEMESTER	SUMMER SEMESTER			
Course Title	Credit Hours	Course Title	Credit Hours	Course Title	Credit Hours	
Arabic Language I	2	English Language II	2	Pathophysiology	3	
English Language I	2	Arabic Language II	2	Microbiology and Immunology	3	
General Biology	4	Fundamentals of Emergency Medical Services	2	Microbiology and Immunology Lab	0	
General Biology	0	Fundamentals of Emergency Medical Services Laboratory	1			
Fundamentals of Chemistry	4	Biochemistry	3			
Fundamentals of Chemistry	0	Biochemistry Laboratory	0			
Anatomy and Physiology I	3	Introduction to Oman Healthcare System	1			
Anatomy and Physiology I Laboratory	1	Anatomy and Physiology II	3			
		Anatomy and Physiology II Laboratory	1			
	Bac	helor of Science in Emergency Medical Services - YE.	AR - 2			
FALL SEMESTER			1	SUMMER SEMESTER		
Course Title	Credit Hours	Course Title	Credit Hours	Course Title	Credit Hours	
Pharmacology 1	2	Medical Management	2	Clinical Placement -1 Ambulance Stations	2	
Pharmacology 1 Laboratory	1	Medical Management Laboratory	1	Clinical Placement -2 Ambulance Stations	2	
Physical Assessment Laboratory 1	2	Cardiopulmonary Management	2			
Health Informatics	1	Cardiopulmonary Management Laboratory	1			
Airway Management	2	Pharmacology 2	2			
Airway Management Lab	1	Pharmacology 2 Laboratory	1			
Medical Legal aspects and Ethics in EMS	2	Computer Skills	2			
First Aid and BLS Laboratory	1	EMS Operations 1	1			
Trauma Management 1	-	EMS Operations 1 Laboratory	1			
	2	ENIS Operations 1 Laboratory	2			
Trauma Management 1 Laboratory	1					
	Bac	 helor of Science in Emergency Medical Services - YEA	AR - 3			
FALL SEMESTER						
Course Title	Credit Hours	Course Title	Credit Hours	Course Title	Credit Hours	
ECG Interpretation	2	Biostatistics	2	Clinical Placement -5 Hosp: ICU, CCU and Psychiatrics	2	
ECG Interpretation Laboratory	1	Islamic Civilization	3	Entrepreneurship, Innovation and Creativity	3	
Research Epidemiology and Evidence Based Practice	3	Pediatric Medical and Trauma Management	2	Entrepreneurship, Innovation and Creativity Lab	0	
Trauma Management II	2	Pediatric Medical and Trauma Management Laboratory	1			
Trauma Management II Laboratory	1	Clinical Placement 4 Medical, Surgical & pediatrics	2			
Clinical Placement -3 Emergency Departments	2	Career Counselling	1			
Special Patient Population	2	School Elective 1	2			
Special Patient Population Laboratory	1	Physical Assessment Laboratory 2	2			
1 In the second of the second	1	,				

Bachelor of Science in Emergency Medical Services - YEAR - 4									
FALL SEMESTER		SPRING SEMESTER		SUMMER SEMESTER					
Course Title	Credit	Course Title	Credit	Course Title	Credit				
	Hours		Hours		Hours				
Graduation Research Project		Advanced Trauma Management		EMS Operations 2					
	6		2	(EMS Crisis and Disaster	1				
				management)					
Advanced Medical Management	2	Advanced Trauma Management Laboratory	1	EMS Operations 2 Laboratory	2				
Advanced Medical Management	1	Advanced Cardiopulmonary management	2	Clinical Placement – 7	2				
Laboratory	1		2	Emergency Rooms & OTs	2				
EMS Education	2	Advanced Cardiopulmonary management Laboratory	1						
School Elective 2	2	Advanced Seminar in Health Sciences	1						
Clinical Placement – 6	2	University Elective	3						
Ambulance Stations	2		3						
		Global Health	2						
	Bachelor of Science in Emergency Medical Services - YEAR - 5								
FALL SEMESTER		SPRING SEMESTER		SUMMER SEMESTER					
Course Title	Credit	Course Title	Credit	Course Title	Credit				
	Hours		Hours		Hours				
Professional Review Course and	1								
Professional Exit Exam									
Internship	12								

## Total Course credits (BSEMS) per academic year:

Year	FALL SEMESTER	SPRING SEMESTER	SUMMER SEMESTER	TOTAL
1 <sup>st</sup>	16	15	6	37
2 <sup>nd</sup>	15	14	4	33
3 <sup>rd</sup>	14	15	5	34
4 <sup>th</sup>	15	12	5	32
5 <sup>th</sup>	13	0	0	13

TOTAL CREDIT HOURS: 149