



DEPARTMENT OF EMERGENCY AND DISASTER HEALTH SYSTEMS

Paramedicine

Paramedic

Four-Year Academic Pathway
with Pre-PA option

Year 1	FALL			WINTER			SPRING			SUMMER		
Benchmark Requirements EDHS 115 EDHS 200 or 200Y BIOL 101 or 141 CHEM 120 + Lab or CHEM 101-102 + Lab PSYC 100 University Requirements ENGL 100 (or equivalent) and a credit-bearing math course to be completed within the first year of academic study.		Credits	Grade		Credits	Grade		Credits	Grade		Credits	Grade
	EDHS 115	3					EDHS 203	3				
	EDHS 200	3					ENGL 100	3				
	EDHS 202	3					CHEM 120 or 102	3-4				
	BIOL 101 or 141	3-4					CHEM 124L or 102L	2				
							PSYC 100	4				
	Select Lang 101 or GEP (AH)											
	GEP (AH)*	3										
	Lang 101	4										
	* Consider EDHS 175	Total	(15-17)		Total			Total	(15-16)		Total	
Year 2	FALL			WINTER			SPRING			SUMMER		
Benchmark Requirements BIOL 251-252 + Labs PSYC 285 STAT 121 or 350 EMT Certification Completion of Paramedic Application Process (See page 2)	BIOL 251	3					BIOL 252	3				
	BIOL 251 Lab	1					BIOL 252 Lab	1				
	EDHS 340 (C)	3					STAT 121 or 350	4				
	PSYC 285	3					GEP (AH)	3				
	GEP (AH)	3										
	Pick one from below						Pick one from below					
	Lang 102 or 103	4					Lang 201	4				
	Student option†	3					Student option†	3				
	Pre-PA BIOL 273	3					Pre-PA BIOL 273	3				
	BIOL 273L	2		BIOL 273L	2							
† Not if Pre-PA track	Total	(16-18)		Total			† Not if Pre-PA track	Total	(14-16)		Total	
Year 3	FALL			WINTER			SPRING			SUMMER		
Benchmark Requirements Major Requirements All courses listed	EDHS 460	3					EDHS 301 (WI)	3				
	EDHS 461	3					EDHS 464	3				
	EDHS 462	3					EDHS 465	3				
	EDHS 463	3					EDHS 466	3				
	EDHS 481	3					EDHS 482	4				
	Total	(15)		Total			Total	(16)		Total		
Year 4	FALL			WINTER			SPRING			Requiring Program EDHS-Paramedic Pre-PA (Non-Stem) Both		
Benchmark Requirements All courses listed	EDHS 423	3					EDHS 351	3				
	EDHS 430	3					EDHS 468	3				
	EDHS 467	3					EDHS 470	3				
	EDHS 483	6					EDHS 484	6				
Total	(15)		Total			Total	(15)					

Requiring Program
 EDHS-Paramedic
 Pre-PA (Non-Stem)
 Both

University Requirements (GEP)			
Requirements	Course	Credits	Grade
Arts & Humanities (AH) - see note below		3	
Arts & Humanities (AH)		3	
Arts & Humanities (AH)		3	
Social Sciences (SS) - see note below	EDHS 200	3	
Social Sciences (SS)	PSYC 100	3	
Social Sciences (SS)	PSYC 285	3	
Sciences (S)	CHEM 120	3	
with Lab	CHEM 124 L	2	
Language (L)		4	
Global Culture (C)	EDHS 340	3	
English Composition	ENGL 100	3	
Writing Intensive (WI)	EDHS 301	3	
Note: AH & SS from at least 2 disciplines for GEP			
120 or more academic credits			
30 credits or more earned at UMBC			
45 or more upper level credits (300 and 400 level)			
2.0 of higher GPA			

Optional EDHS Courses			
Course Name		Credits	
Eth. Con., for Health & Crisis Mgmt. (AH)	EDHS 175	3	
Community Lifelines	EDHS 230	3	
Climate, Disasters, and Disparities	EDHS 231	3	
Special Topics in Emerg & Disaster Hlth	EDHS 300	3	
Stress and Burnout	EDHS 311	3	
Management of Search Operations	EDHS 330	3	
Death and Dying	EDHS 345	3	
Program Planning: Theory, Impl., & Eval	EDHS 400	3	
Disaster Response	EDHS 424	3	
Disaster Recovery	EDHS 425	3	
Health Systems Resilience	EDHS 426	3	
Leadership, Crisis, and Risk Com.	EDHS 431	3	
Emergency Disaster & Health Sys. Law	EDHS 432	3	
Planning & Evaluation for PH Programs	EDHS 445	3	

Pre-PA Option			
Requirements	Course	Credits	
Microbiology for Allied Health	BIOL 273	3	
Microbiology for Allied HealthLab	BIOL 273L	2	

EDHS Course Requirements			
Requirements	Course	Credits	Grade
Emergency Medical Technician	EDHS 202	3	
	EDHS 203	3	
Medical Terminology	EDHS 115	3	
Introduction to EDHS	EDHS 200	3	
Managing Emergencies and Crises	EDHS 301	3	
Financial and Personnel Management	EDHS 351	3	
EDHS Epidemiology & Health Research Methods	EDHS 430	3	
Mathematics (STAT 121 or 350)		4	
EDHS Paramedic Concentration Requirements			
Introductory Biology (BIOL 101 or 141)		3-4	
Human Anatomy and Physiology I	BIOL 251	3	
Human Anatomy and Physiology I Lab	BIOL 251L	1	
Human Anatomy and Physiology II	BIOL 252	3	
Human Anatomy and Physiology II Lab	BIOL 252L	1	
Chemistry 1 sequence	Principles of Chemistry I	CHEM 101	4
	Principles of Chemistry II	CHEM 102	4
	Principles of Chemistry II Lab	CHEM 102L	2
	Intro. to Gen. Org. & Biochem.	CHEM 120	4
	Intro. to Gen. Org. & Biochem. Lab	CHEM 124 L	2
Introduction to Psychology	PSYC 100	4	
Abnormal Psychology	PSYC 285	3	
Paramedic Core Courses			
Public Health Emergency Preparedness	EDHS 423	3	
Applied Pharmacology	EDHS 460	3	
Introduction to Paramedic Practice	EDHS 461	3	
Fundamentals of Patient Management	EDHS 462	3	
Basics of Cardiology	EDHS 463	3	
Advanced Cardiac and Respiratory Emergencies	EDHS 464	3	
Medical Emergencies I	EDHS 465	3	
Medical Emergencies II	EDHS 466	3	
Introduction To Trauma Emergencies	EDHS 467	3	
EMS Capstone Experience	EDHS 468	3	
Emergency Response to Crisis	EDHS 470	3	
ALS Field & Clinical Experience I	EDHS 481	3	
ALS Field & Clinical Experience II	EDHS 482	4	
ALS Field & Clinical Experience III	EDHS 483	6	
ALS Field & Clinical Experience IV	EDHS 484	6	

Benchmarks Prior to Junior Year			
Concepts of EDHS (200 or 200Y)	☐	Statistics (STAT 121 or STAT 350)	☐
Biology (BIOL 101 or BIOL 141)	☐	Abnormal Psychology (PSYC 285)	☐
Chemistry (CHEM 120 w/124L or 101,102, 102L)	☐	Valid state-issued EMT certification on file	☐
Introduction to Psychology (PSYC 100)	☐	Minimum of 100 patient contacts	☐
English Composition (ENGL 100)	☐	Current GPA of 2.5 or higher	☐
	☐		☐

Paramedic Application Process	
Completion of Paramedic Application	☐
Submission of transcripts	☐
Drug screening	☐
Background check	☐
Submission of four references	☐
EMT knowledge examination	☐
Completion of interview process	☐