



UMBC

**DEPARTMENT OF  
EMERGENCY HEALTH SERVICES**

Combined Paramedic and Pre-PA  
Four -Year Academic Pathway

*Note that Pre-PA courses may differ based on the student's anticipated choice of PA school. Students are to work closely with their Pre-PA Advisor.*

Year 1		FALL		WINTER		SPRING		SUMMER		
Benchmark Requirements		Credits	Grade		Credits	Grade		Credits	Grade	
EHS 115	EHS 115	3					EHS 203	3		
EHS 200 or 200Y	EHS 200 (Y)	3-4					ENGL 100	3		
BIOL 141	EHS 202	3					CHEM 124	3		
CHEM 101-102 + Lab	BIOL 101 (S)	3					CHEM 124 Lab	2		
University Requirements	BIOL 101 Lab	1					PSYC 100	4		
ENGL 100 (or equivalent) and a credit-bearing math course to be completed within the first year of academic study.	CHEM 123	4								
	<b>Total</b>	<b>17-18</b>		<b>Total</b>		<b>Total</b>	<b>15</b>	<b>Total</b>		
Year 2		FALL		WINTER		SPRING		SUMMER		
Benchmark Requirements	EHS 320	3					BIOL 252	3	STAT 121 4	
EHS 202-203	EHS 360	3					BIOL 252 Lab	1		
BIOL 251-252 + Labs	BIOL 251	3					BIOL 273	3		
Completion of Paramedic Application Process (see page 2)	BIOL 251 Lab	1					BIOL 273 L	2		
	PSYC 285	3					Foreign Lang 201	4		
	GEP (AH)	3					GEP (C)	3		
	<b>Total</b>	<b>16</b>		<b>Total</b>		<b>Total</b>	<b>16</b>	<b>Total</b>	<b>4</b>	
Year 3		FALL		WINTER		SPRING		SUMMER		
Benchmark Requirements	EHS 301	3					EHS 351	3	GEP (AH) 3	
Major Requirements	EHS 461	3					EHS 464	3		
All courses listed	EHS 462	3					EHS 465	3		
	EHS 463	3					EHS 466	3		
	EHS 481	3					EHS 482	4		
	<b>Total</b>	<b>15</b>		<b>Total</b>		<b>Total</b>	<b>16</b>	<b>Total</b>	<b>3</b>	
Year 4		FALL		WINTER		SPRING		<b>Requiring Program</b> EHS - Paramedic Pre-PA Non-STEM Both		
Benchmark Requirements	EHS 430	3					EHS Elective			3
EHS Elective Options	EHS 467	3					EHS 350			3
EHS 311	EHS 470	3					EHS 468			3
EHS 345	EHS 483	6					EHS 484			6
EHS 330	GEP (AH)	3								
	<b>Total</b>	<b>18</b>		<b>Total</b>	<b>3</b>	<b>Total</b>	<b>15</b>			

## University Requirements (GEP)

Requirements	Course	Credits	Grade
Arts & Humanities (AH) <small>- see note below</small>		3	
Arts & Humanities (AH)		3	
Arts & Humanities (AH)		3	
Social Sciences (SS) <small>- see note below</small>	EHS 200	3	
Social Sciences (SS)	PSYC 100	3	
Social Sciences (SS)	PSYC 285	3	
Sciences (S)	CHEM 102	3	
with Lab	CHEM 102 L		
Math (M)	STAT 121	4	
Language (L)		4	
Global Culture (C)		3	
English Composition	ENGL 100	3	
Writing Intensive (WI)	EHS 301	3	
<small>Note: AH &amp; SS from at least 2 disciplines for GEP</small>			
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			

### Pre-PA Non-STEM Requirements & UMBC Equivalent Courses

Admission requirements vary among medical schools and therefore, it is a student's responsibility to refer to the Medical School Admission Requirements (MSAR) book, an annual publication of the Association of American Medical Colleges, to ensure they take the prerequisites required by the schools to which they plan to apply.

Concepts of Biology	BIOL 101	3	
Concepts of Biology Lab (may not be req'd)	BIOL 101 L	1	
Microbiology for Allied Health	BIOL 273	3	
Microbiology for Allied Health Lab	BIOL 273 L	2	
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	
Intro. to Gen. Org. & Biochem. I	CHEM 123	4	
Intro. to Gen. Org. & Biochem. II	CHEM 124	3	
Intro. to Gen. Org. & Biochem. II Lab	CHEM 124L	2	
Introduction to Statistics	STAT 121	4	
Introduction to Psychology	PSYC 100	4	
Psychology <small>1 course</small>	Child Dev. Psychology	PSYC 200	3
	Abnormal Psychology	PSYC 285	3
Medical Terminology	EHS 115	3	

## EHS Course Requirements

Requirements	Course	Credits	Grade
Emergency Medical Technician	EHS 202	3	
	EHS 203	3	
Medical Terminology	EHS 115	3	
Concepts of EHS	EHS 200 (Y)	3-4	
Planning EHS Systems	EHS 301	3	
Disaster Management	EHS 320	3	
Supervision and Operations	EHS 350	3	
Financial Mgt. & Budgeting	EHS 351	3	
Instructional Issues	EHS 360	3	
EHS Epidemiology & Health Research Methods	EHS 430	3	
Mathematics (STAT 121 or 350)		4	

### EHS Paramedic Concentration Requirements

Biology (BIOL 101) or (141: Pre-Prof)			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 <small>1 sequence</small>	Principles of Chemistry I (Pre-Prof)	CHEM 101	4	
	Principles of Chemistry II (Pre-Prof)	CHEM 102	4	
	Principles of Chemistry II Lab (Pre-Prof)	CHEM 102L	2	
	Intro. to Gen. Org. & Biochem. I	CHEM 123	4	
	Intro. to Gen. Org. & Biochem. II	CHEM 124	3	
	Intro. to Gen. Org. & Biochem. II Lab	CHEM 124 L	2	
Introduction to Psychology		PSYC 100	4	
Abnormal Psychology		PSYC 285	3	

### Paramedic Core Courses

Introduction to Paramedic Practice	EHS 461	3	
Fundamentals of Patient Management	EHS 462	3	
Basics of Cardiology	EHS 463	3	
Advanced Cardiac and Respiratory Emergencies	EHS 464	3	
Medical Emergencies I	EHS 465	3	
Medical Emergencies II	EHS 466	3	
Introduction To Trauma Emergencies	EHS 467	3	
EMS Capstone Experience	EHS 468	3	
Emergency Response to Crisis	EHS 470	3	
ALS Field & Clinical Experience I	EHS 481	3	
ALS Field & Clinical Experience II	EHS 482	4	
ALS Field & Clinical Experience III	EHS 483	6	
ALS Field & Clinical Experience IV	EHS 484	6	
EHS Elective <small>1 course</small>	Stress and Burnout	EHS 311	3
	Management: Search & Rescue	EHS 330	3
	Death and Dying	EHS 345	3

### Benchmarks Prior to Junior Year

Concepts of EHS (200 or 200Y)	<input type="checkbox"/>	Chemistry I (CHEM 101 or CHEM 123)	<input type="checkbox"/>
English Composition (ENGL 100)	<input type="checkbox"/>	Chem. II w/ lab (CHEM 102/102L or 124/124L)	<input type="checkbox"/>
Introduction to Psychology (PSYC 100)	<input type="checkbox"/>	Valid state-issued EMT certification on file	<input type="checkbox"/>
Abnormal Psychology (PSYC 285)	<input type="checkbox"/>	Minimum of 100 patient contacts	<input type="checkbox"/>
Statistics (STAT 121 or STAT 350)	<input type="checkbox"/>	Current GPA of 2.5 or higher	<input type="checkbox"/>
Biology (BIOL 101 or BIOL 141)	<input type="checkbox"/>		

### Paramedic Application Process

Completion of Paramedic Application	<input type="checkbox"/>
Submission of transcripts	<input type="checkbox"/>
Drug screening	<input type="checkbox"/>
Background check	<input type="checkbox"/>
Submission of four references	<input type="checkbox"/>
EMT knowledge examination	<input type="checkbox"/>
Completion of interview process	<input type="checkbox"/>