

## Enlisted to Medical Degree Preparatory Program (EMDP2) Coursework

### Year 1 - Pre-medical Undergraduate Certificate Requirements

Source: [catalog.gmu.edu/colleges-schools/science/pre-medical-undergraduate-certificate](http://catalog.gmu.edu/colleges-schools/science/pre-medical-undergraduate-certificate)

Catalog Number	Course Title	Credits
<b>Transition Year Summer Semester (4 Credits)</b>		
CHEM 211	General Chemistry I	3
CHEM 213	General Chemistry Laboratory	1
<b>Undergraduate Year Fall Semester (12 Credits)</b>		
BIOL 213	Cell Structure and Function (Lecture & Lab)	4
CHEM 212	General Chemistry II Lecture	3
CHEM 214	General Chemistry II Lab	1
PHYS 243	College Physics I	3
PHYS 244	College Physics I Lab	1
<b>Undergraduate Year Spring Semester (16 Credits)</b>		
BIOL 311	General Genetics (Lecture & Lab)	4
CHEM 463	General Biochemistry	4
PHYS 245	College Physics II	3
PHYS 246	College Physics II Lab	1
BIOL 214	Biostatistics for Biology Majors	4
N/A	Medical College Admission Test (MCAT) Preparation	0
<b>Undergraduate Year Summer Session (10 Credits)</b>		
CHEM 313	Organic Chemistry I	3
CHEM 314	Organic Chemistry II	3
CHEM 315	Organic Chemistry I Lab	2
CHEM 316	Organic Chemistry II Lab	2
<b>TOTAL UNDERGRADUATE CREDITS</b>		<b>42</b>

### Year 2 - Graduate Coursework

Catalog Number	Course Title	Credits
<b>Graduate Year Fall Semester (12 Credits)</b>		
BIOL 508	Human Anatomy	3
BIOL 563	Virology	3
BIOL 516	Mammalian Neurobiology	3
BIOL 506	Medical Microbiology	3
<b>Graduate Year Spring Semester (12 Credits)</b>		
BIOL 553	Immunology	3
BMED 604	Fundamentals of Human Physiology	5
TBD	Intro to Research Design and Analysis	4
<b>TOTAL GRADUATE CREDITS</b>		<b>24</b>

Students may elect to complete an additional 6 semester hours of graduate coursework and earn a M.S. in Biology.