

Bachelor of Science in  
**Biomedical Science - General**  
 with  
 Physician Assistant Prerequisites <sup>1</sup>

Fall Semester – Year One	credits	Winter Semester- Year One	credits
BIO 120: General Biology I ( <i>Gen Ed</i> )	4	CHM 115: Principles of Chem I ( <i>Gen Ed</i> )	5
MTH 110: Algebra	4	MTH 122: College Algebra ( <i>Gen Ed</i> )	3
Gen Ed.	3	WRT 150: Strategies in Writing	4
Gen Ed.	3	Gen Ed. or Theme	3
<b>Total</b>	<b>14</b>	<b>Total</b>	<b>15</b>
Fall Semester – Year Two	credits	Winter Semester – Year Two	credits
BMS 208: Human Anatomy *	3	BIO 355: Human Genetics	3
CHM 116: Principles of Chemistry II	5	CHM 241: Organic Chm for Life Sciences I	4
PSY 101: Intro. Psychology ( <i>Gen Ed</i> )	3	STA 215: Introductory Applied Statistics	3
MTH 123: Trigonometry	3	Gen Ed. or Theme	3
<b>Total</b>	<b>14</b>	<b>Total</b>	<b>16</b>
Fall Semester – Year Three	credits	Winter Semester – Year Three	credits
BMS 212/213: Microbiology/Lab *	4	BMS 290/291: Human Physiology/Lab *	4
CHM 242: Organic Chm for Life Sciences II	4	CHM 232: Biological Chemistry *	4
PHY 220: General Physics I	5	PHY 221: General Physics II	5
BIO 328: Biomedical Ethics (SWS) <sup>3</sup>	3	Gen Ed. or Theme, or WRT 305 <sup>2</sup>	3
<b>Total</b>	<b>16</b>	<b>Total</b>	<b>16</b>
Fall Semester – Year Four	credits	Winter Semester – Year Four	Credits
BMS 301: Research in Health Science	3	BMS 495: Concepts in Wellness (SWS)	3
Gen Ed. or Theme	3	Gen Ed. or Theme	3
Gen Ed. or Theme	3	Gen Ed. or Theme	3
BMS 305: Clinical Nutrition <sup>3</sup>	3	Elective	3
BMS 309: Lab in Human Anatomy <sup>3</sup>	1	BMS 311: Pharmacology <sup>3</sup>	3
BMS 310: Basic Pathophysiology <sup>3</sup>	3	<b>Total</b>	<b>15</b>
<b>Total</b>	<b>16</b>		

**Notes:**

\* These courses must have been completed within the last five years or be retaken.

<sup>1</sup> A Physician Assistant Studies program at GVSU is a Master's degree which requires the completion of a nationally accredited bachelor's degree prior to the start of the program. No specific major is required.

<sup>2</sup> Students who pass the WRT 305 exam have room to take a Gen Ed, Theme, or elective course in this semester.

<sup>3</sup> These courses have been found beneficial for success in the program though are **not required** as pre-requisites.

**Special Notes:**

- A. This is a **general** curriculum guide and will not work for everyone, especially those students who have AP or CLEP credit.
- B. Courses that have (*Gen Ed*) written after them are classes that are required in the major and also fulfill a section of the general education program.
- C. Remember to fulfill your 2 SWS requirements; 1 can be taken in the general education program and 1 in your major.
- D. Some classes are in multiple sections within the general education. If you take a course that can be counted in two categories, you can open up 1-2 more spots for major electives.
- E. You must have a minimum of **120 credits** to graduate from Grand Valley State University.

**Students majoring in Biomedical Science are encouraged to meet with an advisor in the CLAS Academic Advising Center (616-331-8585) for their undergraduate program while also meeting with an advisor in the College of Health Professions (616-331-3356) to discuss the admission requirements for the Physician Assistant Studies Program.**

# Master's of Physician Assistant Studies

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## Application Criteria ~

- ✓ Application deadline is: **October 1<sup>st</sup>**
- ✓ Completion of all prerequisite coursework (outlined below) and a bachelor's degree are required by the month of May prior to the start of the PAS program in the fall semester
- ✓ Minimum grade of “**C**” must be attained in all prerequisite coursework
- ✓ Minimum 3.0 GPA in prerequisite coursework **and** in last 60 hours of coursework
- ✓ Official transcripts from all colleges and universities attended
- ✓ Evidence of 500-plus hours of significant volunteer, work, or observational experience in a health care environment. This experience must be hands on patient care activities
- ✓ Two letters of recommendation on university forms; one from a physician assistant is encouraged but not required
- ✓ Communication and interpersonal skills are important components of the application process. Students who meet select admission criteria will be invited to participate in on-site interviews and writing assessments.

The following courses are included in the Biomedical Science curriculum guide on the reverse side.

Prerequisite Courses (Required)	Status	Course/School	Year	Grade	Credits
<b>BIO 120</b> General Biology I (prerequisites: CHM 109 or 115)					
<b>BIO 355</b> Human Genetics (BIO 120 or BIO 103)					
<b>*BMS 208</b> Human Anatomy (prerequisites: BIO 120 or BMS 202)					
<b>*BMS 212/213</b> Introductory Microbiology w/ Lab (BIO 120 & CHM 230 or 232 or 241) (BMS 212 or concurrent)					
<b>*BMS 290/291</b> Human Physiology & Lab (BMS 208 & 2 semesters of CHM)					
<b>CHM 109</b> Introductory Chemistry					
<b>CHM 231</b> Introductory Organic Chemistry (CHM 109 or CHM 116)					
<b>*CHM 232</b> Biological Chemistry (CHM 231)					
<b>PHY 200</b> Physics for the Life Sciences (MTH 110)					
<b>PSY 101</b> Introduction to Psychology					
<b>STA 215</b> Introductory Applied Statistics (MTH 110)					

Courses with an \* must have been taken in the last 5 years

The following courses are highly recommended though not required for admission.

Recommended Courses	Status	Course/School	Year	Grade	Credits
<b>BIO 328</b> Biomedical Ethics					
<b>BMS 305</b> Clinical Nutrition					
<b>BMS 309</b> Human Anatomy Cadavar lab					
<b>BMS 310</b> Pathophysiology					
<b>BMS 311</b> Pharmacology					

**For more information about the Physician Assistant Studies program please call the College of Health Professions at 616-331-3356 to schedule an appointment to meet with an advisor.**