

**BEHAVIORAL NEUROSCIENCE-BS-PRE-PROFESSIONAL EMPHASIS**THIS IS A **GENERAL** CURRICULUM GUIDE AND IS NOT APPLICABLE TO EVERY STUDENT. IT IS IMPORTANT TO MEET WITH YOUR ADVISOR.

Year One			
<sup>1</sup> <b>BIO 120</b> General Biology I (w/lab) Prerequisites: High school chemistry, CHM 109, or CHM 115 strongly recommended (CHM 109 or 115 may be taken concurrently)	4 (6)	<b>BMS 208</b> Human Anatomy Prerequisite: BIO 120	3
<b>CHM 115</b> Principles of Chemistry I (w/lab) Prerequisites: High school chemistry and (MTH 110 or MTH 122 or MTH 125 or MTH 201)	4 (6)	<b>CHM 116</b> Principles of Chemistry II (w/lab) Prerequisites: CHM 115 and (MTH 122 or MTH 125 or MTH 201)	5 (7)
<sup>2</sup> <b>MTH 122</b> College Algebra Prerequisite: MTH 110 or by Grand Valley math placement	3	<sup>5</sup> <b>WRT 150</b> Strategies in Writing PSY 101 Introductory Psychology	4 3
Gen Ed-Arts	3		
<sup>3</sup> Elective	1		
<i>Numbers noted within (parentheses) are contact hours</i>	<i>Total</i>		<i>Total</i>
	15		15
Year Two			
<b>BMS 212</b> Introductory Microbiology Prerequisites: BIO 120 and (CHM 230 or CHM 232 or CHM 241)	3	<b>BMS 290</b> Human Physiology Prerequisites: BMS 208 and two semesters of chemistry	3
<b>BMS 213</b> Laboratory in Microbiology Prerequisite: BMS 212 or concurrent enrollment	1 (4)	<b>CHM 242</b> Organic Chemistry for Life Sciences II (w/lab) Prerequisite: CHM 241	4(6)
<b>CHM 241</b> Organic Chemistry for Life Sciences I (w/lab) Prerequisite: CHM 116	5 (7)	<sup>2</sup> <b>MTH 123</b> Trigonometry Prerequisite: MTH 122 or assignment through Grand Valley math placement (MTH 122 may be taken concurrently)	3
<b>STA 215</b> Introductory Applied Statistics Prerequisite: MTH 110 or equivalent	3	Gen Ed-Philosophy and Literature	3
PSY 330 Foundations of Behavioral Neuroscience	3	Gen Ed-SOC 101	3
<i>Total</i>	15	<i>Total</i>	16
Year Three			
<b>CHM 461</b> Biochemistry I Prerequisite: CHM 242 or CHM 247 and CHM 248	4	<b>BIO 355 or 375</b> Genetics + <b>BIO 376</b> Genetics Laboratory BIO 375 Prerequisites: BIO 120 or CMB 155 and 156 BIO 376 Prerequisites: BIO 375 or 355 (either may be taken concurrently)	3/1(6)
<b>PHY 220</b> General Physics I (w/lab & discussion) Prerequisites: MTH 122 and MTH 123	5 (7)	<b>PHY 221</b> General Physics II (w/lab & discussion) Prerequisites: PHY 220	5 (7)
<b>BMS 391</b> Laboratory in Human Physiology Prerequisite: BMS 290 or 251 and two semesters of chemistry	2 (3)	Issues	3
<sup>4</sup> PSY 300 (SWS)	3	Gen Ed-Historical Perspectives	3
<sup>3</sup> Elective	1		
<i>Total</i>	15	<i>Total</i>	15
Year Four			
PSY 400 Advanced Research in Psychology	3	PSY 492 Advanced General: Capstone	3
PSY 370/375/431/432-Advanced Psychology Elective	3	PSY 435 Advanced Neuroscience and Behavior	3
BIO 352 Animal Behavior	3	Gen Ed-U.S. Diversity	3
Issues	3	<sup>4</sup> Elective-Second SWS	3
Gen Ed-Global Perspectives	3	<sup>3</sup> Elective	3
<i>Total</i>	15	<i>Total</i>	15

\*The block tuition rate is for 12-15 credits. You will pay additional tuition for any credits over 15.

<sup>1</sup> CMB 155+156 can sub for BIO 120 for those students interested in research (with advisor approval).<sup>2</sup> For students with the Advanced Waiver for Mathematics based on ACT/SAT scores, it is **STRONGLY RECOMMENDED** that proficiency in MTH 123 – Trigonometry – be demonstrated by either taking the MTH 123 course or by achieving a passing score on the GVSU math placement test **PRIOR** to taking PHY 220 and 221. Students who have AP/IB/dual enrollment credit for MTH 201 (Calculus I), or complete the MTH 122 and 123 proficiency tests, only need to complete STA 215. MTH 124 and MTH 201 will substitute for MTH 122 and MTH 123. **To take the Math Proficiency Tests online, visit: [gvsu.edu/s/mv](https://gvsu.edu/s/mv)**<sup>3</sup> Elective refers to any course that will help you reach the required 120 credits to graduate. **Consider other prerequisites/suggested courses for professional area, minor or certificate**<sup>4</sup> Students must complete two courses with an SWS attribute.<sup>5</sup> Students who self-place into WRT 120 should take this course in the fall semester and then take WRT 130 in the winter semester of their first year. Students who self-place into WRT 150 can take it in either semester during their first year. Students will not need to take WRT 150 if they have earned credit for the course through AP/Dual Enrollment. A grade of C or better is required in WRT 130 or 150 in order to satisfy the WRT requirement at GVSU.

**Declaring the Behavioral Neuroscience Major:**

1. In myBanner, select “Student” > “Student Records” > “Change Major” > “Change Major 1/Program”
2. Choose “Behavioral Neuroscience-BS” from the drop-down box.
3. Click “Submit” and then “Change to New Program”
4. Declare “**PreProfessional Preparation**” as your SECOND MAJOR if you are planning on medical, dental, pharmacy, chiropractic, podiatry, or optometry school.

**General Education Overlap**

<b>General Education Categories fulfilled by the Biomedical Sciences Major:</b>	
Life Sciences with Lab: BIO 120	Physical Sciences with Lab: CHM 115
Mathematical Sciences: STA 215, MTH 122, MTH 123	Social and Behavioral Sciences: PSY 101 and SOC 101
Supplemental Writing Skills (SWS)-PSY 300	

**It is imperative to meet with your faculty advisor and an advisor in the CLAS Academic Advising Center regularly.  
The CLAS Academic Advising Center is located in C-1-120 MAK, 616-331-8585**

**Pre-Professional Students**

(Pre-Chiropractic, Pre-Dental, Pre-Medical, Pre-Optometry, Pre-Pharmacy, Pre-Podiatry, & Pre-Veterinary)

***Keep in mind that you may major in anything so long as you complete the prerequisites for your professional program.***

To schedule an appointment with a Behavioral Neuroscience and/or Pre-Professional Advisor in the CLAS Academic Advising Center, visit [www.gvsu.edu/clasadvising](http://www.gvsu.edu/clasadvising) and click on “Schedule Appointment”

To find more information on Pre-Professional programs, visit [www.gvsu.edu/clasadvising/preprofessional](http://www.gvsu.edu/clasadvising/preprofessional)