

# BEHAVIORAL NEUROSCIENCE-BA or BS

THIS IS A **GENERAL** CURRICULUM GUIDE AND IS NOT APPLICABLE TO EVERY STUDENT. IT IS IMPORTANT TO MEET WITH YOUR ADVISOR.

Year One			
MTH 110 Algebra or placement	4	<sup>1</sup> BIO 120 General Biology I (w/lab)	4
PSY 101 Introductory Psychology	3	Prerequisites: High school chemistry, CHM 109, or CHM 125+126	
Gen Ed or <sup>5</sup> WRT 120 (self-placement)	3	strongly recommended (CHM 109 or 125+126 may be taken	
General Education	3	concurrently)	
<sup>3</sup> Elective (if needed)	2	<sup>2</sup> CHM 109 Introductory Chemistry (w/discussion + lab)**	4
		<sup>5</sup> WRT 130 or WRT 150 Strategies in Writing	3-4
		General Education	3
		<sup>3</sup> Elective (if needed)	1
<i>Total</i>	15	<i>Total</i>	15
Year Two			
BMS 250 Anatomy and Physiology I (w/lab)	4	<sup>4</sup> PSY 300 Research Methods in Psychology (SWS)	3
Prerequisite: BIO 120 or (both CMB 155 and CMB 156)		PSY 350 Psychology Research and Data Applications	3
STA 215 Introductory Applied Statistics	3	General Education	3
Prerequisite: MTH 110 or equivalent		Minor/Elective	3
PSY 330 Foundations of Behavioral Neuroscience	3	General Education	3
Minor/Elective	3		
<sup>3</sup> Elective (if needed)	2		
<i>Total</i>	15	<i>Total</i>	15
Year Three			
<sup>6</sup> Major Elective	3-4	BIO 355 or 375 Genetics + BIO 376 Genetics Laboratory	4
BIO 352 Animal Behavior (w/lab)	3	BIO 375 Prerequisites: BIO 120 or CMB 155 and 156	
Prerequisite: Two courses in biology or psychology or		BIO 376 Prerequisites: BIO 375 or 355 (either may be taken	
permission of instructor		concurrently)	
Issues	3	<sup>6</sup> Major Elective	3-4
General Education	3	General Education or Minor/Elective	3
<sup>3</sup> Elective (if needed)	2-3	Minor/Elective	3
		<sup>3</sup> Elective (if needed)	1-2
<i>Total</i>	15	<i>Total</i>	15
Year Four			
Minor/Elective	3	PSY 492 Advanced General: Capstone	3
PSY 370/375/431/432-Advanced Psychology Elective	3	PSY 435 Advanced Neuroscience and Behavior	3
Minor/Elective	3	General Education	3
Issues	3	<sup>4</sup> Minor/Elective-Second SWS (if needed)	3
Minor/Elective	3	Minor/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.

\*\*If you are pursuing a pre-professional area, please see the Behavioral Neuroscience Preprofessional guide and consult with an advisor.

<sup>1</sup>CMB 155+156 can sub for BIO 120 for those students interested in research (with advisor approval). Preprofessional students should take BIO 120 in the fall semester; see the other Behavioral Neuroscience Preprofessional guide for suggested course sequencing.

<sup>2</sup>This guide may not reflect all requirements for professional or graduate programs. You may need to take a different chemistry sequence based on career interests. CHM 125+126, 127+128, 235+236, 237+238, 461, BMS 208, 209, 309, 391, etc. may be needed for professional or graduate programs (see Behavioral Neuroscience Preprofessional guide and consult and advisor).

<sup>3</sup>Students must have a minimum of 120 credits to graduate with 58 of the 120 credits being from a senior level institution and the final 30 of the 120 credits completed at GVSU. Elective refers to any course that will help meet these requirements.

<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.

<sup>6</sup>Major Electives- you must select two major elective options (see pg. 2). They must come from two different disciplines.

## Degree Requirements

Behavioral Neuroscience students can pursue a Bachelor of Arts or Bachelor of Science degree. Students who wish to obtain a BA must fulfill 3rd semester proficiency in a foreign language (201 level). The BS requirements are incorporated into the major requirements and include STA 215, PSY 300, and PSY 350.

## Declaring the Behavioral Neuroscience Major:

1. In myBanner, select "Student" > "Student Records" > "Change Major" > "Change Major 1/Program"
2. Choose "Behavioral Neuroscience-BS" or "Behavioral Neuroscience-BA" from the drop-down box.
3. Click "Submit" and then "Change to New Program"

Behavioral Neuroscience Major (50 credits)									
Psychology Courses (21 credits)									
<p>— <b>PSY 101 Introductory Psychology</b> (3)</p> <p>— <b>PSY 300 SWS Research Methods in Psychology</b> (3) Prerequisite: PSY 101 or HNR 234 and STA 215 or STA 312 and WRT 150</p> <p>— <b>PSY 330 Foundations of Behavioral Neuroscience</b> (3) Prerequisite: PSY 101 or HNR 234</p> <p><b>Also Choose One of the Following Psychology Courses:</b></p> <p>___ <b>PSY 370 Cognitive Neuroscience</b>    ___ <b>PSY 431 Neuropsychology</b></p> <p>___ <b>PSY 375 Comparative Psychology</b>    ___ <b>PSY 432 Psychopharmacology</b></p>	<p>— <b>PSY 350 Psychology Research and Data Applications</b> (3) Prerequisites: PSY 101, STA 215, PSY 300 (PSY 300 may be taken concurrently)</p> <p>___ <b>PSY 435 Advanced Neuroscience and Behavior</b> (3) Prerequisites: PSY 330</p> <p>___ <b>PSY 492 Advanced General: Capstone</b> (3) Prerequisite: Senior standing and major in Psychology or Behavioral</p>								
Biology Courses (11 Credits)	Chemistry Courses (4-9 Credits) <sup>2</sup>								
<p>These courses cannot also count for electives below</p> <p>___ <b>BIO 120 General Biology I</b> (4) Prerequisite: High school chemistry, CHM 109, CHM 125+126 strongly recommended (CHM 109 or CHM 125+126 may be taken concurrently)</p> <p>___ <b>BIO 352 Animal Behavior</b> (3) Prerequisite: Two courses in biology or psychology or permission of instructor</p> <p>___ <b>BIO 355 Human Genetics</b> <u>OR</u> <b>BIO 375 Genetics</b> (3) Prerequisite: BIO 120</p> <p><b>AND</b></p> <p>___ <b>BIO 376 Genetics Lab</b> (1) Prerequisite: BIO 120 and concurrent enrollment in BIO 375 or completion of BIO 355</p>	<p><b>Choose one of the following:</b></p> <p>___ <b>CHM 109 Introductory Chemistry</b> (4)    <u>OR</u></p> <p>___ <b>CHM 125 Principles of Chemistry I Lecture</b> (3) ___ <b>CHM 126 Principles of Chemistry I Lab</b> (1) Prerequisite: High school chemistry, MTH 110 or MTH 122 or MTH 125 or MTH 201</p> <p><b>AND</b></p> <p>___ <b>CHM 127 Principles of Chemistry II Lecture</b> (4) ___ <b>CHM 128 Principles of Chemistry II Lab</b> (1) Prerequisite: CHM 125 and 126 and (MTH 122 or MTH 124 or MTH 201)</p> <tr> <th colspan="2">Biomedical Science Courses (4)</th></tr> <tr> <td colspan="2"> <p>___ <b>BMS 250 Anatomy and Physiology I</b> (4)<sup>2</sup> Prerequisite: BIO 120</p> </td></tr> <tr> <th colspan="2">Introductory Statistics Course (3)</th></tr> <tr> <td colspan="2"> <p>___ <b>STA 215 Introduction to Statistics</b> (3) Prerequisite: MTH 110 or equivalent</p> </td></tr>	Biomedical Science Courses (4)		<p>___ <b>BMS 250 Anatomy and Physiology I</b> (4)<sup>2</sup> Prerequisite: BIO 120</p>		Introductory Statistics Course (3)		<p>___ <b>STA 215 Introduction to Statistics</b> (3) Prerequisite: MTH 110 or equivalent</p>	
Biomedical Science Courses (4)									
<p>___ <b>BMS 250 Anatomy and Physiology I</b> (4)<sup>2</sup> Prerequisite: BIO 120</p>									
Introductory Statistics Course (3)									
<p>___ <b>STA 215 Introduction to Statistics</b> (3) Prerequisite: MTH 110 or equivalent</p>									
Behavioral Neuroscience Electives (6 credits)									
See list below for elective options; Each course must be taken from different departments									
Additional pre-reqs may be required									
<p>— <b>Elective</b> ____ (3)</p> <p>BIO 121 General Biology (4)</p> <p>BIO 302 Comparative Vertebrate Anatomy (4)</p> <p>BIO 329 Evolution of Social Behavior (3)</p> <p>BIO 432 Comparative Animal Physiology (4)</p> <p>BMS 251 Anatomy and Physiology II (4)</p> <p>CHM 231 Introductory Organic Chemistry (4)<sup>2</sup></p> <p>CHM 234 Introductory Biochemistry (4)<sup>2</sup></p> <p>PHY 200 Physics for the Life Sciences (4)<sup>1</sup></p> <p>Preprofessional students should refer to the Preprofessional Behavioral Neuroscience guide.</p>	<p>— <b>Elective</b> ____ (3)</p> <p>PHY 220 General Physics I (5)<sup>2</sup></p> <p>PSY 301 Child Development (3)</p> <p>PSY 303 Psychopathology (3)</p> <p>PSY 357 Psychology of Language (3)</p> <p>PSY 361 Perception (3)</p> <p>PSY 364 Life Span Development (3)</p> <p>PSY 365 Cognition (3)</p> <p>PSY 420 Theories of Personality (3)</p>								

#### General Education Overlap

General Education Categories fulfilled by the Biomedical Sciences Major:	
Life Sciences with Lab: BIO 120	Physical Sciences with Lab: CHM 109
Mathematical Sciences: STA 215	Social and Behavioral Sciences: PSY 101
Supplemental Writing Skills (SWS)-PSY 300	Issues: BIO 329 (major elective)

#### Pre-Professional Students

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

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)  
**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**