

**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.**Behavioral Neuroscience Major (50 credits)****Psychology Courses (21 credits)**

- **PSY 101 Introductory Psychology (3)**
- **PSY 300 SWS Research Methods in Psychology (3)**  
Prerequisite: PSY 101 or HNR 234 and STA 215 or STA 312 and WRT 150
- **PSY 330 Foundations of Behavioral Neuroscience (3)**  
Prerequisite: PSY 101 or HNR 234

- **PSY 400 Advanced Research in Psychology (3)**  
Prerequisite: PSY 101, PSY 300, and course in relevant content area or permission of instructor
- **PSY 435 Advanced Neuroscience and Behavior (3)**  
Prerequisites: PSY 330
- **PSY 492 Advanced General: Capstone (3)**  
Prerequisite: Senior standing and major in Psychology or Behavioral

**Also Choose One of the Following Psychology Courses:**

- \_\_\_ **PSY 370 Cognitive Neuroscience**    \_\_\_ **PSY 431 Neuropsychology**
- \_\_\_ **PSY 375 Comparative Psychology**    \_\_\_ **PSY 432 Psychopharmacology**

**Biology Courses (11 Credits)**

These courses cannot also count for electives below

- \_\_\_ **BIO 120 General Biology I (4)**  
Prerequisite: High school chemistry, CHM 109, CHM 115 strongly recommended (CHM 109 or CHM 115 may be taken concurrently)
- \_\_\_ **BIO 352 Animal Behavior (3)**  
Prerequisite: Two courses in biology or psychology or permission of instructor
- \_\_\_ **BIO 355 Human Genetics OR BIO 375 Genetics (3)**  
Prerequisite: BIO 120
- AND**
- \_\_\_ **BIO 376 Genetics Lab (1)**  
Prerequisite: BIO 120 and concurrent enrollment in BIO 375 or completion of BIO 355

**Chemistry Courses (4-9 Credits)<sup>2</sup>****Choose one of the following:**

- \_\_\_ **CHM 109 Introductory Chemistry (4)**    **OR**
- \_\_\_ **CHM 115 Principles of Chemistry (4)**  
Prerequisite: High school chemistry, MTH 110 or MTH 122 or MTH 125 or MTH 201
- AND**
- \_\_\_ **CHM 116 Principles of Chemistry (5)**  
Prerequisite: CHM 115 and (MTH 122 or MTH 124 or MTH 201)

**Biomedical Science Courses (4)**

- \_\_\_ **BMS 250 Anatomy and Physiology I (4)<sup>2</sup>**  
Prerequisite: BIO 120

**Introductory Statistics Course (3)**

- \_\_\_ **STA 215 Introduction to Statistics (3)**  
Prerequisite: MTH 110 or equivalent

**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

- **Elective** \_\_\_ (3)
- BIO 121 General Biology (4)
- BIO 302 Comparative Vertebrate Anatomy (4)
- BIO 329 Evolution of Social Behavior (3)
- BIO 432 Comparative Animal Physiology (4)
- BMS 251 Anatomy and Physiology II (4)
- CHM 230 Introduction to Organic and Biochemistry (4)
- CHM 231 Introductory Organic Chemistry (4)
- PHY 200 Physics for the Life Sciences (4)<sup>2</sup>
- Pre-Med students should refer to the Pre-Med Behavioral Neuroscience guide.
- **Elective** \_\_\_ (3)
- PHY 220 General Physics I (5)<sup>2</sup>
- PSY 301 Child Development (3)
- PSY 303 Psychopathology (3)
- PSY 357 Psychology of Language (3)
- PSY 361 Perception (3)
- PSY 364 Life Span Development (3)
- PSY 365 Cognition (3)
- PSY 420 Theories of Personality (3)

**Degree: choose one (B.A. or B.S.)****Bachelor of Arts (B.A.)**

- Third semester proficiency (201 level) is required for the B.A. degree. This may be fulfilled through language placement (<http://www.gvsu.edu/ml/language-placement-exam-108.htm>) or by completing the courses listed below
- **Language 101\*** (4)
  - **Language 102\*** (4) (\*150 is a hybrid of 101 & 102 and is recommended for students with previous language background; students may move into Language 201 after completing Language 150)
  - **Language 201** (4)

**Bachelor of Science (B.S.)**

- **STA 215 Introduction to Statistics (3)**  
Prerequisite: MTH 110 or equivalent
- **PSY 300 SWS Research Methods in Psychology (3)**  
Prerequisites: STA 215
- **PSY 435 Advanced Neuroscience and Behavior (3)**  
Prerequisites: PSY 330

### Sample Plan

<p><b>Year One</b></p> <p>PSY 101 (3)          BIO 120 (4)          MTH 110, or placement          GEN ED (3) or WRT 120 self-placement-fall          STA 215 (3)          WRT 150 (4)<sup>1</sup>-Winter          CHM 109 (4) or CHM 115 (4)<sup>2</sup>          Language (4), if BA, or GEN ED (3)</p> <p><b>Year Two</b></p> <p>PSY 300 (3)          PSY 330 (3)          BMS 250 (4)<sup>2</sup>          CHM 116 (5)<sup>2</sup>, if CHM 115 was completed          GEN ED (3)          BIO 352 (3)          BIO 355 (3) or BIO 375(3)          GEN ED (3)          Language (4), if BA, or GEN ED (3)          Language (4), if BA, or GEN ED (3)</p>	<p><b>Years Three and Four</b></p> <p>PSY 435 (3)          BIO 376 (1)          Behavioral Neuroscience Elective          GEN ED (3)          PSY 370 or PSY 375 or PSY 431 or PSY 432 (3)          Behavioral Neuroscience Elective          Issues Course (3)          Elective<sup>3</sup></p> <p>PSY 400 (3)          Issues (course) (3)          PSY 492 (3)          GEN ED (3)          Elective<sup>3</sup>          Elective<sup>3</sup>          Elective<sup>3</sup>          Elective<sup>3</sup>          Elective<sup>3</sup>          Elective<sup>3</sup></p>	<p>*Students must complete a total of two courses with an SWS attribute          *Students should complete an average of 30 credits per year to earn the required 120 credits to graduate within a 4 year time span          *The block tuition rate is for 12-15 credits. You will pay additional tuition for any credits over 15</p>
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<sup>1</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 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>2</sup>Pre-Med students are advised to take CHM 115 and CHM 116 instead of CHM 109 towards the fulfillment of the Chemistry requirement. (See Behavioral Neuroscience Pre-Med Guide)

Pre-Med students are advised to take PHY 220 instead of PHY 200.

Pre-Med students are advised to take BMS 208, BMS 290, and BMS 291 in place of BMS 250.

<sup>3</sup>Additional credits to reach 120 for graduation, if needed. Based off of a 15 credit per semester schedule.

### Guide for Declaring the Behavioral Neuroscience Major

1. Log into myBanner from the GVSU homepage
2. Once logged in select "Student", "Student Records", and then, "Change Major"
3. Click on the "Change Major 1/Program" box
4. Click on the down arrow in the box next to "New Major 1/Program," from here scroll down and choose "Behavioral Neuroscience-BS" **OR** Behavioral Neuroscience- BA" depending on your degree
5. Click "Submit" and then "Change to New Program"

### General Education Overlap

<b>General Education Categories fulfilled by the Behavioral Neuroscience major:</b>	
Life Sciences: BIO 120 Physical Sciences: CHM 109, CHM 115, or PHY 220 Social and Behavioral Sciences: PSY 101 Supplemental Writing Skills (SWS): PSY 300	Mathematical Sciences: STA 215 Issues: BIO 329