

# BIOPSYCHOLOGY-BA OR BS

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

| Biopsychology Major (76 credits)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
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| <ul style="list-style-type: none"> <li>— <b>PSY 101 Introductory Psychology</b> (3)</li> <li>— <b>PSY 300 SWS Research Methods in Psychology</b> (3)<br/>Prerequisites: PSY 101 or HNR 234 and STA 215 or STA 312 and WRT 150</li> <li>— <b>PSY 364 Life Span Developmental Psychology</b> (3)<br/>Prerequisite: PSY 101 or HNR 234</li> <li>— <b>PSY 365 Cognition</b> (3)<br/>Prerequisite: PSY 101 or HNR 234</li> <li>— <b>PSY 400 Advanced Research in Psychology</b> (3)<br/>Prerequisites: PSY 101, PSY 300, and course in relevant content area or permission of instructor</li> <li>— <b>PSY 420 Theories of Personality</b> (3)<br/>Prerequisite: PSY 101 or HNR 234</li> <li>— <b>PSY 430 Physiological Psychology</b> (3)<br/>Prerequisite: PSY 101 or HNR 234, and PSY 300</li> <li>— <b>CIS 150 Introduction to Computing</b> (3)</li> <li>— <b>CHM 109 Introductory Chemistry</b> (4)<sup>3</sup></li> <li>— <b>CHM 231 Introductory Organic Chemistry</b> (4)<br/>Prerequisite: CHM 109 or CHM 116</li> <li>— <b>CHM 232 Biological Chemistry</b> (4)<br/>Prerequisite: CHM 231</li> </ul> | <ul style="list-style-type: none"> <li>— <b>BIO 120 General Biology I</b> (4)<sup>2</sup><br/>Prerequisites: High school chemistry, CHM 109, or CHM 115 strongly recommended (CHM 109 or 115 may be taken concurrently)</li> <li>— <b>BIO 355 Human Genetics</b> (3)<br/>Prerequisite: BIO 120 or 104 or permission of instructor<br/><b>OR BIO 375 and BIO 376 Genetics and Genetics Laboratory</b> (3) (1)<br/>Prerequisites: BIO 120 and concurrent enrollment in BIO 375/376</li> <li>— <b>BIO 302 Comparative Vertebrate Anatomy</b> (4)<br/>Prerequisite: BIO 121</li> <li>— <b>BIO 352 Animal Behavior</b> (3)<br/>Prerequisites: Two courses in biology or psychology or permission of instructor</li> <li>— <b>BIO 432 Comparative Animal Physiology</b> (4)<br/>Prerequisites: BIO 121 (or BMS 208), BIO 120, CHM 232 or CHM 242</li> <li>— <b>MTH 201 Calculus I</b> (4)<br/>Prerequisites: MTH 122 and MTH 123 or placement into MTH 201 via the calculus readiness test</li> <li>— <b>STA 215 Introduction to Statistics</b> (3)<br/>Prerequisite: MTH 110 or equivalent</li> <li>— <b>PHY 220 General Physics I</b> (5)<br/>Prerequisites: MTH 122 and MTH 123</li> <li>— <b>PHY 221 General Physics II</b> (5)<br/>Prerequisite: PHY 220</li> </ul> |
| Capstone (Choose one)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <ul style="list-style-type: none"> <li>— <b>PSY 492 Advanced General</b> (3)<br/>Prerequisite: Senior standing</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <ul style="list-style-type: none"> <li>— <b>BIO 495 Evolutionary Biology</b> (3)<br/>Prerequisites: Senior status and BIO 120, BIO 121, BIO 215, (BIO 375 or 355), BIO 376, and (CHM 231 or 241 or 245)</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Degree: choose one (B.A. or B.S.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <p>Biopsychology majors can complete the B.S. degree requirements as part of their major. Students who have completed a 3<sup>rd</sup> semester proficiency in a foreign language have the <i>option</i> of selecting the B.A. degree. It matters little to employers or graduate schools whether the degree is a B.S. or a B.A. If selecting the B.S. option choose between the Psychology or Biology degree options.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Bachelor of Arts                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Bachelor of Science-Psychology (Must take PSY 492 capstone)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <p>Third semester language proficiency (201 level) is required for the B.A. degree. This may be fulfilled through language placement (<a href="http://www.gvsu.edu/ml/language-placement-the-opi-108.htm">http://www.gvsu.edu/ml/language-placement-the-opi-108.htm</a>) or by completing the courses listed below</p> <ul style="list-style-type: none"> <li>— <b>Language 101*</b> (4)</li> <li>— <b>Language 102*</b> (4) (*150 is a hybrid of 101 &amp; 102 and is recommended for students with previous language background; students may move into Language 201 after completing Language 150)</li> <li>— <b>Language 201</b> (4)</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <ul style="list-style-type: none"> <li>— <b>STA 215 Introduction to Statistics</b> (3)<br/>Prerequisite: MTH 110 or equivalent</li> <li>— <b>PSY 300 SWS Research Methods in Psychology</b> (3)<br/>Prerequisites: PSY 101 or HNR 234 and STA 215 or STA 312 and WRT 150</li> <li>— <b>PSY 430 Physiological Psychology or 431 Introduction to Neuropsychology</b> (3) Prerequisites: PSY 101 or HNR 234, and PSY 300</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Bachelor of Science-Biology (Must take BIO 495 capstone)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <ul style="list-style-type: none"> <li>— <b>STA 215 Introduction to Statistics</b> (3) or <b>MTH 125 Survey of Calculus</b> (3) or <b>MTH 201 Calculus I</b> (4)</li> <li>— <b>BIO 120 General Biology I</b> (4)</li> <li>— <b>BIO 375 &amp; 376 Genetics &amp; Genetics Laboratory</b> (3) (1)</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

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-1-140 MAK, 616-331-8585.

Online at: <http://www.gvsu.edu/clasadvising>

### Sample Plan

| Year One                 |                          |
|--------------------------|--------------------------|
| BIO 120 (4) <sup>2</sup> | BIO 121 (4)              |
| WRT 150 (4) <sup>1</sup> | CHM 109 (4) <sup>3</sup> |
| PSY 101 (3)              | MTH 122 (3)              |
| MTH 110 (4)              | STA 215 (3)              |
| Year Two                 |                          |
| CHM 231 (4)              | CHM 232 (4)              |
| PSY 300 (3)              | BIO 355 or 375/376       |
| PSY 364 (3)              | (3-4)                    |
| CIS 150 (3)              | MTH 123 (3)              |
| GEN ED (3)               | GEN ED (3)               |

| Year Three  |                    |
|-------------|--------------------|
| PSY 365 (3) | PSY 420 (3)        |
| PHY 220 (5) | BIO 302 (4)        |
| MTH 201 (4) | PHY 221 (5)        |
| GEN ED (3)  | GEN ED (3)         |
| Year Four   |                    |
| BIO 432 (4) | BIO 352 (3)        |
| PSY 400 (3) | PSY 492 or BIO 495 |
| GEN ED (3)  | (3)                |
| ISSUE (3)   | PSY 430 (3)        |
|             | GEN ED (3)         |
|             | ISSUE (3)          |

\*Students must complete a total of two courses with an SWS attribute  
 \*Elective refers to any course to help you earn the required 120 credits for graduation. Add electives each semester where needed to average 15 credit hours per semester  
 \*MTH 122 and 123 are prerequisites for MTH 201 and PHY 220 and are not required in the Biopsychology major itself  
 \*BIO 121 is a prerequisite for BIO 302 and BIO 432 and is not required in the Biopsychology major itself  
 \*The block tuition rate is for 12-15 credits. You will pay additional tuition for any credits over 15  
 \*A major GPA of 2.0 or higher is required.

<sup>1</sup> Students who self-place into WRT 098 should take this course in the fall semester and then take WRT 150 in the winter semester of their first year. Students who self-place into WRT 150 should normally take this course in the winter semester of 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 150 in order to satisfy the WRT 150 requirement at GVSU.

<sup>2</sup>Please note that students with an ACT Science Subscore below 22 tend to be more successful if they take BIO 120 during the Winter semester of Year 1.

BIO 104 is recommended prior to BIO 120 if biology was not taken in high school or if the ACT science subscore is below 22. However, BIO 104 does NOT count toward the Biopsychology major.

<sup>3</sup>Please note that students with an ACT Science Subscore below 22 tend to be more successful if they only take one science course (BIO or CHM) during the Fall semester of Year 1.

If you have received a minimum score of 3 on the **Advanced Placement (AP) Test in Psychology**, or have **CLEP or Dual Enrollment** credit for Introductory Psychology, if you wish you can take one 300-level course for which introductory psychology is the prerequisite during the second semester of your Freshman year.

### Guide for Declaring the Biopsychology 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 "Biopsychology-BA" OR "Biopsychology-BS" depending on your degree
5. Click "Submit" and then "Change to New Program"

### General Education Overlap

| General Education Categories fulfilled by required courses in the Biopsychology major: |                                         |
|----------------------------------------------------------------------------------------|-----------------------------------------|
| Mathematical Sciences: STA 215, MTH 201                                                | Social and Behavioral Sciences: PSY 101 |
| Physical Science with Lab: CHM 109                                                     | Life Science with Lab: BIO 120          |