

# BIOPSYCHOLOGY (BS)

## Contacts

**Program Director:** John D. Pierce Jr., PhD

**Email:** John.Pierce@jefferson.edu

215-951-2556

**Campus:** East Falls

Program Website (<https://www.jefferson.edu/academics/colleges-schools-institutes/humanities-sciences/degree-programs/biopsychology.html>)

## Program Description

In this program, you will study psychology alongside biology, chemistry, anatomy & physiology, making this an ideal first step into further studies in a variety of experimental psychology settings, neuroscience, health fields, and scientific research. You will work closely with faculty to develop an avenue of career possibilities. First, you select a concentration option – pre-medical or graduate school – allowing you to adapt your curriculum to your career goals and interests. You will also learn to conduct professional-level research, completing an independent research project your senior year. During your time in the program, you can further enrich your education with internships in research, legal and educational settings; or study abroad anywhere in the world.

## Learning Goals/Outcomes

- Analyze and apply the scientific process to psychology.
- Locate, retrieve, critically evaluate and communicate scientific data and knowledge.
- Communicate effectively and professionally.
- Express expertise in specific content areas of psychology.
- Display knowledge of the ethical standards, personal integrity and professional responsibilities of psychologists.
- Apply principles and practice of core information and values in a psychology practice environment through internships and applied research.

## Curriculum: 4 Year, 120-130 Credits

Course	Title	Credits
<b>First Year</b>		
FYS 100	Pathways Seminar	1
WRIT 101	Writing Sem I: Written Comm.	3
AMST 114		3
Select one of the following MATH 1XX courses:		3-4
MATH 100	College Algebra	
MATH 101	College Algebra	
MATH 102	Pre-Calculus	
MATH 103	Applied Calculus	
MATH 111	Calculus I	
Select one of the following:		3-4
Quant Reasoning II		
General Elective		
BIOL 103 & 103L	Biology I and Biology I Lab	4
BIOL 104 & 104L	Biology II and Biology II Lab	4
PSYC 101	Intro to Psychology	3

Course	Title	Credits
PSYC 213	Developmental Psychology	3
PSYC 103	Physiological Psychology	3
		<b>30-32</b>
<b>Second Year</b>		
ETHC 2XX	Ethics	3
GDIV 2XX	Global Diversity	3
WRIT 201	Writing Seminar II: Multi Comm	3
ADIV 2XX	American Diversity	3
CHEM 103 & 103L	Chemistry I and Chemistry I Lab	4
CHEM 104 & 104L	Chemistry II and Chemistry II Lab	4
Select from one of the following PSYC 2XX courses:		3
PSYC 240	Comparative Psychology	
PSYC 241	Psychopharmacology	
PSYC 242	Sensations and Perceptions	
PSYC XXX	Concentration Course	3-4
PSYC XXX	Concentration Course	3-4
		<b>29-31</b>
<b>Third Year</b>		
GCIT 2XX	Global Citizenship	3
CGIS 300	Contemporary Global Issues	3
ISEM 3XX	Integrative Seminar	3
BIOL 201 & 201L	Human Anatomy and Physiology I and Human Anat & Physiology I Lab	4
STAT 220	Stats for the Behavioral Sci	3
PSYC 2XX	Psych Designated Elective	3
PSYC 322	Research Method Behavior Sci	3
Select one of the following PSYC 2XX courses:		3
PSYC 240	Comparative Psychology	
PSYC 241	Psychopharmacology	
PSYC 242	Sensations and Perceptions	
PSYC XXX	PSYC Concentration course	3-4
PSYC XXX	PSYC Concentration course	3-4
General Electives		3
		<b>34-36</b>
<b>Fourth Year</b>		
PHIL 499	Philosophies of the Good Life	3
PSYC 391	Adv Research in Psychology	3
PSYC 410	SR Colloquium in Psychology	3
Select one of the following PSYC 2XX courses:		3
PSYC 240	Comparative Psychology	
PSYC 241	Psychopharmacology	
PSYC 242	Sensations and Perceptions	
PSYC XXX	PSYC Concentration course	3-4
PSYC XXX	PSYC Concentration course	3-4
PSYC XXX	PSYC Concentration course	3-4
General Electives		9
		<b>30-33</b>
		<b>123-132</b>

## Psychology Concentration Option

(See academic advisor before selecting one of the following)

### Pre-Med Option

Code	Title	Credits
MATH 111	Calculus I (must take to fulfill the Math requirement)	4
MATH 112	Calculus II (must take to fulfill the Math requirement)	4

## 2 Biopsychology (BS)

Code	Title	Credits
CHEM 201 & 201L	Organic Chemistry I and Organic Chemistry I Lab	4
CHEM 202 & 202L	Organic Chemistry II and Organic Chemistry II Lab	4
PHYS 201 & 201L	and	4
PHYS 203 & 203L	and Physics II Lab	4
Three additional advanced courses from Biology and Psychology <sup>1</sup>		9

<sup>1</sup> See advisor

### Graduate Study Option<sup>1</sup>

Code	Title	Credits
Select three advanced courses from Biology		9
Select three advanced courses from Psychology		9
Select one additional advanced course from Biology or Psychology areas		3

<sup>1</sup> Select seven advanced courses from Biology and Psychology areas (at least three from each area; see advisor)

### Introductory and Fundamentals Courses

(Fundamental "099" courses do **not** count toward graduation requirements. However, WRTG 100 **can** be used toward graduation credits as a General Elective.