

# PSYCHOLOGY: BEHAVIORAL AND COGNITIVE NEUROSCIENCE TRACK (BS)

## Program Description

The BS in Psychology is designed for students that are passionate about integrating psychology and natural sciences with the goal of pursuing careers or graduate programs such as but not limited to clinical psychology, behavioral or cognitive neuroscience, and animal behavior. The BS program also prepares students for further study or employment in fields such as behavioral neurobiology, health psychology, and behavioral medicine.

The Behavioral and Cognitive Neuroscience track provides students with the knowledge and skills for graduate work or jobs in the research or application of neuroscience and neuropsychology.

## Entering and Completing the Major

In order to earn a degree, you must complete at least one academic major. SPU encourages students to explore various academic paths, so if you change your mind about a major, or want to include an additional program, you are able to do so, as outlined below.

Note that the University encourages you to enter your chosen major(s) as soon as you have determined it and are eligible to join it, especially by the start of your junior year. Students who transfer as juniors and seniors should enter a major within their first two quarters at SPU.

- If this is your first quarter at SPU and you identified a major in this department as your first choice on your application for admission to the University, you have gained entry to the major. To change or add a major, follow these instructions (<https://spu.atlassian.net/l/cp/a3th1keb>).
- If you are an SPU student with an SPU cumulative GPA of 2.0 or better, follow these instructions (<https://spu.atlassian.net/l/cp/a3th1keb>) to enter a major in this department.
- The University requires a grade of C- or better in all classes that apply to a major; however, programs may require higher minimum grades in specific courses. You may repeat an SPU course only once for a higher grade.
- To advance in this program, meet with your faculty advisor regularly to discuss your grades, course progression, and other indicators of satisfactory academic progress. If your grades or other factors indicate that you may not be able to successfully complete the major or minor, your faculty advisor can work with you to explore options, which may include choosing a different major.
- You must complete the major requirements that are in effect in the SPU Undergraduate Catalog for the year you enter the major.

## Psychology: Behavioral and Cognitive Neuroscience Track (BS)

92 Credits Minimum, Including 36 Upper Division (UD)

Code	Title	Credits
<b>General Core</b>		
PSY 1180	General Psychology: Individual in Growth	5

PSY 1200	Psychology as Vocation	1
PSY 4899	Senior Seminar in Psychology	3
PSY 4940	Internship in Psychology	3
or PSY 4970	Independent Research	
Section Credits Required		12
<b>Methods in Psychological Research</b>		
PSY 2360	Introduction to Statistics in Social and Behavioral Sciences	5
PSY 3588	Psychological Research Methods	5
PSY 4428	Advanced Statistical Analysis	5
Section Credits Required		15
<b>Sociocultural Psychology</b>		
PSY 3410	Cross-Cultural Psychology	5
PSY 3438	Social Psychology	5
Section Credits Required		10
<b>Learning &amp; Cognitive Psychology</b>		
PSY 3700	Learning and Behavior	5
or PSY 3800	Cognitive Psychology	
Section Credits Required		5
<b>Natural Science and Behavior</b>		
PSY 4488	Behavioral Neuroscience	5
Section Credits Required		5
<b>Developmental Psychology</b>		
Select one of the following:		5
PSY 2470	Lifespan Developmental Psychology	
PSY 3460	Child Developmental Psychology	
PSY 3475	Adolescent Developmental Psychology	
PSY 3480	Adult Developmental Psychology	
PSY 3485	Cultural Developmental Psychology	
Section Credits Required		5
<b>Psychological Disorders</b>		
PSY 3360	Psychological Disorders	5
Section Credits Required		5
<b>Natural Science</b>		
BIO 2129	Human Anatomy and Physiology	5
BIO 2130	Human Anatomy and Physiology	5
Section Credits Required		10
CHM 1310	Survey of General Chemistry	5
CHM 1360	Survey of Biological Chemistry	5
Section Credits Required		10
<b>Advanced Research Methods</b>		
PSY 4101	Advanced Research Methods: Animal Behavior	5
or PSY 4102	Advanced Research Methods: Cognitive Psychology	
Section Credits Required		5
<b>Behavioral and Cognitive Neuroscience Track <sup>1</sup></b>		
Select two of the following:		10
BIO 3434	Animal Behavior	
BIO 4418	Neurobiology	
PSY 2210	Health Psychology	
PSY 3388	Comparative Neuroanatomy of Behavior	
PSY 4110	Psychopharmacology	

Section Credits Required	10
<b>Total Credits</b>	<b>92</b>

<sup>1</sup> If both PSY 3700 and 3800 are taken, 3800 may count here.

## Suggested Course Sequence

This suggested course sequence is a potential plan for how to complete the major within four years. Please consult with your faculty advisor for guidance and regularly review your degree status check in Banner to make sure you are on track with all of your degree requirements.

### First Year

- Unless you are exempt, take the Math Placement Test at least three academic quarters before you intend to register for Statistics.
- Transfer students should take PSY 1200 Psychology as Vocation the first quarter they are able to register.
- Choose a B. S. track: Animal Behavior, Behavioral and Cognitive Neuroscience, or Psychological Science.
- Apply to major in Banner.
- Attend New Major Orientation upon admission to the major.

### Second Year

- Create a three-year plan and meet with your faculty advisor for review.

### Third Year

- Psychology majors apply to graduate after 105 credits.
- Majors must apply to graduate before registering for an Advanced Research Methods (ARM) course.

### Fourth Year

- Create a final-year plan and meet with your faculty advisor for review.

Course	Title	Credits
<b>First Year</b>		
<b>Autumn</b>		
FYS 1000	First Year Seminar	3
CHM 1310	Survey of General Chemistry	5
<b>Credits</b>		<b>8</b>
<b>Winter</b>		
CHM 1310	Survey of General Chemistry (if not completed in fall)	5
CHM 1330	Survey of Organic Chemistry (for graduate careers)	5
<b>Credits</b>		<b>10</b>
<b>Spring</b>		
CHM 1360	Survey of Biological Chemistry	5
<b>Credits</b>		<b>5</b>
<b>Any Quarter</b>		
PSY 1180	General Psychology: Individual in Growth	5
PSY 1200	Psychology as Vocation	1
TCOR 1000	The Christian Faith	5
WRI 1000	Academic Inquiry and Writing Seminar	5
Any 2000-level PSY course		
<b>Credits</b>		<b>16</b>
<b>Second Year</b>		
<b>Autumn</b>		
BIO 2129	Human Anatomy and Physiology	5
<b>Credits</b>		<b>5</b>
<b>Winter</b>		
BIO 2130	Human Anatomy and Physiology	5
<b>Credits</b>		<b>5</b>

<b>Any Quarter</b>		
PSY 2360	Introduction to Statistics in Social and Behavioral Sciences	5
PSY 2470 or PSY 3460	Lifespan Developmental Psychology or Child Developmental Psychology	5
PSY 3410	Cross-Cultural Psychology	5
TCOR 2000	Christian Scripture	5
UCOR 2100	World History, Faith, and Reconciliation	5
Select one of the following:		3-5
BIO 3434	Animal Behavior	
BIO 4418	Neurobiology	
HSC 3035	Human Sexuality	
PSY 3388	Comparative Neuroanatomy of Behavior	
PSY 4485	Psychobiology of Women	
NUTR 2321	Nutrition Through the Life Cycle	
NUTR 3340	Human Nutrition	
<b>Credits</b>		<b>28-30</b>

<b>Third Year</b>		
<b>Any Quarter</b>		
PSY 3360	Psychological Disorders	5
PSY 3410	Cross-Cultural Psychology	5
PSY 3588	Psychological Research Methods	5
PSY 3438	Social Psychology	5
PSY 3700 or PSY 3800	Learning and Behavior or Cognitive Psychology	5
PSY 4488	Behavioral Neuroscience	5
TCOR 3100	Christian Theology	5
UCOR 3000	Faith, Philosophy, and Science	5
Select two of the following: (if you have taken PSY 3700 and 3800, one of those can count)		10
BIO 3434	Animal Behavior	
BIO 4418	Neurobiology	
HSC 3035	Human Sexuality	
PSY 3388	Comparative Neuroanatomy of Behavior	
PSY 4485	Psychobiology of Women	
NUTR 2321	Nutrition Through the Life Cycle	
NUTR 3340	Human Nutrition	
<b>Credits</b>		<b>50</b>

<b>Fourth Year</b>		
<b>Any Quarter</b>		
Select one Advanced Research Methods (ARMS) course of the following:		5
PSY 4100	Advanced Research Methods: Social Psychology	
PSY 4101	Advanced Research Methods: Animal Behavior	
PSY 4102	Advanced Research Methods: Cognitive Psychology	
PSY 4103	Advanced Research Methods: Cross-Cultural Psychology	
PSY 4104	Advanced Research Methods: Psychology and Christian Faith	
PSY 4105	Advanced Research Methods: Personality and Preferences	
PSY 4106	Advanced Research Methods: Developmental Psychology	
PSY 4428	Advanced Statistical Analysis	5
PSY 4899	Senior Seminar in Psychology	3
PSY 4940 or PSY 4970	Internship in Psychology or Independent Research	1-5
<b>Credits</b>		<b>14-18</b>
<b>Total Credits</b>		<b>141-147</b>