

# PSYCHOLOGY: DATA ANALYTICS TRACK (BA)

## Program Description

The BA in Psychology is designed for students with a broad range of career and graduate school interests such as, but not limited to, clinical psychology, counseling psychology, marriage and family therapy, social work, school counseling, and industrial and organizational psychology.

Through coursework in statistics, research methods, data management, data visualization, and basic programming, students in the Data Analytics track gain an understanding not only of how to manage and analyze data but also how to use data to inform practice (e.g., consumer trends, mental health outcomes and planning). This track helps prepare students for positions such as analytics consultant, data analyst, statistician, and project manager or other business management positions.

## 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: Data Analytics Track (BA)

72 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
Select one 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 4107	Advanced Research Methods: Clinical Psychology	
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 and 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	
Section Credits Required		5
<b>Psychological Disorders</b>		
PSY 3360	Psychological Disorders	5
Section Credits Required		5
<b>Data Analytics Track</b>		
PSY 3448	Tests and Measurements in Psychology	5
or PSY 4428	Advanced Statistical Analysis	
CSC 1130	Beginning Programming	5
or CSC 1230	Problem Solving and Programming	
Select one of the following:		5
BUS 4622	Information and Database Systems	
BUS 4650	Data Analytics and Visualization	
PSY 4430	Data Analytics and Storytelling for Consumer and Social Sciences	

Section Credits Required	15
<b>Total Credits</b>	<b>72</b>

## 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

- Begin or resume your elementary foreign language, if competency requirement is not complete.
- Unless you are exempt, take 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.A. track: Animal Behavior, Clinical-Counseling Psychology, Cross-Cultural, Data Analytics, Developmental Psychology, Psychological Science, Social-Personality Psychology, Sports Psychology, or Community Psychology & Behavioral Health.
- 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 completing 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>		
UCOL 1000	University Colloquium	1
<b>Credits</b>		<b>1</b>
<b>Any Quarter</b>		
UFDN 1000	The Christian Faith	5
WRI 1000	Academic Inquiry and Writing Seminar	5
WRI 1100	Disciplinary Research and Writing Seminar	5
PSY 1180	General Psychology: Individual in Growth (must complete first)	5
PSY 1200	Psychology as Vocation	1
Any 2000-level PSY course		
<b>Credits</b>		<b>21</b>
<b>Second Year</b>		
<b>Any Quarter</b>		
UCOR 2000	The Emergence of the Modern Global System	5
UFDN 2000	Christian Scripture	5
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
Depending on track, select one of the following:		5
PSY 2200	Community Psychology	
PSY 2210	Health Psychology	

PSY 2220	Sports Psychology	
<b>Credits</b>		<b>30</b>
<b>Third Year</b>		
<b>Any Quarter</b>		
UCOR 3000	Faith, Philosophy, and Science	5
UFDN 3100	Christian Theology	5
PSY 3360	Psychological Disorders	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
<b>Credits</b>		<b>35</b>
<b>Fourth Year</b>		
<b>Any Quarter</b>		
Select one Advanced Research Methods course of the following:		5
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 4899	Senior Seminar in Psychology	3
PSY 4940	Internship in Psychology	1-5
PSY 4970	Independent Research	1-3
Select five credits in any PSY Elective		5
<b>Credits</b>		<b>15-21</b>
<b>Total Credits</b>		<b>102-108</b>