

## **BACHELOR OF SCIENCE IN PSYCHOLOGICAL SCIENCE**

The major in Psychological Science requires a minimum of 37 credit hours and leads to a Bachelor of Science degree. A minor or second major is required. The program is designed for students who are interested in a science – oriented degree that will prepare them for graduate study in psychology or a related field (e.g., medical school, pharmacy, physical therapy) or for employment in jobs where strong quantitative and research skills are required.

Students may choose from one of six thematic concentrations or they may design a customized concentration that best fits their interests (subject to approval by their advisor). Students must maintain a minimum 2.50 GPA both overall and in the major. Either (1) MATH 116 and MATH 117, or (2) MATH 118 or higher is required; MATH 183 is recommended.

### **THEMATIC CONCENTRATIONS**

(See following pages for details)

#### **Applied Psychological Science**

This concentration uses psychological science to solve real-world problems and enhance performance in business, sports, or human engineering.

#### **Biobehavioral Psychology**

This concentration emphasizes the scientific study of the neural and brain mechanisms that enable mind, consciousness, and behavior.

#### **Clinical Psychological Science**

This concentration focuses on mechanisms and causes of psychological health and dysfunction.

#### **Cognitive Psychology**

This concentration emphasizes the scientific study of mental processes such as attention, perception, memory, problem-solving, thinking, and language.

#### **Developmental Science**

This concentration addresses the physical, emotional, intellectual, social, perceptual, and personality growth of humans throughout the lifespan.

#### **Social Psychology**

This concentration emphasizes the study of how social situations affect behavior.

#### **Custom Concentration**

This concentration provides a flexible format for students to design their own concentration in consultation with their advisor,

### **Concentration in Applied Psychological Science**

This concentration uses psychological science to solve real-world problems and enhance performance in business, sports, or human engineering.

#### **Foundations of Psychology (required)**

##### **Survey of the Discipline 3 hours**

PSYS 100 Introductory Psychology

##### **Developmental Processes 3 hours**

PSYS 220 Introduction to Lifespan Developmental Psychology

##### **Learning and Cognition 3 hours**

PSYS 333 Cognitive Psychology

##### **Individual Differences and Social Processes 3 hours**

PSYS 350 – Social Psychology

##### **Biological Bases of Behavior and Mental Processes 3 hours (choose one)**

PSYS 363 Sensory and Perceptual Systems

PSYS 360 Behavioral Neuroscience

#### **Research Methods and Statistics (required)**

PSYS 210 Research Methods in Psychology

PSYS 211 Research Methods in Psychology Laboratory

PSYS 313 Statistics in Psychology

#### **Capstone 3 hours (choose one)**

PSYS 481 History of Psychology

PSYS 490 Research, Readings, or Special Projects in Psychology

#### **Concentration Courses 12 hours**

##### **Required:**

PSYS 413 Psychological Measurement

##### **Electives (choose 9 hours):**

PSYS 290 Supervised Study in Psychology

PSYS 360 Behavioral Neuroscience

PSYS 363 Sensory and Perceptual Systems

PSYS 370 Industrial-Organizational Psychology

PSYS 433 Judgment & Decision Making

PSYS 473 Training in Business and Industry

PSYS 481 History of Psychology

PSYS 490 Research, Readings, or Special Projects in Psychology

PSYS 499 Senior Seminar in Psychology (category-related topic)

PSY 340 Sport Psychology

PSY 355 Issues in Cross-Cultural Psychology

PSY 412 Motivation and Emotion

PSY 470 Psychology and Law

### **Concentration in Biobehavioral Psychology**

This concentration emphasizes the scientific study of the neural and brain mechanisms that enable mind, consciousness, and behavior.

#### **Foundations of Psychology (required)**

##### **Survey of the Discipline 3 hours**

PSYS 100 Introductory Psychology

##### **Developmental Processes 3 hours**

PSYS 220 Introduction to Lifespan Developmental Psychology

##### **Learning and Cognition 3 hours**

PSYS 331 Psychology of Learning

##### **Individual Differences and Social Processes 3 hours (choose one)**

PSYS 350 – Social Psychology

PSYS 440 – Abnormal Psychology

##### **Biological Bases of Behavior and Mental Processes 3 hours**

PSYS 360 Behavioral Neuroscience

#### **Research Methods and Statistics (required)**

PSYS 210 Research Methods in Psychology

PSYS 211 Research Methods in Psychology Laboratory

PSYS 313 Statistics in Psychology

#### **Capstone 3 hours (choose one)**

PSYS 481 History of Psychology

PSYS 490 Research, Readings, or Special Projects in Psychology

#### **Concentration Courses 12 hours**

##### **Required:**

PSYS 363 Sensory and Perceptual Systems

##### **Electives (choose 9 hours):**

PSYS 290 Supervised Study in Psychology

PSYS 333 Cognitive Psychology

PSYS 431 Psychology of Language

PSYS 462 Neuroscience of Learning and Memory

PSYS 463 Evolutionary Psychology

PSYS 465 Psychopharmacology

PSYS 481 History of Psychology

PSYS 482 Psychology of Sexuality

PSYS 490 Research, Readings, or Special Projects in Psychology

PSYS 499 Senior Seminar in Psychology (category-related topic)

### **Concentration in Clinical Psychological Science**

This concentration focuses on mechanisms and causes of psychological health and dysfunction.

#### **Foundations of Psychology (required)**

##### **Survey of the Discipline 3 hours**

PSYS 100 Introductory Psychology

##### **Developmental Processes 3 hours**

PSYS 220 Introduction to Lifespan Developmental Psychology

##### **Learning and Cognition 3 hours (choose one)**

PSYS 333 Cognitive Psychology

PSYS 331 Psychology of Learning

##### **Individual Differences and Social Processes 3 hours**

PSYS 440 Abnormal Psychology

##### **Biological Bases of Behavior and Mental Processes 3 hours (choose one)**

PSYS 363 Sensory and Perceptual Systems

PSYS 360 Behavioral Neuroscience

#### **Research Methods and Statistics (required)**

PSYS 210 Research Methods in Psychology

PSYS 211 Research Methods in Psychology Laboratory

PSYS 313 Statistics in Psychology

#### **Capstone 3 hours (choose one)**

PSYS 481 History of Psychology

PSYS 490 Research, Readings, or Special Projects in Psychology

#### **Concentration Courses (choose 12 hours)**

PSYS 290 Supervised Study in Psychology

PSYS 350 Social Psychology

PSYS 360 Behavioral Neuroscience

PSYS 413 Psychological Measurement

PSYS 450 Psychology of Personality

PSYS 451 Psychology of Religion

PSYS 453 Psychology of Women

PSYS 462 Neuroscience of Learning and Memory

PSYS 465 Psychopharmacology

PSYS 482 Psychology of Sexuality

PSYS 481 History of Psychology

PSYS 490 Research, Readings, or Special Projects in Psychology

PSYS 499 Senior Seminar in Psychology (category-related topic)

PSY 443 Behavior Modification

### **Concentration in Cognitive Psychology**

This concentration emphasizes the scientific study of mental processes such as attention, perception, memory, problem-solving, thinking, and language.

#### **Foundations of Psychology (required)**

##### **Survey of the Discipline 3 hours**

PSYS 100 Introductory Psychology

##### **Developmental Processes 3 hours**

PSYS 220 Introduction to Lifespan Developmental Psychology

##### **Learning and Cognition 3 hours**

PSYS 333 Cognitive Psychology

##### **Individual Differences and Social Processes 3 hours (choose one)**

PSYS 350 – Social Psychology

PSYS 440 – Abnormal Psychology

##### **Biological Bases of Behavior and Mental Processes 3 hours (choose one)**

PSYS 363 Sensory and Perceptual Systems

PSYS 360 Behavioral Neuroscience

#### **Research Methods and Statistics (required)**

PSYS 210 Research Methods in Psychology

PSYS 211 Research Methods in Psychology Laboratory

PSYS 313 Statistics in Psychology

#### **Capstone 3 hours (choose one)**

PSYS 481 History of Psychology

PSYS 490 Research, Readings, or Special Projects in Psychology

#### **Concentration Courses (choose 12 hours)**

PSYS 290 Supervised Study in Psychology

PSYS 331 Psychology of Learning

PSYS 363 Sensory and Perceptual Systems

PSYS 423 Psychology of Adult Life and Aging

PSYS 431 Psychology of Language

PSYS 433 Judgment & Decision Making

PSYS 462 Neuroscience of Learning and Memory

PSYS 481 History of Psychology

PSYS 490 Research, Readings, or Special Projects in Psychology

PSYS 499 Senior Seminar in Psychology (category-related topic)

PSY 412 Psychology of Motivation and Emotion

### **Concentration in Developmental Science**

This concentration addresses the physical, emotional, intellectual, social, perceptual, and personality growth of humans throughout the lifespan.

#### **Foundations of Psychology**

##### **Survey of the Discipline 3 hours**

PSYS 100 Introductory Psychology

##### **Developmental Processes 3 hours**

PSYS 220 Introduction to Lifespan Developmental Psychology

##### **Learning and Cognition 3 hours (choose one)**

PSYS 333 Cognitive Psychology

PSYS 331 Psychology of Learning

##### **Individual Differences and Social Processes 3 hours (choose one)**

PSYS 350 – Social Psychology

PSYS 440 – Abnormal Psychology

##### **Biological Bases of Behavior and Mental Processes 3 hours (choose one)**

PSYS 363 Sensory and Perceptual Systems

PSYS 360 Behavioral Neuroscience

#### **Research Methods and Statistics (required)**

PSYS 210 Research Methods in Psychology

PSYS 211 Research Methods in Psychology Laboratory

PSYS 313 Statistics in Psychology

#### **Capstone 3 hours (choose one)**

PSYS 481 History of Psychology

PSYS 490 Research, Readings, or Special Projects in Psychology

#### **Concentration Courses (choose 12 hours)**

PSYS 290 Supervised Study in Psychology

PSYS 321 Child Developmental Psychology

PSYS 423 Psychology of Adult Life and Aging

PSYS 424 Topics in Developmental Psychology (may be repeated when topic changes)

PSYS 431 Psychology of Language

PSYS 482 Psychology of Sexuality

PSYS 481 History of Psychology

PSYS 490 Research, Readings, or Special Projects in Psychology

PSYS 499 Senior Seminar in Psychology(category-related topic)

PSY 422 Adolescent Psychology

### **Concentration in Social Psychology**

This concentration emphasizes the study of how social situations affect behavior.

#### **Foundations of Psychology**

##### **Survey of the Discipline 3 hours**

PSYS 100 Introductory Psychology

##### **Developmental Processes 3 hours**

PSYS 220 Introduction to Lifespan Developmental Psychology

##### **Learning and Cognition 3 hours (choose one)**

PSYS 333 Cognitive Psychology

PSYS 331 Psychology of Learning

##### **Individual Differences and Social Processes 3 hours**

PSYS 350 Social Psychology

##### **Biological Bases of Behavior and Mental Processes 3 hours (choose one)**

PSYS 363 Sensory and Perceptual Systems

PSYS 360 Behavioral Neuroscience

#### **Research Methods and Statistics (required)**

PSYS 210 Research Methods in Psychology

PSYS 211 Research Methods in Psychology Laboratory

PSYS 313 Statistics in Psychology

#### **Capstone 3 hours (choose one)**

PSYS 481 History of Psychology

PSYS 490 Research, Readings, or Special Projects in Psychology

#### **Concentration Courses 12 hours**

##### **Required:**

PSYS 413 Psychological Measurement

##### **Electives (choose 9 hours):**

PSYS 290 Supervised Study in Psychology

PSYS 433 Psychology of Judgment and Decision Making

PSYS 440 Abnormal Psychology

PSYS 450 Personality Psychology

PSYS 451 Psychology of Religion

PSYS 453 Psychology of Women

PSYS 482 Psychology of Sexuality

PSYS 481 History of Psychology

PSYS 490 Research, Readings, or Special Projects in Psychology

PSYS 499 Senior Seminar in Psychology (category-related topic);

PSY 412 Motivation and Emotion

### **Custom Concentration**

This concentration provides a flexible format for students to design their own concentration in consultation with their advisor,

#### **Foundations of Psychology (required)**

##### **Survey of the Discipline 3 hours**

PSYS 100 Introductory Psychology

##### **Developmental Processes 3 hours**

PSYS 220 Introduction to Lifespan Developmental Psychology

##### **Learning and Cognition 3 hours (choose one)**

PSYS 333 Cognitive Psychology

PSYS 331 Psychology of Learning

##### **Individual Differences and Social Processes 3 hours (choose one)**

PSYS 350 – Social Psychology

PSYS 440 – Abnormal Psychology

##### **Biological Bases of Behavior and Mental Processes 3 hours (choose one)**

PSYS 363 Sensory and Perceptual Systems

PSYS 360 Behavioral Neuroscience

#### **Research Methods and Statistics (required)**

PSYS 210 Research Methods in Psychology

PSYS 211 Research Methods in Psychology Laboratory

PSYS 313 Statistics in Psychology

#### **Capstone 3 hours (choose one)**

PSYS 481 History of Psychology

PSYS 490 Research, Readings, or Special Projects in Psychology

#### **Concentration Courses 12 hours**

Students who choose to design a custom concentration will select 12 hours from courses not used to satisfy their Foundations of Psychology requirement or from concentration courses in any of the other thematic concentrations.



**Courses for B.S. in Psychological Science**

	NEW	OLD		Course applies to:
PSY/PSYS	100	100	INTRO PSY	Core
PSY/PSYS	210	210	RESEARCH METHODS	Core
PSY/PSYS	211	211	RESEARCH METHODS LAB	Core
PSY/PSYS	220	199	INTRO DEVELOPMENT PSY	Foundation
PSY/PSYS	290	290	SUPERVISED STUDY	All concentrations
PSY/PSYS	313	301	STATISTICS/PSY	Core
PSYS	321	321	CHILD DEVELOPMENTAL PSY	DVS
PSY/PSYS	331	410	PSY OF LEARNING	Foundation, CGP
PSYS	333	405	COGNITIVE PSY	Foundation, BBP
PSY	340	340	SPORT PSY	APS
PSY/PSYS	350	350	SOCIAL PSYCHOLOGY	Foundation, CPS
PSY	355	355	ISSUES CROSS-CULTURAL PSY	APS
PSYS	360	480	BEHAVIORAL NEUROSCIENCE	Foundation, APS, BBP, CPS
PSYS	363	411	SENS/PERCEP	Foundation, APS, BBP, CGP
PSY	412	412	MOTIVATION AND EMOTION	APS, CGP, SOP
PSYS	370	370	I/O PSYCHOLOGY	APS
PSYS	413	361	PSY MEASUREMENT	APS, CPS, SOP
PSY	422	422	ADOLESCENT PSY	DVS
PSYS	423	423	PSY ADULT/AGING	CGP, DVS
PSYS	424	424	DEVELOP SEMINAR	DVS
PSYS	431	407	PSYCHOLOGY OF LANGUAGE	BBP, CGP, DVS
PSYS	433		JUDGMENT AND DECISION MAKING	APS, CGP, SOP
PSY/PSYS	440	440	ABNORMAL PSY	Foundation, SOP
PSY	443	443	BEHAVIOR MODIFICATION	CPS
PSYS	450	450	PERSONALITY	CPS, SOP
PSYS	451	485	PSYCHOLOGY OF RELIGION	CPS, SOP
PSYS	453	430	PSYCH OF WOMEN	CPS, SOP
PSYS	462		NEUROSCIENCE LEARNING MEMORY	BBP, CPS, CGP
PSYS	463	483	EVOLUTIONARY PSYCHOLOGY	BBP
PSYS	465		PSYCHOPHARMACOLOGY	BBP, CPS
PSY	470	470	PSYCHOLOGY AND LAW	APS
PSYS	473	473	TRAINING BUSINESS INDUSTRY	APS
PSY/PSYS	481	495	HIST OF PSY	Capstone, All
PSYS	482	345	PSYCHOLOGY OF SEXUALITY	BBP, CPS, DVS, SOP
PSY/PSYS	490	490	READINGS/RESEARCH	Capstone, All
PSY/PSYS	499	499	SENIOR SEMINAR	All

APS Applied Psych. Science  
CGP Cognitive Psychology

BBP Biobehavioral Psychology  
DVS Developmental Science

CPS Clinical Psy Science  
SOP Social Psychology