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

<table>
<thead>
<tr>
<th>NEW</th>
<th>OLD</th>
<th>Course</th>
<th>Course applies to:</th>
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<tbody>
<tr>
<td>PSY/PSYS 100</td>
<td>100</td>
<td>INTRO PSY</td>
<td>Core</td>
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<tr>
<td>PSY/PSYS 210</td>
<td>210</td>
<td>RESEARCH METHODS</td>
<td>Core</td>
</tr>
<tr>
<td>PSY/PSYS 211</td>
<td>211</td>
<td>RESEARCH METHODS LAB</td>
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<td>INTRO DEVELOPMENT PSY</td>
<td>Foundation</td>
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<td>SUPERVISED STUDY</td>
<td>All concentrations</td>
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<td>PSY/PSYS 313</td>
<td>301</td>
<td>STATISTICS/PSY</td>
<td>Core</td>
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<tr>
<td>PSY 321</td>
<td>321</td>
<td>CHILD DEVELOPMENTAL PSY</td>
<td>DVS</td>
</tr>
<tr>
<td>PSY/PSYS 331</td>
<td>410</td>
<td>PSY OF LEARNING</td>
<td>Foundation, CGP</td>
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<td>PSYS 333</td>
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<td>COGNITIVE PSY</td>
<td>Foundation, BBP</td>
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<td>PSY 340</td>
<td>340</td>
<td>SPORT PSY</td>
<td>APS</td>
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<tr>
<td>PSY/PSYS 350</td>
<td>350</td>
<td>SOCIAL PSYCHOLOGY</td>
<td>Foundation, CPS</td>
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<td>PSY 355</td>
<td>355</td>
<td>ISSUES CROSS-CULTURAL PSY</td>
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<td>BEHAVIORAL NEUROSCIENCE</td>
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<td>PSYS 363</td>
<td>411</td>
<td>SENS/PERCEP</td>
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<td>370</td>
<td>I/O PSYCHOLOGY</td>
<td>APS</td>
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<tr>
<td>PSYS 380</td>
<td>413</td>
<td>PSY MEASUREMENT</td>
<td>APS, CPS, SOP</td>
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<tr>
<td>PSYS 422</td>
<td>422</td>
<td>ADOLESCENT PSY</td>
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<td>PSYS 423</td>
<td>423</td>
<td>PSY ADULT/AGING</td>
<td>CGP, DVS</td>
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<td>PSYS 424</td>
<td>424</td>
<td>DEVELOP SEMINAR</td>
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<td>PSYCHOLOGY OF LANGUAGE</td>
<td>APS, CGP, DVS</td>
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<td>PSYS 433</td>
<td>433</td>
<td>JUDGMENT AND DECISION MAKING</td>
<td>Foundation, SOP</td>
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<td>PSYS 440</td>
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<td>ABNORMAL PSY</td>
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<td>PERSONALITY</td>
<td>CPS, SOP</td>
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<tr>
<td>PSYS 451</td>
<td>485</td>
<td>PSYCHOLOGY OF RELIGION</td>
<td>CPS, SOP</td>
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<td>PSYS 453</td>
<td>430</td>
<td>PSYCH OF WOMEN</td>
<td>BBP, CPS, CGP</td>
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<tr>
<td>PSYS 462</td>
<td>463</td>
<td>NEUROSCIENCE LEARNING MEMORY</td>
<td>BBP</td>
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<td>483</td>
<td>EVOLUTIONARY PSYCHOLOGY</td>
<td>BBP, CPS</td>
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<td>PSYCHOPHARMACOLOGY</td>
<td>APS, CPS</td>
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<td>PSYCHOLOGY AND LAW</td>
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<td>TRAINING BUSINESS INDUSTRY</td>
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<td>HIST OF PSY</td>
<td>BBP, CPS, DVS, SOP</td>
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<td>PSYCHOLOGY OF SEXUALITY</td>
<td>Capstone, All</td>
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<tr>
<td>PSYS/PSYS 499</td>
<td>499</td>
<td>SENIOR SEMINAR</td>
<td>All</td>
</tr>
</tbody>
</table>

**Abbreviations:**
- APS: Applied Psych. Science
- BBP: Biobehavioral Psychology
- CGP: Cognitive Psychology
- DVS: Developmental Science
- SOP: Social Psychology