

## Experimental Psychology Major

For broad exposure to many disciplines within psychology, courses in the major emphasize empirical testing of theoretical psychological models. The broad Psychology major is especially recommended for those students who wish to double major in psychology and another field or for those who are not interested in the clinical/counseling concentration or the behavioral neuroscience concentration.

*A. Two-semester introductory sequence in the natural sciences:* Take **one** of the following sequences:

- BIO 111 and 112 - General Biology
- CHE 120 and 140 – Chemical Principles of Organic Molecules AND Reactions of Organic Molecules
- PHY 111 and 112 - General Physics

*B. The Psychology Core:* All of the following psychology courses are required:

PSY 111 and 112 - General Psychology  
 PSY 209 – Statistics and Research Design I  
 PSY 309 – Statistics and Research Design II  
 PSY 399 – Junior Seminar  
 PSY SCE – Psychology Senior Capstone Experience

*C. Laboratory Requirement:* Majors must complete **five** of the following courses. Three of these must be laboratory courses (+ indicates a laboratory course), and there must be at least one course from each of the three disciplinary areas:

### Experimental

PSY 202 – Lifespan Development  
 PSY 220 – Human Sexuality  
 PSY 221 – Social Psychology  
 PSY 231 – Personality  
 PSY 302 – Advanced Developmental Psychology +  
 PSY 316 – Cognitive Neuroscience +  
 PSY 321 – Experimental Social Psychology +

### Applied/Clinical

PSY 233 – Psychopathology I  
 PSY 234 – Psychopathology II  
 PSY 304 – Theories & Processes of Counseling  
 PSY 313 – Learning & Applied Behavioral Analysis +  
 PSY 320 – Health Psychology +  
 PSY 333 – Psychological Testing  
 PSY 433 – Child Assessment +

### Biological

PSY 205 – Drugs and Behavior  
 PSY 210 – Biopsychology +  
 PSY 305 – Psychopharmacology +  
 PSY 317 – Sensation and Perception +  
 PSY 319 – Comparative Psychology +  
 PSY 410 – Neurosci. Research Methods +

## Psychology Major with a Concentration in Behavioral Neuroscience

The concentration in behavioral neuroscience is designed for students with a focused interest in the biological bases of behavior and thought. The concentration is well suited for students that are contemplating professional or research careers in medicine, pharmaceuticals, veterinarian medicine, animal science, neurology and neuroscience. Because BN concentrators have additional laboratory requirements beyond other Psychology majors, students in the BN track earn a Bachelors of Science (BS).

**A. Psychology Majors in the BN Concentration** are required to complete all of the following two-semester sequences in the natural sciences:

- BIO 111 and 112 - General Biology
- CHE 120 Chemical Principles of Organic Molecules and 140 - Reactions of Organic Molecules

**B. The Psychology Core:** All the following psychology courses are required:

- PSY 111 and 112 - General Psychology
- PSY 209 - Statistics & Research Design I
- PSY 309 - Statistics & Research Design II
- PSY 399 - Junior Seminar
- PSY SCE – Psychology Senior Capstone Experience  
(SCE topic must be pre-approved by the BN concentration advisor)

**C. The Behavioral Neuroscience Core:** The following laboratory courses are required:

- PSY 210 - Biopsychology Psychology
- PSY 410 - Neuroscience Research Methods

**D. Additional Laboratory Courses:** **Three** of the following courses are required with at least one from D1 and one from D2

### **GROUP D1**

- PSY 305 - Psychopharmacology
- PSY 313 – Learning & Applied Behavior Analysis (ABA)
- PSY 319 - Comparative Psychology
- With the advanced approval of the BN advisor, one of the following can be chosen: on-campus or off-campus research; Advanced Problems (PSY440); or one upper-level laboratory course in Biology, Chemistry, or Physics. If choosing this option, one additional course must also be chosen from D1.

### **GROUP D2**

- PSY 316 - Cognitive Neuroscience
- PSY 317 - Sensation & Perception
- PSY 320 - Health Psychology

**E. Fundamental Psychology:** **One** (1) of the following courses is required:

- PSY 202 - Lifespan Developmental
- PSY 221 - Social Psychology
- PSY 233 or 234 – Psychopathology I or II
- PSY 333 - Psychological Testing

**NOTE:** Students in the BN concentration are encouraged to take additional 300 and 400-level PSY courses, as well as other upper-level BIO and CHE courses. Those students planning to apply to graduate neuroscience programs, medical, or veterinary schools should also take MAT 201, MAT 202, PHY 111, PHY 112, CHE 220, CHE 309/BIO 409. Such students should consult with the Pre-med advisor and the behavioral neuroscience advisor.

## Psychology Major with a Concentration in Clinical/Counseling (CC)

This concentration is designed to prepare students interested in the helping professions and human services. Coursework provides students with a foundation for graduate work in counseling, school psychology, clinical psychology, and the allied health fields. Students are also prepared for entry-level positions in human resources, management, child care or school settings as well as work as clinical/counseling assistants or research assistants.

**A. Two-semester introductory sequence in the natural sciences:** Take **one** of the following sequences:

- BIO 111 and 112 - General Biology
- CHE 120 and 140 – Chemistry
- PHY 111 and 112 - General Physics

**B. The Psychology Core:** All of the following psychology courses are required:

- PSY 111 and 112 - General Psychology
- PSY 209 - Statistics and Research Design I
- PSY 309 – Statistics and Research Design II
- PSY 399 – Junior Seminar
- PSY SCE – Psychology Senior Capstone Experience  
(SCE topic must be pre-approved by a CC advisor to cover diagnosis and/or treatment)

**C. Counseling/Clinical Core - Four (4) of the following courses are required:**

- Lifespan Developmental (PSY 202)
- Personality (PSY 231)
- Psychopathology I (PSY 233)
- Psychopathology II (PSY 234)
- Theories and Processes of Counseling (PSY 304)
- Psychological Testing (PSY 333)
- 4 credits of Special Topics in Clinical, Counseling, or Community Psychology (PSY 294, 394, 494)
- Psychology Internship (PSY 490, 491)

**D. Counseling/Clinical Lab Courses-** Choose **two** of the following, only one of which can be Advanced Developmental Psychology or Experimental Social Psychology:

- Advanced Developmental Psychology with lab (PSY 302)
- Experimental Social Psychology with lab (PSY 321)
- Learning and Applied Behavior Analysis with lab (PSY 313)
- Health Psychology with lab (PSY 320)
- NRM: Human Neuropsychology with lab (PSY 410)
- Child Assessment with lab (PSY 433)
- Advanced Problems (PSY 440); with prior approval of the Counseling/Clinical Faculty

*FOR DUAL CC and BN CONCENTRATORS:* Only one of the courses above may be applied toward the requirements for both concentrations.

**E. Biological Courses-** Choose **one** of the following:

- Drugs and Behavior (PSY 205)
- Biopsychology with lab (PSY 210)
- Psychopharmacology with lab (PSY 305)
- Sensation & Perception with lab (PSY 317)

Discuss areas of potential interest with your academic advisor. Consider a double major or a minor in Biology, Business Management, Human Development, Public Health, or Sociology.