# 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***. *Natural Sciences:* **All** of the following two-semester sequences in the natural sciences are required:

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 cover neurological mechanisms governing behavior)

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

PSY 210 - Biopsychology

PSY 410 - Neuroscience Research Methods

***D.*** *Additional Laboratory Courses:* **Three** of the following courses are required.

PSY 305 - Psychopharmacology

PSY 313 - Learning & Applied Behavior Analysis (ABA)

PSY 316 - Cognitive Neuroscience

PSY 317 - Sensation & Perception

With the advanced approval of the BN advisor, one of the following can be chosen: an approved Special Topics course, on-campus or off-campus research; Advanced Problems (PSY440); or one upper-level laboratory course in Biology, Chemistry, of Physics.

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

PSY 202 - Lifespan Development

PSY 221 - Social Psychology

PSY 233 - Traditional Psychiatric Disorders

PSY 234 - Medical and Developmental Disorders

PSY 320 - Health Psychology w/ Lab

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.