

College of Arts & Sciences (Undergraduate)

Log Number: 201801-6 **Psychology – Undergraduate**

Add a new degree-major program
Bachelor of Science – Behavioral Neuroscience Major

Major: Behavioral Neuroscience

Degree: Bachelor of Science

Total hours required: 120

Prerequisites (23 credits)

Requires grades of C or better.

- PSY 2012 Introduction to Psychology (3 Credits)
- BSC1010C General Biology I (4 Credits)
- BSC1011C General Biology II (4 Credits)
- CHM 2045 General Chemistry I (3 credits)
- CHM 2045L General Chemistry I Lab (1 credit)
- CHM 2046 General Chemistry II (3 credits)
- CHM 2046L General Chemistry II Lab (1 credit)
- CHM 2210 Organic Chemistry I (3 credits)
- CHM 2210L Organic Chemistry I Lab (1 credit)

Core Requirements (11 credits)

Must complete PSY 3213 and PSY 3213L with grades of B or better. All other courses require a grade of C or better.

- STA 2014 Elementary Statistics for Health and Social Sciences (3 credits)
 - Prereq: MAC 1105 or MAC 1147
- PSY 3213 Research Methods in Psychology (3 credits)
 - Prereq: STA 2014
- PSY 3213L Research Methods Lab (1 credit)
 - Prereq: STA 2014, PSY 3213 (or co-requisite)
- BSC 2012C General Biology III (4 credits)
 - Prereq: BSC 1010C, BSC 1011C

Major Requirements (20 credits)

Requires grades of C or better. Courses must be taken in prerequisite order. Please check the catalog course description section for prerequisites required for each course prior to registering. If one course is a prerequisite for another, the two may not be taken together.

- PSB 3002 Behavioral Neuroscience (3 credits)
 - Prereq: BSC 1010C
- EXP 3104 Human Sensory Perception (3 credits)
 - Prereq: PSY 2012
- PSB 4XXX Contemporary Topics in Behavioral Neuroscience (3 credits)
 - Prereq: PSB 3002
- PCB 3023C Molecular and Cell Biology (4 credits)
 - Prereq: BSC 2012C, CHM 2045/L, CHM 2046/L, CHM 2210/L
- BCH 4024 Molecular Biology and Biochemistry (3 credits)
 - Prereq: PCB3023C
- BCH 4024L Molecular Biology and Biochemistry Lab (1 credits)
 - Prereq: PCB3023C
- PCB 4843 Cellular and Molecular Neuroscience (3 credits)
 - Prereq: PCB3023C

Experimental Courses (8 credits)

PSY 3213 and PSY 3213L must be completed with a grade of B or better before attempting the experimental courses. Additional lab courses taken may count toward the elective requirement.

CHOOSE TWO:

- EAB 3013C Foundations of Experimental Analysis of Behavior Lab (4 credits)
 - Prereq: EXP3412
- EXP 3680C Experimental Cognitive Psychology (4 credits)
 - Prereq: EXP3604
- EXP 4252C Human Factors and Ergonomics (4 credits)
 - Prereq: EXP3604
- EXP 3461C Human Learning and Performance (4 credits)
 - Prereq: EXP3412
- SOP 3214C Experimental Social Psychology (4 credits)
 - Prereq: SOP3004
- PSY 4302C Psychological Testing (4 credits)
 - Prereq: CLP4143 or DEP3054 or PPE4003

- MCB 4021C Molecular Biology Techniques (4 credits)
 - Prereq: PCB 3023C
- PCB 4713C Physiology (4 credits)
 - Prereq: PCB 3023C, MAC 1147 or MAC 1105 and MAC 1114, PHY 2053, PHY 2054/L

Major Electives (12 credits)

Major electives require a grade of C or better. Select courses in at least two of the following three disciplines:

PSYCHOLOGY:

- CBH 3004 Comparative Psychology (3 credits)
 - Prereq: PSY 2012
- CLP 4143 Psychology of Abnormal Behavior (3 credits)
 - Prereq: PSY 2012
- CLP 4134 Childhood Psychopathology (3 credits)
 - Prereq: PSY 2012, CLP 4143
- CLP 4313 Health Psychology (3 credits)
- DEP 3054 Lifespan Developmental Psychology (3 credits)
 - Prereq: PSY 2012
- EAB 4703 Behavior Modification (3 credits)
 - Prereq: PSY 2012, EXP 3412
- EXP 3412 Learning Theory (3 credits)
 - Prereq: PSY 2012
- EXP 3604 Cognitive Psychology (3 credits)
 - Prereq: PSY 2012
- PSB 4113 Principles of Biofeedback (3 credits)
- PPE 4003 Theories of Personality (3 credits)
 - Prereq: PSY 2012
- PSY 3810 Evolutionary Psychology (3 credits)
- SOP 3004 Social Psychology (3 credits)
- PSY 3911 Supervised Research (variable credits)
- PSY 4904 Honors Research (variable credits)
- PSY 4906 Directed Individual Study (variable credits)
- PSY 4945 Practicum in Applied Psychology (variable credits)

BIOLOGY:

- PCB 3063C Genetics (4 credits)
 - Prereq: BSC 1010C, BSC 1011C, BSC 2012C, CHM 2045, CHM 2045L, CHM 2046, CHM 2046L, CHM 2210
- PCB 4233 Immunology (3 credits)

- Prereq: BSC 1010C, BSC 1011C, BSC 2012C, CHM 2045, CHM 2045L, CHM 2046, CHM 2046L, CHM 2210, CHM 2210L, PCB 3023C
- PCB 4805 Endocrinology (3 credits)
 - Prereq: BSC 1010C, BSC 1011C, BSC 2012C, CHM 2045, CHM 2045L, CHM 2046, CHM 2046L, CHM 2210, CHM 2210L, PCB 3023C
- ZOO 4513 Animal Behavior (3 credits)
 - Prereq: BSC 1010C, BSC 1011C, BSC 2012C

PHILOSOPHY:

- PHI 3320 Philosophy of mind (3 credits)
 - Prereq: one course in Philosophy other than Foreign Culture
- PHI 3400 The Philosophy of Science (3 credits)
 - Prereq: one course in Philosophy other than Foreign Culture
- PHI 3500 Introduction to Metaphysics (3 credits)
- PHI 3601 Bioethics (3 credits)

Free Electives (9 credits)

ELECTIVES 3000/4000 LEVEL

This degree requires a minimum of 120 total hours with 48 upper (3000/4000) level hours. Free electives may be courses in any discipline (provided the required prerequisites are met) and they are the hours needed to satisfy the total hour requirement. These hours may vary (consult your advisor about free elective hours needed to graduate).