# NEUROSCIENCE & BEHAVIOR MAJOR (2016-2017)

**FOUNDATIONS OF WRITTEN COMMUNICATION**
(6 credit hours required – Writing Across the Curriculum - WAC)
Grade of “C” or higher is required in each course
--- ENC 1101 ....... College Writing I *(Required)*
--- ENC 1102 ....... College Writing II +

**THE FOLLOWING COURSES BELOW MAY BE SUBSTITUTED FOR ENC 1102:**
--- ENC 1930+ ...... University Honors Seminar in Writing *(Permit Only)*
--- ENC 1939+ ...... Special Topic: College Writing
--- ENC 2452+ ...... Honors Composition for Science

**Anthropology Department**
--- ANT 1471+ ....... Cultural Difference in a Globalized Society

**History Department**
--- HIS 2050+ ...... Writing History

**Nursing Department (Departmental Permission Required)**
--- NSP 1195+ ..... Being Cared For: Reflections from Other Side of Bed

--- ENC 1939+ ..... Special Topic: College Writing
--- ENC 1930+ ..... University Honors Seminar in Writing

--- ENC 1102 ...... College Writing II

--- ENC 1101 ...... College Writing I

--- ENC 2452+ ...... Honors Composition for Science

--- ENC 1930+ ..... University Honors Seminar in Writing *(Permit Only)*

--- ENC 1939+ ...... Special Topic: College Writing

--- ENC 2452+ ...... Honors Composition for Science

**Foundations of Science & The Natural World**
(6 credit hours required - One of the courses must have a lab)
Student must take 2 of the following courses; 1 must be from group A.
The second course may be from group A or group B.

--- For Non-Science Majors------
**Group A**
--- Biology Department
--- BSC 1005 & L
--- Life Science (3 cr. incl. Lab)
--- BSC 2085 & L
--- Anatomy & Physiology I
--- (4 cr. Incl. Lab) *

--- Chemistry Department
--- CHM 1020C
--- Contemporary Chemical Issues

--- Geosciences Department
--- ESC 2000 Blue Planet *(online)*
--- EVR 1001
--- Env. Science and Sustainability

--- Physics Department
--- AST 2002
--- Intro. to Astronomy *(P/F)*

--- For Science Majors---------
**Group A**
--- Biology Department *(Required)*
--- BSC 1010 & L & D
--- Biological Principles
--- (4 cr. Incl. Lab & Dis)

--- Chemistry Department *(Required)*
--- CHM 2045 & L
--- General Chemistry I
--- (4 cr. Incl. Lab) *

--- Physics Department
--- PHY 2048 & L
--- General Physics 1
--- (5 credits incl. Lab) **
--- PHY 2053
--- College Physics 1 (4 credits)

--- For Non-Science Majors------
**Group B**
--- Biology Department
--- ANH 2000
--- United States History Since 1877 *(P/F)*

--- Anthropology Department
--- ANT 2511 & L
--- Intro to Biological Anthropology *(4 cr. Incl. Lab)*

--- Chemistry Department
--- CHM 2032 & L
--- Chem. for Health Sciences
--- (4 credits including Lab)
--- CHM 2083
--- Chemistry in Modern Life *(P/F)*

--- Engineering Dean Department
--- ETG 2831
--- Nature: Inter. of Sci., Eng., & the Humanities

--- Geosciences Department
--- GY 2010C
--- Physical Geol. (4 cr. incl. Lab)
--- GY 2100
--- History of Earth and Life
--- MET 2010 & D
--- Weather and Climate

--- Physics Department
--- PSC 2121 ...... Physical Science

--- For Science Majors---------
**Group B**
--- Biology Department *(Required)*
--- BSC 1011 & L & D
--- Biodiversity (4 cr. incl Lab & Dis)

--- History Department
--- AMH 2020 ...... United States History Since 1877 *(P/F)*

--- Anthropology Department
--- ANT 2000 & D. Introduction to Anthropology

--- Economics Department
--- ECO 2013 ...... Macroeconomic Principles §

--- Political Science Department
--- POS 2041 ...... Government of the United States

--- Psychology Department
--- PSY 1012 ......... Introduction to Psychology *(Required)*

--- Sociology Department
--- SYG 1000 ...... Sociological Perspectives *(strongly recommended)*

--- Geosciences Department
--- EVR 2017 ...... Environment and Society

--- Public Administration Department
--- PAD 2258....... Changing Environment of Soc., Bus., & Gov’t

--- Sociology Department
--- SYD 2790 ..... Race, Class, Gender, and Sexuality
--- SYG 2010 ...... Social Problems

--- Urban & Regional Planning Department
--- URP 2051 ...... Designing the City
STUDENTS ASSUME RESPONSIBILITY FOR MEETING ALL GRADUATION REQUIREMENTS

Course selections should be made in consultation with an academic advisor.

§ Writing Across the Curriculum (WAC)/Gordon Rule
Students must attain grades of “C” or higher. 12 credits of writing (WAC) and 6 credits of mathematics are required.

Please note:
Students must take four (4) WAC courses. Two (2) courses are to be taken from Foundations of Written Communication. We strongly recommend the two additional WAC courses come from these courses: PHI 2010, WOH 2012, LIT 2010, LIT 2030, LIT 2040 and LIT 2070. See advisor for additional details.

(D) = Discussion, (L) = Lab
Courses indicating a (D) or (L) are linked with a lecture, a lab, and/or a discussion. If you select one of these courses, you must register for the lecture, lab, and/or discussion. You must attend the lecture, lab, and/or discussion.

Elective Credits
The number of elective credits allowed varies by major. Please consult with an academic advisor to determine the number of elective credits required for your major. Certain majors do not allow any electives.

Legend
+
- ENC 1101 is a prerequisite.
++
- Two Foundations of Written Communications classes are required before taking this course.
§
- Sophomore standing (30 credits earned) is a requirement to take this course.
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- Nursing majors are required to take this course in their first semester.
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- MAC 2311 is a prerequisite for this course. If a lab is needed, then take General Physics 1 Lab (PHY 2048 Lab).
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- MAC 1105 and MAC 1114 are prerequisites for this course. If a lab is needed, then take General Physics 1 Lab (PHY 2048 Lab).
‡
- Co-requisite of College Algebra (MAC 1105) or a prerequisite of Introductory Chemistry (CHM 1025).
WAC - (WAC) Writing across the curriculum course.

P/F
Certain designated undergraduate courses may be taken for a letter grade of pass (P) or fail (F). Students must indicate the grade option preferred when registering; otherwise, a letter grade will be given. The maximum credit available to any student on the P/F option is one course per term with a maximum of 12 credits during a student’s entire course of study. This option is not available for courses in the student’s major, for students on probation, or for Engineering majors.

http://myfau.fau.edu
Go to MyFAU to:
Check e-mail
See FAU Announcements
FAU Self-Service:
Course schedules
Registration (drop/add classes) and withdrawals
Student records and financial aid
Tuition payments
The University Course Catalog
NEUROSCIENCE AND BEHAVIOR MAJOR

Major Core (21 credits, 7 courses)

BSC 1011 & L  Biodiversity with lab (3 + 1 = 4 cr) – as indicated on first page
BSC 1010 & L  Biological Principles with lab (3 + 1 = 4 cr) – as indicated on first page
PSB 3002  Biological Basis of Behavior I (3 cr) – PSY 1012 is a prerequisite
PCB 3063  Genetics (4 cr) – BSC 1011/1010 and CHM 2045/2046 all with labs are prerequisites
PSY 3213  Research Methods in Psychology (3 cr) – PSY 1012 is a prerequisite
PSY 3234  Experimental Design and Statistical Inference (3 cr) – PSY 1012 is a prerequisite
STA 3163L Intermediate Statistics Lab (1 cr) – PSY 3234 is a prerequisite and/or co-requisite
CBH 4024  Comparative Animal Behavior (3 cr) – PSY 1012 & BSC 1010 are prerequisites

Other Science Requirements (23 credits, 25 credits with Physics Labs, 6 courses)

CHM 2046 & L General Chemistry II with lab (3 + 1 = 4 cr)
CHM 2210 & D Organic Chemistry I (3 cr)
CHM 2211 & L Organic Chemistry II (5 cr including Lab)
BCH 3033 Biochemistry I (3 cr) – CHM 2210/22211 are prerequisites

Select two (2) Physics classes:

- PHY 2048** General Physics I (4 + 1 (optional lab) = 5 cr)
- AND PHY 2049 General Physics II (4 + 1 (optional lab) = 5 cr)
- OR
- PHY 2053*** College Physics I (4 + 1 (optional lab) = 5 cr)
- AND PHY 2054 College Physics II (4 + 1 (optional lab) = 5 cr)

Students are expected to complete a minimum of 12 credits below:

- EXP 4304 Psychology of Motivation (3 cr) – PSY 1012 is a prerequisite
- OCB 4043 & L Marine Biology & Marine Biology Field Studies & Lab (4 cr. total) – ZOO 2203 is prerequisite
- PCB 4043 Principles of Ecology (3 cr) – BSC 1011 & 1010, CHM 2045 & 2046 with labs
- PCB 4414C Behavioral Ecology (4 cr) – PCB 3063 is a prerequisite
- PCB 4674 Evolution (3 cr) – PCB 3063 & BCH 3033 are prerequisites
- PCB 4723 & L Comparative Animal Physiology & Lab (4 cr) – BSC 1011/1010 & CHM 2210 are prerequisites
- PSB 3002L Computer Laboratory in Psychobiology (3 cr) – PSB 3002 is a prerequisite
- PSB 4040L Lab in Psychobiology (3 cr) – EXP 44040 or PSB 4504 or PSB 3302 is a prerequisite
- PSB 4504 Developmental Psychobiology (3 cr) – PSY 1012 is a prerequisite
- ZOO 2203 & L Invertebrate Zoology and Lab (5 cr) – BSC 1011 & BSC 1010 with labs are prerequisites
- ZOO 4402 & L Functional Biology of Marine Animals & Lab (4 cr) – BSC 1011/1010 & OCB 4043 are prerequisites
- ZOO 4472 & L Ornithology and Lab (4 cr) – BSC 1011 & BSC 1010 with labs are prerequisites
- ZOO 4690 & L Comparative Vertebrate Morphogenesis with lab (3 cr) – 8 credits of general biology prerequisites
- EXP 4120 Auditory Perception
- EXP 4204 Human Perception (3 cr) – PSY 1012 and either EXP 3505 or PSB 3002 are prerequisites
- PCB 4723 & L Comparative Animal Physiology & Lab (4 cr) – BSC 1011/1010 & CHM 2210 are prerequisites
- PSB 3002L Computer Laboratory in Psychobiology (3 cr) – PSB 3002 is a prerequisite
- PSB 4004L Lab in Psychobiology (3 cr) – EXP 44040 or PSB 4504 or PSB 3302 is a prerequisite
- PSB 4006 Biological Basis of Behavior II (3 cr) – PSB 3002 is a prerequisite
- PSB 4240 Neuropsychology (3 cr) – PSY 1012 & PSB 3002 are prerequisites
- PSB 4323 Human Psychophysiology (3 cr) – PSB 3002 is a prerequisite
- PSB 4444 Psychopharmacology (3 cr) – PSY 1012 & PSB 3302 are prerequisites
- PSB 4504 Developmental Psychobiology (3 cr) – PSY 1012 is a prerequisite
- PSB 4610 Neurobiology of Learning and Memory (3 cr) – PSB 3002, PSB 4006 & PSY 3213 prerequisites
- PSY 4833 Biopsychology of Language (3 cr) – PSY 1012 is a prerequisite
- PSY 4838 Biopsychology of Language (3 cr) – PSY 1012 is a prerequisite
- PSY 6515 Developmental Neurobiology (3 cr) – PSY 1012 & PSB 3002 are prerequisites
- PCB 4842 Cellular Neuroscience and Disease (cr) – PCB 3063 & PCB 4023 are prerequisites
- PCB 4843C Practical Cell Neuroscience (3 cr) – PCB 3063, PCB 4023 & PCB 4842 are prerequisites
- PCB 3703 & L Human Morphology and Function I & Lab (4 cr) – BSC 1011 & 1010 with labs are prerequisites
- PCB 3704 & L Human Morphology and Function II & Lab (4 cr) – BSC 1011/1010 & CHM 2221 are prerequisites
- PCB 4023 Molecular and Cell Biology (3 cr) – BCH 3033 is a prerequisite
- PCB 4723 & L Comparative Animal Physiology & Lab (4 cr) – BSC 1011/1010 & CHM 2210 are prerequisites
- PSY 4810 Neurobiology of Learning and Memory (3 cr) – PSB 3002, PSB 4006 & PSY 3213 prerequisites

UPPER DIVISION RESTRICTED FREE ELECTIVES (13 credits) – Must see an academic advisor within the college.

FREE ELECTIVES (5 credits) - Free electives are courses in any college, any department, needed to meet the 120 credits required for graduation.

FOREIGN LANGUAGE (4 - 8 credits, 1 or more courses in the same language) - REQUIRED FOR MAJOR

Students with more than one year of a foreign language in high school should enroll in the second half of the beginners’ foreign language class (ARA/CHI/FRE/GER/HBR/ITA/JPN/LAT/SPN 1121) or a higher level course. Proficiency for a first-level course can be earned by successfully completing a second-level course. For questions related to this requirement, consult an academic advisor. CLEP exam credits meet this requirement: see the catalog.