NEUROSCIENCE & BEHAVIOR MAJOR (2022-2023)

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 1939 + ....Special Topic: College Writing
____ HIS 2050 + .....Writing History

Note: Students must take four Writing-Across-the-Curriculum (WAC) courses, two of which must be taken from Foundations of Written Communication.

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.

Group A
____ BSC 1010 & L & D (Required)
Biological Principles
(4 cr. incl. Lab & Dis)
____ CHM 2045 & L (Required)
General Chemistry 1
(4 cr. Incl. Lab) *
____ PHY 2048 & L (Required)
General Physics 1
(5 credits incl. Lab) *
____ PHY 2053
College Physics 1 (4 credits) **

Group B
____ BSC 1011 & L & D (Required)
Biodiversity (4 cr. incl Lab & Dis)

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.

FOUNDATIONS OF MATHMATICS & QUANTITATIVE REASONING
(6 credit hours required – Grade of “C” or higher is required)
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.

Group A
____ MAC 1105 ..... College Algebra
____ MAC 2311 ..... Calculus with Analytic Geometry 1 (4 credits)
or any mathematics course for which one of the above courses is the direct prerequisite

Group B
____ MAC 1147 ..... Precalculus Algebra & Trigonometry (5 credits)
____ MAC 2233 ..... Methods of Calculus (Required or higher math)
____ MAC 2312 ..... Calculus with Analytic Geometry 2 (4 credits)

FOUNDATIONS OF SOCIETY & HUMAN BEHAVIOR
(6 credit hours required)
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.

Group A
____ AMH 2020 & D ...... United States History Since 1877 ◊
____ ANT 2000 & D .......Introduction to Anthropology (WAC)
____ ECO 2013 .........Macroeconomic Principles §
____ POS 2041 ..........Government of the United States ◊
____ PSY 1012 ..........Introduction to Psychology (Required)
____ SYG 1000 ..........Sociological Perspectives
(Recommended)

Group B
____ AMH 2010 & D ...... United States History to 1877
____ CCJ 2002 .............Law, Crime & the Criminal Justice System ±
____ DIG 2202 ..........Digital Culture
____ ECO 2023 ..............Microeconomic Principles §
____ ECP 2002 ..........Contemporary Economic Issues
____ EEX 2091 .............Disability and Society
____ EVR 1110 ..........Climate Change: The Human Dimensions
____ EVR 2017 ..........Environment and Society
____ LIN 2001 ..........Introduction to Language (online course)
____ PAD 2081 ..........Risk Resilience and Rising Seas ±
____ PAD 2258 ..........Changing Environment of Soc., Bus., & Gov’t
____ SYG 2010 ..........Social Problems
____ URP 2051 ..........Designing the City

(D) = Discussion, (L) = Lab
STUDENTS ASSUME RESPONSIBILITY FOR MEETING ALL GRADUATION REQUIREMENTS

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

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.
* - MAC 2311 is a prerequisite for this course. If a lab is needed, then take General Physics 1 Lab (PHY 2048 Lab).
** - MAC 2233 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).
± - Starting Spring 2022
Ω - Starting Spring 2023
◊ - See information box below regarding Civic Literacy Requirement
WAC - (WAC) Writing across the curriculum course.

§ 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, LIT 2070 and LIT 2391. 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.

https://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

Civic Literacy Requirement
https://www.fau.edu/ugstudies/civic-literacy-requirement/

Beginning in Fall 2018, students entering a Florida public institution as a degree-seeking student for the first time needs to demonstrate civic literacy through either taking a certain course (AMH 2020 or POS 2041) or passing an assessment exam. Beginning in Summer 2021, Florida Legislature amended the statute and now requires students to complete both a civic literacy course (AMH 2020 or POS 2041) and an assessment exam.
NEUROSCIENCE AND BEHAVIOR MAJOR

Major Core (21 cr., 7 courses) - All required courses must earn at least a “C- “. Chemistry courses must earn at least a “C”.

- 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 & PSY 3234 are prerequisites
- 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 & PSY 3234 are prerequisites
- 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 3505 Cognition (3 cr.) – PSY 1012 is a prerequisite. PSY 3234 is a prerequisite and/or co-requisite
- EXP 4120 Auditory Perception (3 cr.) – PSY 1012 is a prerequisite
- EXP 4204 Human Perception (3 cr.) – PSY 1012 and either EXP 3505 or PSB 3002 are prerequisites
- 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 3205/L are prerequisites
- PCB 3023 Cell Biology (3 cr.) – BSC 1010 & CHM 2045 are prerequisites
- PCB 3674 Evolution (3 cr.) – BSC 1010 is a prerequisite
- PCB 3703 & L Human Morphology and Function I & Lab (4 cr.) – BSC 1010,1011 w/Labs & CHM 2210,2211 are prerequisites
- PCB 3704 & L Human Morphology and Function II & Lab (4 cr.) – BSC 1010,1011 w/Labs & CHM 2210,2211 are prerequisites
- PCB 4043 Principles of Ecology (3 cr.) – BSC 1011 & 1010, CHM 2045 with Labs are prerequisites
- PCB 4414C Behavioral Ecology (4 cr.) – PCB 3063 is a prerequisite
- PCB 4723 & L Comparative Animal Physiology & Lab (4 cr.) – BSC 1010,1011 w/Labs & CHM 2210,2211 are prerequisites
- PCB 4842 Cellular Neuroscience and Disease (cr.) – PCB 3023 & PCB 3063 are prerequisites
- PCB 4843C Practical Cell Neuroscience (3 cr.) – PCB 3063 is a prerequisite
- PSB 3002L Computer Laboratory in Psychobiology (3 cr.) – PSB 3002 is a prerequisite
- PSB 4004L Lab in Psychobiology (3 cr.) – EXP 4404 or PSB 4504 or PSB 3002 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 4810 Neurobiology of Learning and Memory (3 cr.) – PSB 3002, PSB 4006 & PSY 3213 prerequisites
- PSB 4915 Directed Independent Research in Neuroscience and Behavior (1-3 cr.)
- PSB 4917 Directed Independent Research in Neuroscience and Behavior (0-3 cr.)
- PSB 4930 Special Topics in Neuroscience and Behavior (3 cr.)
- PSY 4833 Biopsychology of Language (3 cr.) – PSY 1012 is a prerequisite
- PSY 6515 Developmental Neurobiology (3 cr.) – PSY 1012 & PSB 3002 are prerequisites
- ZOO 3205 & 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 Vertebrate Structure Development and Evolution & Lab (5 cr.) – 8 credits of general biology prerequisites
- ZOO 4742 Principles of Human Neuroanatomy (3cr.) – 8 credits of general biology 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.