FLORIDA ATLANTIC UNIVERSITY – INTELLECTUAL FOUNDATION PROGRAM 2021 – 2022

All courses are three (3) credits unless otherwise indicated. Course selections should be made in consultation with an academic advisor.

### NEUROSCIENCE & BEHAVIOR MAJOR (2021-2022)

**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 MATHEMATICS & 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.

- 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 A**

- 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)

**Group B**

- MAC 2233 ..... Methods of Calculus (Required or higher math)
- MAC 2312 ..... Calculus with Analytic Geometry 2 (4 credits)

**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.

<table>
<thead>
<tr>
<th>Group A</th>
<th>Group B</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSC 1010 &amp; L &amp; D (Required) Biological Principles (4 cr. Incl. Lab &amp; Dis)</td>
<td>BSC 1011 &amp; L &amp; D (Required) Biodiversity (4 cr. incl Lab &amp; Dis)</td>
</tr>
<tr>
<td>CHM 2045 &amp; L (Required) General Chemistry 1 (4 cr. Incl. Lab)</td>
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<tr>
<td>PHY 2048 &amp; L (Required) General Physics 1 (5 credits incl. Lab)</td>
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<tr>
<td>PHY 2053 College Physics 1 (4 credits)</td>
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</tbody>
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(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.

**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.

<table>
<thead>
<tr>
<th>Group A</th>
<th>Group B</th>
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<tbody>
<tr>
<td>AMH 2020 &amp; D ...... United States History Since 1877 (P/F)</td>
<td>AMH 2010 &amp; D ...... United States History to 1877 (P/F)</td>
</tr>
<tr>
<td>ANT 2000 &amp; D ...... Introduction to Anthropology (WAC)</td>
<td>CCJ 2002 .............. Law, Crime &amp; the Criminal Justice System</td>
</tr>
<tr>
<td>ECO 2013 .............. Macroeconomic Principles §</td>
<td>DIG 2202 .............. Digital Culture</td>
</tr>
<tr>
<td>POS 2041 .......... Government of the United States</td>
<td>ECO 2023 .............. Microeconomic Principles §</td>
</tr>
<tr>
<td>PSY 1012 .............. Introduction to Psychology (Required)</td>
<td>ECP 2002 .............. Contemporary Economic Issues</td>
</tr>
<tr>
<td>SYG 1000 .............. Sociological Perspectives (Highly Recommended)</td>
<td>EEX 2091 .............. Disability and Society</td>
</tr>
<tr>
<td>URP 2051 .............. Designing the City</td>
<td>EVR 1110 .......... Climate Change: The Human Dimensions</td>
</tr>
<tr>
<td>URP 2051 .............. Designing the City</td>
<td>EVR 2017 .......... Environment and Society</td>
</tr>
<tr>
<td>URP 2051 .............. Designing the City</td>
<td>LIN 2001 .......... Introduction to Language (online course)</td>
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<tr>
<td>URP 2051 .............. Designing the City</td>
<td>PAD 2013 .......... Risk Resilience and Rising Seas ±</td>
</tr>
<tr>
<td>URP 2051 .............. Designing the City</td>
<td>PAD 2258 .......... Changing Environment of Soc., Bus., &amp; Gov’t</td>
</tr>
<tr>
<td>URP 2051 .............. Designing the City</td>
<td>SYG 2010 .......... Social Problems</td>
</tr>
<tr>
<td>URP 2051 .............. Designing the City</td>
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</tbody>
</table>

± = Online course
FOUNDATIONS IN GLOBAL CITIZENSHIP
(6 credit hours required)
Student must choose two (2) courses from among the following:

____ ANT 2410 .............. Culture and Society
____ EDF 2854 ............... Educated Citizen in Global Context
____ GEA 2000 .............. World Geography
____ INR 2002 .............. Introduction to World Politics
____ LAS 2000 .............. Intro to Caribbean & Latin American Studies
____ LIN 2607 .............. Global Perspectives on Language
____ POT 2000 .............. Global Political Theory
____ SYP 2450 .............. Global Society
____ SOW 1005 .............. Global Perspectives of Social Services
____ WOH 2012 & D ......... History of Civilization 1 (WAC) ++
____ WOH 2022 ............. History of Civilization 2
____ WST 2351 .............. Gender and Climate Change

FOUNDATIONS OF HUMANITIES
(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

____ ARH 2000 .............. Art Appreciation (P/F)
____ MUL 2010 ............. Music Appreciation
____ PHI 2010 & D ........ Introduction to Philosophy (WAC) ++
____ THE 2000 ............. Theatre Appreciation

Group B

____ ARC 2208 .............. Culture & Architecture
____ DAN 2100 ............. Appreciation of Dance
____ FIL 2000 & D ......... Film Appreciation
____ HUM 2470 ............ Racism and Anti-Racism
____ LIT 2010 .............. Interpretation of Fiction (WAC) ++
____ LIT 2030 .............. Interpretation of Poetry (WAC) ++
____ LIT 2040 .............. Interpretation of Drama (WAC) ++
____ LIT 2070 .............. Interpretation of Creative Nonfiction (WAC) ++
____ LIT 2100 .............. Introduction to World Literature
____ SPC 2608 .............. Public Speaking

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 and afterwards.

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 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.

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 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 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)
- PCB 3033 Biochemistry I (3 cr.) – CHM 2210/22211 are prerequisites

Select two (2) Physics classes:

- PHY 2048** (4 cr) – General Physics I (4 + 1 (optional lab) = 5 cr.)
- AND PHY 2049 (4 + 1 (optional lab) = 5 cr.)
- OR PHY 2053*** (5 credits) – 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
- 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 4004L Lab in Psychobiology (3 cr.) – EXP 4404 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 (3 cr.)
- 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 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
- PSY 4833 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
- PSB 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.