### NEUROSCIENCE & BEHAVIOR MAJOR (2015-2016)

**Charles E. Schmidt College of Science**  
Bachelor of Science (BS)

#### 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:**

- **English Department**  
  - 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: The American Revolution

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

**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 two of the following courses, one must be from group A.  
The second course may be from group A or group B.

**Group A**

- **Biology Department**  
  - BSC 1005 & L …….Life Science (3 credits including Lab)  
  - BSC 1010 & L & D ….Biological Principles (4 credits including Lab & Dis)  
  - BSC 2085 & L …….Anatomy & Physiology 1 (4 credits including Lab) *

- **Chemistry Department**  
  - CHM 1020C …….Contemporary Chemical Issues  
  - CHM 2045 & L …….General Chem. 1 (4 cr w/Lab) ‡ *(REQUIRED)*

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

- **Physics Department**  
  - AST 2002 …………..Introduction to Astronomy *(P/F)*  
  - PHY 2048 & L …….General Physics 1 (5 credits including Lab) **  
  - PHY 2053 …………..College Physics 1 (4 credits) ***

**Group B**

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

- **Biology Department**  
  - BSC 1011 & L & D ….Biodiversity (4 cr. w/Lab & Discussion) *(REQUIRED)*

- **Chemistry Department**  
  - CHM 2032 & L …….Chem. for Health Sciences (4 cr. including Lab)  
  - CHM 2033 …………..Chemistry in Modern Life *(P/F)*

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

- **Geosciences Department**  
  - GLY 2010C …………..Physical Geology (4 cr. including Lab)  
  - GLY 2100 …………..History of Earth and Life  
  - MET 2010 & D …….Weather and Climate

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

**Foundations of Mathematics & Quantitative Reasoning**  
(6 credit hours required – Grade of “C” or higher is required)  
Student must take two of the following courses, one must be from group A.  
The second course may be from group A or group B.

**Pretest is required before taking your first Math course**

- **Group A**
  - MGF 1106 …………..Math for Liberal Arts 1  
  - MGF 1107 …………..Math for Liberal Arts 2  
  - MAC 1105 …………..College Algebra  
  - STA 2023 …………..Introductory Statistics  
  - 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 1140 …………..Precalculus Algebra  
  - MAC 1114 …………..Trigonometry  
  - MAC 1147 …………..Precalculus Algebra & Trigonometry (5 credits)  
  - MAC 2233 …………..Methods of Calculus *(REQUIRED)*  
  - MAC 2312 …………..Calculus with Analytic Geometry 2 (4 credits)

- **Philosophy Department**  
  - PHI 2102 …………..Logic

**Note:** Students must take at least one course with the prefix MAC or MGF.

### FOUNDATIONS OF SOCIETY & HUMAN BEHAVIOR  
(6 credit hours required)  
Student must take two of the following courses, one must be from group A.  
The second course may be from group A or group B.

**Group A**

- **History Department**  
  - AMH 2020 & D ……United States History Since 1877 *(P/F)*

- **Anthropology Department**  
  - ANT 2000 …………..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

**Group B**

- **History Department**  
  - AMH 2010 & D ……United States History to 1877 *(P/F)*

- **Economics Department**  
  - ECO 2023 …………..Microeconomic Principles §

- **Psychological Science Department**  
  - ECP 2002 …………..Contemporary Economic Issues

- **Exceptional Student Education Department**  
  - EEX 2091 …………..Disability and Society

- **Geosciences Department**  
  - EVR 1001 …………..Environment and Society

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

- **Sociology Department**  
  - SYG 2010 …………..Social Problems

- **Urban & Regional Planning Department**  
  - URP 2051 …………..Designing the City

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*(P/F)*

*(online course)*

*(required)*

*(Permit Only)*

*(Deletes)*

*(required)*

*(required)*
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.

Legend

($)  Writing Across the Curriculum (WAC)
++  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.

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

http://myfau.fau.edu

§  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.
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)
- **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:

**AND**

- **PHY 2048** General Physics I (4 + 1 (optional lab) = 5 cr)
- **PHY 2049** General Physics II (4 + 1 (optional lab) = 5 cr)

**OR**

- **PHY 2053** College Physics I (4 + 1 (optional lab) = 5 cr)
- **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 4004L** 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 4504** Developmental Psychobiology (3 cr) – PSY 1012 is a prerequisite
- **PCB 4723 & L** Comparative Animal Physiology & Lab (4 cr) – BSC 1011/1010 & CHM 2210 are prerequisites
- **PVE 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) – PSY 1012 & 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 2211 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

FREE ELECTIVES (18 credits, 13 credits must be upper-division)

Free electives are courses in any college, any department, needed to meet the 120 credits required for graduation.