

PSYCHOBIOLOGY MAJOR (2008 - 2009)

INTELLECTUAL FOUNDATIONS PROGRAM (I.F.P.) REQUIREMENTS INCLUDING SCIENCE, & FOREIGN LANGUAGE

ENGLISH COMPOSITION (6 credits, 2 courses, must get a C or better)

- ENC 1101 College Writing 1 (Gordon Rule Writing) (3 credits)
- ENC 1102 College Writing 2 (Gordon Rule Writing) (3 credits)

MATHEMATICS (6 credits minimum, two courses from the following list) (Gordon Rule, must get a C or better)

MUST TAKE A PLACEMENT TEST BEFORE REGISTERING FOR MATH COURSES

- MAC 1105 College Algebra (3 credits)
- MAC 1114 Trigonometry (3 credits)
- MAC 1140 Pre-Calculus Algebra (3 credits)
- MAC 1147 Precalculus Algebra and Trigonometry (5 cr)
- MAC 2233 Methods of Calculus (3 credits) – **(or higher level calculus course REQUIRED)**
- (or) MAC 2311 Calculus with Analytic Geometry 1 (4 cr)
- MAC 2312 Calculus with Analytic Geometry 2 (4 credits)
- MAC 2241 Life Science Calculus 1 (3 Credits)
- MAC 2242 Life Science Calculus 2 (3 Credits)

SOCIAL SCIENCES (9 credits, 3 courses, from 3 disciplines) ♦

- ANT 2000 (D) Introduction to Anthropology (3 credits)
- ANT 2410 Culture and Society (3 credits)
- GEA 2000 (D) World Geography (3 credits)
- ECO 2023* Microeconomic Principles (3 credits)
- ECO 2013* Macroeconomic Principles (3 credits)
- ECP 2002 Contemporary Economic Issues (3 credits) – *Recommended for non-business majors*
- PAD 2258 Changing Environment of Society, Business & Government (3 credits)
- POS 1041 The Government of the United States (3 credits)
- INR 2002 Introduction to World Politics (3 credits)
- PSY 1012 General Psychology (3 credits) - **REQUIRED**
- SYG 1000 Introductory Sociology (3 credits)
- SYG 2010 Social Problems (3 credits)

* *Sophomore standing is a prerequisite*

HUMANITIES (9 credits, 3 courses) ♦ choose **two** courses from **two** disciplines ♦

- LIT 2010 Interpretation of Fiction (Gordon Rule Writing, C or better) (3 credits)
- LIT 2030 Interpretation of Poetry (Gordon Rule Writing, C or better) (3 credits)
- LIT 2040 Interpretation of Drama (Gordon Rule Writing, C or better) (3 credits)
- PHI 2010 (D) Introduction to Philosophy (Gordon Rule Writing, C or better) (3 credits)
- WOH 2012 (D) History of Civilization (Gordon Rule Writing, C or better) (3 credits)

and Choose **one** from the following five courses.

- ARC 2208 Culture and Architecture: Master Builder (3 credits)
- ARH 2000 (P/F) Art Appreciation (3 credits)
- MUL 2010 History and Appreciation of Music (3 credits)
- THE 2000 Appreciation of Theater (3 credits)
- FIL 2000 (D) Film Appreciation (3 credits)
- DAN 2100 Appreciation of Dance (3 credits)

SCIENCE (See next page)

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

Students with more than one year of foreign language in high school should enroll in Beginning Language and Culture 2 (FOL/FRE/GER/GRE/GRK/HBR/ITA/JPN/LAT/SPN 1121) or a higher-level course. Students can earn proficiency for a first-level course by successfully completing a second-level course. For questions related to this requirement, consult an academic advisor.

NOTE: Native speakers of a foreign language must consult the Languages & Linguistics dept. regarding this requirement. CLEP exam credits meets this requirement, see catalog.

CLAST: Satisfy the College Level Academic Skills Test (CLAST) see Catalog for options.

* **HONORS NOTE: Students can apply for the PSYCHOLOGY HONORS PROGRAM after completion of 60 credits, and before completion of 105 cr. Students must have a 3.2 overall & Psychology GPA to be admitted & retained in the Honors track.**

♦ **NOTE: Honors Seminars SHALL BE ACCEPTED AS MEETING THE GORDON RULE WRITING REQUIREMENT.** See Freshman Academic Advising Services for details.

MAJOR COURSES AND COLLEGE REQUIREMENTS

PSYCHOBIOLOGY MAJOR

Major Core (25 credits, 8 courses - **Required**)

BSC 1011/1010 & L	Biodiversity and Biological Principles with labs (3 + 1 = 4 credits each)
PSY 3213	Research Methods in Psychology (3 credits) – PSY 1012 is a prerequisite
PSY 3234	Experimental Design and Statistical Inference (3 credits) – PSY 1012 is a prerequisite
STA 3163L	Intermediate Statistics Lab (1 credit)
PSB 3002	Biological Basis of Behavior I (3 credits) – PSY 1012 is a prerequisite
CBH 4024	Comparative Animal Behavior (3 credits) – PSY 1012 & BSC 1010 are prerequisites
PCB 4723 & L	Comparative Animal Physiology & Lab (3 + 1 = 4 credits)

Other Science Requirements (27 credits, 29 credits with Physics Labs, 9 courses)

CHM 2045/2046 & L	General Chemistry I & II both with labs (3 + 1 = 4 credits each)
CHM 2210 & D	Organic Chemistry I (3 credits)
CHM 2211	Organic Chemistry II (3 credits)
CHM 2211 Lab	Organic Chemistry II with lab (2 credits)
BCH 3033	Biochemistry I (3 credits -- BSC 1010/1011 and CHM 2045/2046 are prerequisites)
PHY 2048*/PHY 2049	General Physics I & II (4 + 1 (optional lab) = 5 credits each)
or	
PHY 2053**/PHY 2054	College Physics for the Life Sciences I & II (4 + 1 (optional lab) = 5 credits each)

* **Prerequisite of a "C" in one these math courses: MAC 1114 / 1147 / 2233 / 2253 / 2241 / 2311**

** **Prerequisite of a "C" in MAC 2311 or MAC 2253**

Concentration Area Requirements (12 credits in ONE AREA, 3-4 courses)

Students are expected to complete a minimum of 12 credits in one of the following areas of concentration:

I. Ethology/Comparative Psychology

PSB 4504	Developmental Psychobiology (3 credits) – PSY 1012 is a prerequisite
EXP 4304	Psychology of Motivation (3 credits) – PSY 1012 is a prerequisite
PSB 3002L	Computer Laboratory in Psychobiology (3 credits) – PSB 3002 is a prerequisite
PSB 4004L	Lab in Psychobiology (3 credits) – EXP 4404 or PSB 4504 or PSB 3302 is a prerequisite
PCB 3063	Genetics (Biology - 4 credits) – BSC 1011 & BSC 1010 with labs are prerequisites
PCB 4043	Principles of Ecology (Biology - 3 credits) – BSC 1011 & 1010, CHM 2045 & 2046 with labs
PCB 4414C	Behavioral Ecology (4 credits) – PCB 3063 is a prerequisite
PCB 4674	Evolution (3 credits) – PCB 3063 & BCH 3033 are prerequisites
ZOO 2203 & L	Invertebrate Zoology and Lab (5 credits) – BSC 1011 & BSC 1010 with labs are prerequisites
ZOO 4472 & L	Ornithology and Lab (4 credits) – BSC 1011 & BSC 1010 with labs are prerequisites
OCB 4043 & L	Marine Biology and Marine Biology Field Studies & Lab (4 credits total) – ZOO 2203 is prerequisite
ZOO 4690 & L	Comparative Vertebrate Morphogenesis with lab (3 credits) – 8 credits of general biology prereq

II. Behavioral Neuroscience

PSB 4444	Psychopharmacology (3 credits) – PSY 1012 & PSB 3302 are prerequisites
PSB 4504	Developmental Psychobiology (3 credits) – PSY 1012 is a prerequisite
PCB 3063	Genetics (4 credits) – BSC 1011 & BSC 1010 with labs are prerequisites
PSB 4240	Neuropsychology (3 credits) – PSY 1012 & PSB 3002 are prerequisite
PSY 6515	Developmental Neurobiology (3 credits) – PSY 1012 & PSB 3002 are prerequisites
PSB 4324	Human Psychophysiology (3 credits) – PSB 3002 is a prerequisite
PSY 4833	Biopsychology of Language (3 credits) – PSY 1012 is a prerequisite
EXP 4204	Human Perception (3 credits) – PSY 1012 and either EXP 3505 or PSB 3002 are prerequisites
PSB 4810	Neurobiology of Learning and Memory (3 credits) – PSB 3002, PSB 4006 & PSY 3213 prereq
PSB 4006	Biological Basis of Behavior II (3 credits) – PSB 3002 is a prerequisite
PSB 3002L	Computer Laboratory in Psychobiology (3 credits) – PSB 3002 is a prerequisite
PSB 4004L	Lab in Psychobiology (3 credits) – EXP 4404 or PSB 4504 or PSB 3002 is a prerequisite

44 credits	Intellectual Foundations Program (I.F.P.) and Foreign Language
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18 credits	Electives (13 credits must be upper division)
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58 credits	Psychobiology Major
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120 CREDITS	TOTAL (45 credits at upper division)
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NOTE: See the catalog for specific requirements, course descriptions, and additional information. The requirements for some Intellectual Foundations Program (I.F.P.) courses & other courses may be satisfied by passing the appropriate AP or CLEP exam. Check with your advisor and college.

The Charles E Schmidt College of Science has the following requirements: (1) Any course work in the major field transferred from another institution must be approved by the major dept; (2) No major course may be taken pass/fail; (3) The maximum amount of credit which may be earned through co-op is 10 credits, some departments allow some of these credits to substitute for major courses, check with dept for specifics. Psychology has the following requirements: (1) up to a maximum of 20 credits in Psychology may be transferred from another institution, with dept. approval; and (2) 22 credits minimum must be taken from courses with the Department at FAU. *All course selections should be made in consultation with an advisor.*