

PSYCHOBIOLOGY MAJOR (2007 - 2008)

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)

MAC 1105 College Algebra (3 credits)

MAC 1114 Trigonometry (3 credits) **(Pretest required prior to registering for the class)**

MAC 1140 Pre-Calculus Algebra (3 credits) **(Pretest required prior to registering for the class)**

MAC 1147 Precalculus Algebra and Trigonometry (5 cr) **(Pretest required prior to registering for the class)**

MAC 2233 Methods of Calculus (3 credits) – **(or higher level calculus course REQUIRED)**

(or) MAC 2311 Calculus with Analytic Geometry 1 (4 cr) **(Pretest required prior to registering for the class)**

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 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 3234	Experimental Design and Statistical Inference (3 credits)
STA 3163L	Intermediate Statistics Lab (1 credit)
PSB 3002	Biological Basis of Behavior I (3 credits)
CBH 4024	Comparative Animal Behavior (3 credits)
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	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 4500	Developmental Psychobiology (3 credits)
EXP 4304	Psychology of Motivation (3 credits)
PSB 3002L	Computer Laboratory in Psychobiology (3 credits)
PSB 4004L	Lab in Psychobiology (3 credits)
PCB 3063	Genetics (Biology -- 4 credits)
PCB 4043	Principles of Ecology (Biology -- 3 credits)
PCB 4414C	Behavioral Ecology (4 credits)
PCB 4674	Evolution (3 credits)
ZOO 2203 & L	Invertebrate Zoology and Lab (5 credits)
ZOO 4473 & L	Ornithology and Lab (4 credits)
OCB 4043 & L	Marine Biology and Marine Biology Field Studies & Lab (4 credits total)
ZOO 4516 & L	Experimental Techniques in Marine Animal Behavior (4 credits)
ZOO 4690 & L	Comparative Vertebrate Morphogenesis with lab (3 credits)

II. Behavioral Neuroscience

PSB 4444	Psychopharmacology (3 credits)
PSB 4500	Developmental Psychobiology (3 credits)
PCB 3063	Genetics (4 credits)
PSB 4240	Neuropsychology (3 credits)
PSY 5515	Developmental Neurobiology (3 credits)
PSB 4324	Human Psychophysiology (3 credits)
PSY 4833	Biopsychology of Language (3 credits)
EXP 4204	Human Perception (3 credits)
PSB 4810	Neurobiology of Learning and Memory (3 credits)
PSB 4006	Biological Basis of Behavior II (3 credits)
PSB 3002L	Computer Laboratory in Psychobiology (3 credits)
PSB 4004L	Lab in Psychobiology (3 credits)

44 credits	Intellectual Foundations Program (I.F.P.) and Foreign Language
18 credits	Electives (13 credits must be upper division)
58 credits	Psychobiology Major
120 CREDITS	TOTAL (45 credits at upper division)

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.*

STUDENTS ASSUME ALL RESPONSIBILITY FOR MEETING ALL GRADUATION REQUIREMENTS.

(4/07)