

**SECONDARY SCIENCE/BIOLOGY EDUCATION MAJOR (2008-2009)
COLLEGE OF EDUCATION (BAE or BA)**

COMMUNICATIONS (6 credits must earn C or better in all Gordon Rule courses)

ENC 1101	College Writing I (Gordon Rule Writing) (3 credits)
ENC 1102	College Writing II (Gordon Rule Writing) (3 credits)

MATHEMATICS (6 credits, must earn C or better in all Gordon Rule courses)

Students must take math placement test before enrolling in course.

MAC 2233	Methods of Calculus (3 cr) (MAC1105, prerequisite) - Required
PSY 3234	Experimental Design & Statistical Inference (3 cr) (PSY1012, prerequisite) - Required

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

ANT 2000 (D)	Introduction to Anthropology + Discussion (3 credits) or
ANT 2410	Culture and Society (3 credits)
ECO 2023	Microeconomic Principles (3 credits) (sophomore standing is a pre-requisite) or
ECO 2013	Macroeconomic Principles (3 credits) (sophomore standing is a pre-requisite) or
ECP 2002	Contemporary Economic Issues (3 credits) (Cannot be used in place of ECO2013/ECO2023)
GEA 2000 (D)	World Geography + Discussion (3 credits)
INR 2002	Introduction to World Politics (3 credits) or
POS 1041	The Government of the United States (3 credits)
PAD 2258	Changing Environment of Society, Business & Government (3 credits)
PSY 1012	General Psychology (3 credits)
SYG 1000	Introductory Sociology (3 credits) or
SYG 2010	Social Problems (3 credits)

HUMANITIES (9 credits, from three different departments)

Select Two from two different disciplines:

LIT 2010	Interpretation of Fiction (3 credits, must earn C or higher) or
LIT 2030	Interpretation of Poetry (3 credits, must earn C or higher) or
LIT 2040	Interpretation of Drama (3 credits, must earn C or higher)
PHI 2010 (D)	Introduction to Philosophy (3 credits, must earn C or higher)
WOH 2012 (D)	History of Civilization I (3 credits, must earn C or higher)

Select One from the following list:

ARC 2208	Culture and Architecture: The Master Builder (3 credits)
ARH 2000	Art Appreciation (3 credits)
DAN 2100	Appreciation of Dance (3 credits) Pass/Fail or Grade Option
FIL 2000 (D)	Film Appreciation (3 credits)
MUL 2010	History and Appreciation of Music (3 credits)
THE 2000	Appreciation of Theater (3 credits)

SCIENCE (8 credits)

BSC 1011 + L	Biodiversity + Lab (3+1 credits) - Required
CHM 2045 + L	General Chemistry I + Lab (3+1 credits) - Required

FOREIGN LANGUAGE (0-8 credits, 0-2 courses college level credit same foreign language)
FOL/FRE/GER/GRE/GRK/HBR/ITA/JPN/LAT/SPN or other approved language (0 credits-BAE, 8 credits-BA). For questions related to this requirement, consult an academic advisor.

NOTE: Native speakers of a foreign language must consult the Languages & Linguistics department

FOREIGN LANGUAGE REQUIRED FOR BA ONLY, NOT BAE, ALL students must meet the Foreign Language ADMISSION Requirement- see catalog.

NOTE: Native foreign language speakers must consult the Dept of Lang & Linguistics

CLAST: Complete or satisfy the College Level Academic Skills Test requirement. Passing scores on all sections of the General Knowledge Test, along with an overall GPA of 2.5 is required for formal admission to a College of Education teacher preparation program.

LOWER DIVISION COLLEGE REQUIREMENTS (21 credits):

EME 2040 Introduction Educational Technology (3 credits)
EDF 2005 Introduction to Education (3 credits, **15-hrs plus security**)
EDG 2701 Teaching Diverse Populations (3 credits, **15-hrs plus security**)
Electives 12 credits

PROFESSIONAL EDUCATION (24 credits)

EDF 3210 Applied Learning Theory (3 credits)
EDF 3430 Educational Measurement and Evaluation (3 credits)
TSL 4324 ESOL Strategies for Content Area Teachers (3 credits)
SCE 4360 Science: Middle and Secondary (3 credits)
RED 4335 Reading in the Content Areas (3 credits)
ESE 3940 Secondary School Effective Instruct (3 credits, **90 - hrs plus security**)
SCE 4944 Student Teaching: Biology 6 - 12 (6 credits) Full-time internship/Fall or Spring

BIOLOGY MAJOR CONTENT (38 credits)

BSC 1010 + L Biological Principles + Lab (4 credits)
CHM 2046 + L General Chemistry II + Lab (4 credits)
PSC 2121 Physical Science (3 credits)
OCG 3002 Oceanography (3 credits)
CHM 2210 Organic Chemistry (3 credits)
or
CHM 2200 Introduction to Organic Chemistry (3 credits)
PCB 3063 Genetics (4 credits) or
PCB 4522 Molecular Genetics (4 credits) **Permission of instructor required**
PCB 4043 Principles of Ecology (3 credits)*
MCB 3020 + L General Microbiology + Lab (4 credits) or
PCB 4023 Molecular & Cell Biology (3 credits)
PCB 4723 + L Comparative Animal Physiology + Lab (4 credits)*
or
BOT 4503 + L Principles of Plant Physiology + Lab (4 credits)
Electives Biological Sciences (6 credits, including 3 credits upper division)

*** See Catalog for possible prerequisites. Permission of instructor required.**

44 - 52 credits	Intellectual Foundations Program, Major Requirements and Foreign Language (44 credits for BAE) (52 credits for BA, includes 8 credits Foreign Language)
15 credits	Lower Division Requirements
24 credits	Professional Education
<u>37 credits</u>	Major Content
120 (BAE) credits	Total
128 (BA) credits	

Students assume all responsibility for meeting all graduation requirements.

For additional information, please contact the College of Education Office for Academic and Student Services:

College of Education, Room 230
(561) 297 – 3570 or <http://www.coe.fau.edu/menu.htm>

Note: To be admitted to a Teacher Education program, students must do the following:

1. Have a minimum GPA of 2.5 on a 4.0 scale on the lower division undergraduate general education component.
2. Complete or satisfy CLAST requirement;
3. Passing scores on all sections of the General Knowledge (GK) test
4. Meet the general university requirements for admission;
5. Be interviewed and recommended for admission;
6. Be programmed by an assigned advisor, and;
7. Be approved for admission by the College of Education.

05/08