

## SECONDARY SCIENCE/CHEMISTRY 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 (9 credits, must earn C or better in all Gordon Rule courses)

**Students must take math placement test before enrolling in course.**

MAC 1105 College Algebra (3 credits) **REQUIRED**

MAC 2233 Methods of Calculus (3 credits) **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)

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, two from two different departments)

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 (See Reverse side)

### 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, <b>15-hrs plus security</b> )
EDG 2701	Teaching Diverse Populations (3 credits, <b>15-hrs plus security</b> )
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, <b>90-hrs plus security</b> )
SCE 4944	Student Teaching: Chemistry 6 - 12 (6 credits)

**CHEMISTRY MAJOR CONTENT (45\* credits)**

PHY 2053	College Physics for the Life Sciences I (4 credits)
PHY 2054	College Physics for the Life Sciences II (4 credits)
CHM 2045 + L	General Chemistry I + Lab (4 credits)
CHM 2046 + L	General Chemistry II + Lab (4 credits)
OCG 3002	Oceanography (3 credits)
CHM 3120 + L	Quantitative Analysis + Lab (4 credits)
CHM 2210 + L	Organic Chemistry I + Lab (4 credits)
CHM 2211 + L	Organic Chemistry II + Lab (4 credits)
BCH 3033	Biochemistry I (3 credits)
BCH 3103L	Biochemistry Lab (3 credits)
CHM 3400	Introduction to Physical Chemistry (3 credits)
CHM 3609 + L	Inorganic Chemistry + Lab (4 credits)
CHM 3060	Chemical Literature (1 credit)

\*Includes Intellectual Foundations Program Science (6 credits)

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36 - 44credits	Intellectual Foundations Program and Foreign Language (36credits for BAE) (44 credits for BA, includes 8 credits Foreign Language)
21 credits	Lower Division Requirements
24 credits	Professional Education
39 credits	<u>Major Content</u>
<b>120 (BAE) credits</b>	<b>Total</b>
<b>128 (BA) credits</b>	

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**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