

FLORIDA ATLANTIC UNIVERSITY

All courses are three (3) credits unless otherwise indicated. Course selections should be made in consultation with an academic advisor.

**SECONDARY SCIENCE
CHEMISTRY EDUCATION MAJOR
(2011 – 2012)**

College of Education
Bachelor of Arts (BA) or Bachelor of Arts in Education (BAE)

**FOUNDATIONS OF WRITTEN COMMUNICATION
(Gordon Rule Writing (GRW), 6 credits required)
(A grade of "C" or higher is required in each course)**

- ___ ENC 1101 College Writing I (REQUIRED)
- ___ ENC 1102+ College Writing II

THE FOLLOWING COURSES CAN BE SUBSTITUTED FOR ENC 1102:

- ___ ANT 1471+ Cultural Difference in a Globalized Society
- ___ ENC 1930+ University Honors Seminar in Writing (Permit Only)
- ___ ENC 1939+ Special Topic: College Writing II
- ___ ENC 2452+♦ Advanced Composition for Science
- ___ NSP 1195+ Being Cared For: Reflections from Other Side of Bed

After completing this section, two additional (GRW) classes are required from two different departments. Choices are available in: Foundations in Global Citizenship and/or Foundations of Creative Expression.

**FOUNDATIONS OF SOCIETY & HUMAN BEHAVIOR
(6 credits required, select 2 courses from 2 different departments)**

Anthropology Department

- ___ ANT 2000 & D Introduction to Anthropology

Economics Department

- ___ ECO 2013# Macroeconomic Principles
- ___ ECO 2023# Microeconomic Principles
- ___ ECP 2002 Contemporary Economic Issues

Exceptional Student Education Department

- ___ EEX 2091 Disability and Society

Political Science Department

- ___ POS 2041 Government of the United States

Psychology Department

- ___ PSY 1012 General Psychology

Public Administration Department

- ___ PAD 2258 Changing Env. of Soc., Bus., & Government

Sociology Department

- ___ SYG 1000 Sociological Perspectives
- ___ SYG 2010 Social Problems

Geosciences Department

- ___ EVR 2017 Environment and Society

Urban & Regional Planning Department

- ___ URP 2051 Designing the City

**FOUNDATIONS OF SCIENCE & THE NATURAL WORLD
(8 credits required, select 2 courses from 2 different departments)
(Labs and discussions are required)**

----- **FOR Science Majors:** -----

Chemistry Department

- ___ CHM 2045 & L† General Chemistry I (4 cr. Incl. Lab) (REQUIRED)

Physics Department

- ___ PHY 2053*** College Physics I (4 credits) (REQUIRED)

**Additional science courses are required.
Consult with your academic advisor.**

**FOUNDATIONS OF MATHEMATICS & QUANTITATIVE REASONING
(Grade of "C" or higher required. 6 credits required)
PRETEST IS REQUIRED BEFORE TAKING YOUR FIRST MATH CLASS
NOTE: Students must take at least one course with the prefix
MAC or MGF from the list below**

- ___ MAC 1105 College Algebra (REQUIRED)
- ___ MAC 2233 Methods of Calculus (REQUIRED)

**Additional math courses are available upon request.
Consult with your academic advisor.**

**FOUNDATIONS IN GLOBAL CITIZENSHIP
(Select 2 courses from 2 different departments)
(6 credits required. At least 1 course from Global Perspectives)**

- **WESTERN IDENTITIES:** -----
- Sociology Department**
- ___ SYD 2790 Race, Class, Gender, and Sexuality
- Philosophy Department**
- ___ PHI 2010++ Introduction to Philosophy (GRW)
- History Department**
- ___ AMH 2010 (P/F) United States History to 1877
 - ___ AMH 2020 (P/F) United States History Since 1877
- Languages, Linguistics, & Comparative Literature Department**
- ___ LAS 2000 Intro to Caribbean & Latin American Studies

- **GLOBAL PERSPECTIVES (1 course required):** -----
- Anthropology Department**
- ___ ANT 2410 Culture and Society
- Geography Department**
- ___ GEA 2000 & D World Geography
- History Department**
- ___ WOH 2012 & D++ History of Civilization I (GRW)
 - ___ WOH 2022 History of Civilization II
- Sociology Department**
- ___ SYP 2450 Global Society
- Political Science Department**
- ___ INR 2002 Introduction to World Politics
- Languages, Linguistics, & Comparative Literature Department**
- ___ LIN 2607 Global Perspectives on Language
- Curriculum, Culture, & Educational Inquiry Department**
- ___ EDF 2854 Educated Citizen in Global Context
- Social Work Department**
- ___ SOW 1005 Global Perspectives on Social Services

**FOUNDATIONS OF CREATIVE EXPRESSION
(6 credits req., select 2 courses from 2 different departments)**

- Architecture Department**
- ___ ARC 2208 Culture & Architecture
- Visual Art & Art History Department**
- ___ ARH 2000 (P/F) Art Appreciation
- School of Communication & Multimedia Studies**
- ___ FIL 2000 & D Film Appreciation
- English Department**
- ___ LIT 2010++ Interpretation of Fiction (GRW)
 - ___ LIT 2030++ Interpretation of Poetry (GRW)
 - ___ LIT 2040++ Interpretation of Drama (GRW)
- Languages, Linguistics, & Comparative Literature Department**
- ___ LIT 2100 & D Global Great Books
- Music Department**
- ___ MUL 2010 History & Appreciation of Music
- Theatre & Dance Department**
- ___ DAN 2100 Appreciation of Dance
 - ___ THE 2000 Appreciation of Theatre

STUDENTS ASSUME RESPONSIBILITY FOR MEETING ALL GRADUATION REQUIREMENTS
Course selections should be made in consultation with an advisor

Legend

- +** - ENC 1101 is a prerequisite.
- ++** - Two Foundations of Written Communications classes are required before taking this class.
- #** - Sophomore standing (30 credits earned) is required.
- ***** - MAC 1105 and MAC 1114 are prerequisites for this class. If a lab is needed take General Physics 1 Lab (PHY 2048 Lab).
- ◇** - A "B" in CHM 2045 and a grade of "C" or better in ENC 1101 in addition to a co-requisite of CHM 2051C is needed.
- GRW** - (WAC) Writing across the curriculum class.
- D** - A discussion is linked to the lecture. Students must register for the discussion in addition to the lecture.
- L** - A lab is linked to the lecture. Students must register for the lab in addition to the lecture.
- P/F** - Course may be taken pass (P) or fail (F) or for a letter grade. Indicate your preferred grading option during registration.
- ‡** - Corequisite of College Algebra (MAC 1105) or a prerequisite of Introductory Chemistry (CHM 1025).

FOREIGN LANGUAGE (0 - 8 credits, 1 or more courses in the same language) - **REQUIRED FOR BA MAJOR ONLY**

Students with more than one year of a foreign language in high school should enroll in the second half of the beginners foreign language class (FOL/FRE/GER/GRE/GRK/HBR/ITA/JPN/LAT/SPN 1121) or a higher level course. Proficiency for a first-level course can be earned by successfully completing a second-level course. For questions related to this requirement, consult an academic advisor. CLEP exam credits meet this requirement: see the catalog.

∕ NOTE: Native Speakers of a foreign language must consult the Language, Linguistics, and Comparative Literature Department regarding this requirement.

CLAS: College Level Academic Skills (CLAS) requirements need to be met prior to graduation. See the university catalog for additional information.

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

38 credits	Intellectual Foundations Program
12 credits	Free Electives (Foreign Language taken for BA count as electives)
09 credits	Lower-Division College Requirements
24 credits	Professional Education
<u>37 credits</u>	<u>Major Content</u>
120 CREDITS	TOTAL

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. Earn 60 credits.
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.
7. Be approved for admission by the College of Education

MAJOR COURSES, COLLEGE REQUIREMENTS and ELECTIVES

FREE ELECTIVES (12 credits)

Courses in any college, any department, including Education, needed to meet the 120 credits required for graduation.

LOWER DIVISION COLLEGE REQUIREMENTS (9 credits):

EDF 2005	Intro to the Teaching Profession (15 observation hours) (3 credits)
EDF 2085	Intro to Diversity for Educators (15 observation hours) (3credits)
EME 2040	Introduction to Technology for Educators (3 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: Chemistry 6 - 12 (6 credits)

CHEMISTRY MAJOR CONTENT (37 credits)

PHY 2054	College Physics for the Life Sciences II (4 credits) (Prerequisite of PHY 2053)
CHM 2046 + L	General Chemistry II + Lab (4 credits) (Prerequisite of CHM 2045 + L)
OCE3008	Oceanography (3 credits)
CHM 3060	Chemical Literature (1 credit)
CHM 3120 + L	Quantitative Analysis + Lab (4 credits)
CHM 2210	Organic Chemistry I (3 credits)
CHM 2211 + L	Organic Chemistry II + Lab (5 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)

IMPORTANT NOTES:

Students registered in Education courses must purchase "Live Text" which is an on-line tool that will be used to track individual student competency mastery (CAs) in initial certification programs. For detailed information, please visit:

<http://www.coe.fau.edu/livetext/default.htm>

Field experience is a required component of some Education courses. All students requiring a field experience placement must have evidence of current security clearance. For detailed information, please visit:

<http://www.coe.fau.edu/students/oass/fieldexperience/default.aspx>