SECONDARY SCIENCE CHEMISTRY EDUCATION MAJOR (2014 – 2015)

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
HIS 2934+ .............. Writing History
NSP 1195+ .............. Being Cared For: Reflections from Other Side of Bed

Students must take four (4) GRW Courses.
Two (2) must be taken from Foundations of Written Communications.
§Two additional courses are REQUIRED.

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

Geosciences Department
___ EVR 2017 ....................... Environment 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

Urban & Regional Planning Department
___ URP 2051 ....................... Designing the City

FOUNDATIONS OF MATHMATIC & 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 OF SOCIAL & HUMAN BEHAVIOR
(Select 2 courses from 2 different departments) (6 cr. req.)
At least 1 course must be Global Perspectives – (GP)

Anthropology Department
___ ANT 2410 ....................... Culture and Society (GP)

Curriculum, Culture, & Educational Inquiry Department
___ EDF 2854 ....................... Educated Citizen in Global Context (GP)

Geography Department
___ GEA 2000 ....................... World Geography (GP)

History Department
___ AMH 1010 (P/F) .......... United States History to 1877
___ AMH 2020 (P/F) ............. United States History Since 1877
___ WOH 212 & D+ .......... History of Civilization I (GRW) (GP)
___ WOH 2222 ................. History of Civilization II (GP)

Languages, Linguistics, & Comparative Literature Department
___ LIN 2607 ....................... Global Perspectives on Language (GP)

Philosophy Department
___ PHI 2010 & D+ ............ Introduction to Philosophy (GRW)

Political Science Department
___ INR 2002 ....................... Introduction to World Politics (GP)

Sociology Department
___ SYD 2790 ....................... Race, Class, Gender, and Sexuality
___ SYP 2450 ....................... Global Society (GP)

Social Work Department
___ SWO 1005 ..................... Global Perspectives of Social Services (GP)

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

Chemistry Department
___ CHM 2045 & LT+ .......... 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 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 2100 .......... Interpretation of Fiction (GRW)
___ LIT 2103 .......... Interpretation of Poetry (GRW)
___ LIT 2104 .......... Interpretation of Drama (GRW)
___ LIT 2107 .......... Interpretation of Nonfiction (GRW)

Languages, Linguistics, & Comparative Literature Department
___ LIT 2100 ....................... Intro to World Literature

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).
GRW - (WAC) Writing across the curriculum class.
D   - A discussion may be 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).
§  - We strongly recommend the two additional GRW courses come from Foundations of Global Citizenship and/or Foundations of Creative Expressions. Courses include: PHI 2010, WOH 2012, LIT 2010, LIT 2030, LIT 2040, & LIT 2070. See advisor for additional details.

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 (ARA/CHI/FRE/GER/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. All students must meet the Admissions Foreign Language requirement.

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

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

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<th>Credits</th>
<th>Requirement</th>
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<tr>
<td>38</td>
<td>Intellectual Foundations Program</td>
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<tr>
<td>12</td>
<td>Free Electives (Foreign Language taken for BA count as electives)</td>
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<td>09</td>
<td>Lower-Division College Requirements</td>
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<td>24</td>
<td>Professional Education</td>
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<td>37</td>
<td>Major Content</td>
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<td><strong>120</strong></td>
<td><strong>TOTAL</strong></td>
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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

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. Submit passing scores on all sections of the General Knowledge (GK) test to the College of Education www.fl.nesinc.com
4. Meet the general university requirements for admission.
5. Complete FAU’s Intellectual Foundations Program or an AA Degree from a Florida State University or College.
6. Be interviewed and recommended for admission.
7. Be programmed by an assigned advisor.
8. 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) (3 credits)
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)
OCE 3008 Oceanography (3 credits)
CHM 3060 Chemical Literature (1 credit)
CHM 3120 + L Quantitative Analysis + Lab (4 credits)
CHM 2210 & D 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)

** Must be programmed and taken the fall/spring semester prior to student teaching.

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