SECONDARY SCIENCE CHEMISTRY EDUCATION MAJOR (2016-2017)

FOUNDATIONS OF WRITTEN COMMUNICATION
(6 credit hours required – Writing Across the Curriculum - WAC)
Grade of “C” or higher is required in each course
ENC 1101......College Writing I (REQUIRED)
ENC 1102......College Writing II +

THE FOLLOWING COURSES BELOW MAY BE SUBSTITUTED FOR ENC 1102:

English Department
ENC 1930+.....University Honors Seminar in Writing (Permit Only)
ENC 1939+.....Special Topic: College Writing
ENC 2452+.....Honors Composition for Science

Anthropology Department
ANT 1471+.....Cultural Difference in a Globalized Society

History Department
HIS 2050+......Writing History

Nursing Department (Department Permission Required)
NSP 1195+.....Being Cared For: Reflections from Other Side of Bed

Foundations of Science & the Natural World
(6 credit hours required - One of the courses must have a lab)
Student must take 2 of the following courses; 1 must be from group A.
The second course may be from group A or group B.

Group A

For Non-Science Majors-------

Biology Department
BSC 1005 & L
Life Science (3 cr. incl. Lab)
Chemistry Department
CHM 1020C
Contemporary Chemical Issues

Geosciences Department
ESC 2000 Blue Planet (online)
EVR 1001
Env. Science and Sustainability

Physics Department
AST 2002
Intro. to Astronomy (P/F)

For Science Majors--------

Biology Department
BSC 1010 & L & D
Biological Principles
(4 cr. Incl. Lab & Dis)
BSC 2085 & L
Anatomy & Physiology 1
(4 cr. Incl. Lab)

Chemistry Department
CHM 2045 & L (REQUIRED)
General Chemistry 1
(4 cr. Incl. Lab)

Physics Department
PHY 2048 & L
General Physics 1
(5 credits incl. Lab)
PHY 2053 (REQUIRED)
College Physics 1 (4 credits)

Group B

For Non-Science Majors-------

Anthropology Department
ANT 2511 & L
Intro to Biological Anthropology
(4 cr. Incl. Lab)

Chemistry Department
CHM 2032 & L
Chem. for Health Sciences
(4 credits including Lab)

Geosciences Department
GLY 2010C
History of Earth and Life
MET 2010 & D
Weather and Climate

Physics Department
PSC 2121 ...... Physical Science

For Science Majors--------

Biology Department
BSC 1011 & L & D
Biodiversity (4 cr. incl Lab & Dis)

Chemistry Department
CHM 2032 & L

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

Foundations of Mathematics & Quantitative Reasoning
(6 credit hours required – Grade of “C” or higher is required)
Student must take 2 of the following courses; 1 must be from group A.
The second course may be from group A or group B.
PRETEST IS REQUIRED BEFORE TAKING YOUR FIRST MATH COURSE

Group A

MGF 1106...... Math for Liberal Arts 1
MGF 1107...... Math for Liberal Arts 2
MAC 1105...... College Algebra (REQUIRED)
STA 2023 ...... Introductory Statistics
MAC 2311...... Calculus with Analytic Geometry 1 (4 credits)
or any mathematics course for which one of the above courses is the direct prerequisite

Group B

MAC 1140...... Precalculus Algebra
MAC 1141...... Trigonometry
MAC 1147...... Precalculus Algebra & Trigonometry (5 credits)
MAC 2233...... Methods of Calculus (REQUIRED)
MAC 2312...... Calculus with Analytic Geometry 2 (4 credits)

Foundations of Society & Human Behavior
(6 credit hours required)
Student must take 2 of the following courses; 1 must be from group A.
The second course may be from group A or group B.

Group A

History Department
AMH 2020 ...... United States History Since 1877 (P/F) (RECOMMENDED)

Anthropology Department
ANT 2000 & D. Introduction to Anthropology

Economics Department
ECO 2013 ...... Macroeconomic Principles §

Political Science Department
POS 2041...... Government of the United States

Psychology Department
PSY 1012........ Introduction to Psychology

Sociology Department
SYG 1000 ........ Sociological Perspectives (RECOMMENDED)

Group B

History Department
AMH 2010 ...... United States History to 1877 (P/F) (RECOMMENDED)

Economics Department
ECO 2023 ...... Microeconomic Principles §
ECP 2002 ...... Contemporary Economic Issues

Exceptional Student Education Department
EEX 3013 ...... Disability and Society

Geosciences Department
EVR 1702...... Environment and Society

Public Administration Department
PAD 2258 ...... Changing Environment of Soc., Bus., & Gov’t

Sociology Department
SYG 2790 ...... Race, Class, Gender, and Sexuality
SYG 2810 ...... Social Problems

Urban & Regional Planning Department
URP 2021...... Designing the City

Note: Students must take at least one course with the prefix MAC or MGF.
STUDENTS ASSUME RESPONSIBILITY FOR MEETING ALL GRADUATION REQUIREMENTS

Course selections should be made in consultation with an academic advisor.

Legend

+ - ENC 1101 is a prerequisite.
++ - Two Foundations of Written Communications classes are required before taking this course.
§ - Sophomore standing (30 credits earned) is a requirement to take this course.
* - Nursing majors are required to take this course in their first semester.
** - MAC 2311 is a prerequisite for this course. If a lab is needed, then take General Physics 1 Lab (PHY 2048 Lab).
*** - MAC 1105 and MAC 1114 are prerequisites for this course. If a lab is needed, then take General Physics 1 Lab (PHY 2048 Lab).
‡ - Co-requisite of College Algebra (MAC 1105) or a prerequisite of Introductory Chemistry (CHM 1025).

WAC - (WAC) Writing across the curriculum course.

§ Writing Across the Curriculum (WAC)/Gordon Rule
Students must attain grades of “C” or higher. 12 credits of writing (WAC) and 6 credits of mathematics are required.

Please note:
Students must take four (4) WAC courses. Two (2) courses are to be taken from Foundations of Written Communication. We strongly recommend the two additional WAC courses come from these courses: PHI 2010, WOH 2012, LIT 2010, LIT 2030, LIT 2040 and LIT 2070. See advisor for additional details.

(D) = Discussion, (L) = Lab
Courses indicating a (D) or (L) are linked with a lecture, a lab, and/or a discussion. If you select one of these courses, you must register for the lecture, lab, and/or discussion. You must attend the lecture, lab, and/or discussion.

Elective Credits

The number of elective credits allowed varies by major. Please consult with an academic advisor to determine the number of elective credits required for your major. Certain majors do not allow any electives.

P/F
Certain designated undergraduate courses may be taken for a letter grade of pass (P) or fail (F). Students must indicate the grade option preferred when registering; otherwise, a letter grade will be given. The maximum credit available to any student on the P/F option is one course per term with a maximum of 12 credits during a student’s entire course of study. This option is not available for courses in the student’s major, for students on probation, or for Engineering majors.

http://myfau.fau.edu

Go to MyFAU to:
Check e-mail
See FAU Announcements

FAU Self-Service:
Course schedules
Registration (drop/add classes) and withdrawals
Student records and financial aid
Tuition payments
The University Course Catalog
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 WAC/GRW REQUIREMENT. See the University Advising Services Office for details.

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<th>Credits</th>
<th>Requirement</th>
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<td>Intellectual Foundations Program</td>
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<td>Free Electives (Foreign Language taken for BA count as electives)</td>
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<td><strong>120</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](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](http://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