SEONARY 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 2083
Chemistry in Modern Life (P/F)

Engineering Dean Department
___ ETG 2831
Nature: Inter. of Sci., Eng., & the Humanities

Geosciences Department
___ GGY 2010C
Physical Geol. (4 cr. incl. Lab)
___ GGY 2100
History of Earth and Life

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
Chem. for Health Sciences (4 credits including Lab)

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 1114 ...... Trigonometry
___ MAC 1147 ...... Precalculus Algebra & Trigonometry (5 credits)
___ MAC 2233 ...... Methods of Calculus (REQUIRED)
___ MAC 2312 ...... Calculus with Analytic Geometry 2 (4 credits)

Philosophy Department
___ PHI 2102 ...... Logic

Note: Students must take at least one course with the prefix MAC or MGF.

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 2010 ...... 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 2020 ...... United States History to 1877 (P/F) (RECOMMENDED)

Economics Department
___ 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

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

Sociology Department
___ SYD 2790 ...... Race, Class, Gender, and Sexuality
___ SYG 2010 ...... Social Problems

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

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.

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

http://myfau.fau.edu
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.

| 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 |
| 37 credits | Major Content |
| **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](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