SECONDARY SCIENCE PHYSICS
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 SCIENCE & THE NATURAL WORLD
(13 credits required)
(Courses to be taken from 2 different departments)
(All labs and discussions are required)

Biology Department
BSC 1011 & L & D ........... Biodiversity (4 cr. incl. Lab and Discussion)
BSC 1010 & L & D ........... Biological Principles (4 cr. incl. Lab & Disc)

2 Biology OR 2 Chemistry Courses

Chemistry Department
CHM 2045 & L ............... General Chemistry I (4 credits incl. Lab)
CHM 2046 & L ............... General Chemistry II (4 credits incl. Lab)

--- FOR B.A. & B.A.E. Degree: -------------------------

Physics Department
PHY 2046 & L* ............... General Physics I (5 credits incl. Lab)

FOUNDATIONS OF MATHEMATICS & QUANTITATIVE REASONING
(Grade of "C" or higher required. 8 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 2311 Calculus with Analytic Geometry I (4 cr) (REQUIRED)
MAC 2312 Calculus with Analytic Geometry II (4 cr) (REQUIRED)
MAC 2313 Calculus with Analytic Geometry III (4 cr) (REQUIRED)

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

FOUNDATIONS IN GLOBAL CITIZENSHIP
(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
EDC 2854.................Educated Citizen in Global Context (GP)

Geography Department
GEO 2000 ...............World Geography (GP)

History Department
AMH 2010 (P/F).............United States History to 1877
AMH 2020 (P/F).............United States History Since 1877
WOH 2012 & D++...........History of Civilization II (GRW) (GP)
WOH 2222.................History of Civilization II (GP)

Languages, Linguistics, & Comparative Literature Department
LAS 2000.................Intro to Caribbean & Latin American Studies
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
SOW 1005.................Global Perspectives of Social Services (GP)

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)
LIT 2070+................Interpretation of Creative 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 2311 is a prerequisite 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 Languages, 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.

41 credits  Intellectual Foundations Program
17 credits  Free Electives (Foreign Language taken for BA count as electives)
9 credits  Lower-Division College Requirements
24 credits  Professional Education
29 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/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. Submit passing scores on all sections of the General Knowledge (GK) test to the College of Education www.fl.nesinc.com
3. Meet the general university requirements for admission.
4. Complete FAU’s Intellectual Foundations Program or an AA Degree from a Florida State University or College.
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 (17 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) – (Online Course)

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 School (3 credits)
RED 4335 Reading in the Content Areas (3 credits)
ESE 3940 Secondary School Effective Instruct (3 credits, 90 - hours plus security) **
SCE 4944 Student Teaching: Physics 6 – 12 (6 - 12 credits) (Full-time internship, completed during a fall/spring term)

PHYSICS MAJOR CONTENT (29 credits)
PHY 2049 + L General Physics II + Lab (5 credits) (Prerequisite of PHY 2048 + L & MAC 2312)
PHZ 2106 General Physics III (4 credits)
PHY 3101C Survey to Modern Physics (4 credits)
PHY 3323 Electromagnetism I (4 credits)
PHY 3722 Physical electronics (4 credits)

Upper –Division Physics and Mathematics Electives must be approved by advisor

SELECT TWO: (All courses are 4 credits each)
PHY 3503 Thermodynamics
PHY 4604 Quantum Mechanics I
PHY 3221 Classical Mechanics

** 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