

SECONDARY MATHEMATICS EDUCATION MAJOR (2008-2009) COLLEGE OF EDUCATION (BAE or BA)

COMMUNICATIONS (6 credits must earn C or better in all Gordon Rule courses)

ENC 1101	College Writing I (Gordon Rule Writing) (3 credits)
ENC 1102	College Writing II (Gordon Rule Writing) (3 credits)

MATHEMATICS (11 credits must earn C or better in all Gordon Rule courses)

Students must take math placement test before enrolling in course.

MAC 2311	Calculus w/Analytic Geometry I (4 credits) - REQUIRED
MAC 2312	Calculus w/Analytic Geometry II (4 credits) - REQUIRED
MAD 2104	Discrete Mathematics (3 credits) - REQUIRED

SOCIAL SCIENCES (9 credits, THREE courses, from 3 disciplines)

ANT 2000 (D)	Introduction to Anthropology + Discussion (3 credits) or
ANT 2410	Culture and Society (3 credits)
ECO 2023	Microeconomic Principles (3 credits) (sophomore standing is a pre-requisite) or
ECO 2013	Macroeconomic Principles (3 credits) (sophomore standing is a pre-requisite) or
ECP 2002	Contemporary Economic Issues (3 credits)
GEA 2000 (D)	World Geography + Discussion (3 credits)
INR 2002	Introduction to World Politics (3 credits) or
POS 1041	The Government of the United States (3 credits)
PAD 2258	Changing Environment of Society, Business & Government (3 credits)
PSY 1012	General Psychology (3 credits)
SYG 1000	Introductory Sociology (3 credits) or
SYG 2010	Social Problems (3 credits)

HUMANITIES (9 credits, two courses from two different departments)

LIT 2010	Interpretation of Fiction (3 credits, must earn C or higher) or
LIT 2030	Interpretation of Poetry (3 credits, must earn C or higher) or
LIT 2040	Interpretation of Drama (3 credits, must earn C or higher)
PHI 2010 (D)	Introduction to Philosophy (3 credits, must earn C or higher)
WOH 2012 (D)	History of Civilization I (3 credits, must earn C or higher)

Select One course from the following:

ARC 2208	Culture and Architecture: The Master Builder (3 credits)
ARH 2000	Art Appreciation (3 credits)
DAN 2100	Appreciation of Dance (3 credits) Pass/Fail or Grade Option
FIL 2000 (D)	Film Appreciation (3 credits)
MUL 2010	History and Appreciation of Music (3 credits)
THE 2000	Appreciation of Theater (3 credits)

SCIENCE (6 credits, two courses, (one with lab) from two different disciplines) A higher level science course may be substituted.

For non-science Majors:

ANT 2512 & L	Intro to Biological Anthropology w/lab (4 credits) (L)
AST 2002	Introduction to Astronomy (3 cr, Physics) (Pass/Fail option) (E)
BSC 1005 & L	Life Science w/lab (3 cr, Biology) (L)
CHM 1020C	Contemporary Chemical Issues (3 cr, Chemistry) (P)
CHM 2083	Chemistry in Modern Life- online course (3 cr, Chemistry) Pass/Fail Option (P)
ESC 2070	The Blue Planet (3 cr, Geology) online course (E)
GLY 2010 & L	Physical Geology/Evolution of the Earth (4 cr, Geology) (E)
GLY 2100	History of Earth/Life (3 cr, Geology) (E)
MET 2010 (D)	Weather and Climate + Discussion (3 cr, Geology) (E)
OCE 2001	Intro to Oceanography w/lab (Pass/Fail option) (3 cr/4 cr w/lab, Geology) (E)
PSC 2121	Physical Science (3 cr, Physics) (P)

FOREIGN LANGUAGE (0-8 credits, 0-2 courses college level credit same foreign language)
 FOL/FRE/GER/GRE/GRK/HBR/ITA/JPN/LAT/SPN or other approved language (0 credits-BAE, 8 credits-BA). For questions related to this requirement, consult an academic advisor.

NOTE: Native speakers of a foreign language must consult the Languages & Linguistics department

FOREIGN LANGUAGE REQUIRED FOR BA ONLY, NOT BAE, ALL students must meet the Foreign Language ADMISSION Requirement- see catalog.

CLAST: Complete or satisfy the College Level Academic Skills Test requirement. Passing scores on all sections of the General Knowledge Test, along with an overall GPA of 2.5 is required for formal admission to a College of Education teacher preparation program.

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

LOWER DIVISION COLLEGE REQUIREMENTS (21 credits)

- EDF 2005**** Introduction to Education (3 credits) (Field placement-15 hrs. plus security clearance fee)
- EDG 2701**** Teaching Diverse Students (3 credits) (Field placement-15 hrs.-plus security clearance fee)
- EME 2040** Introduction to Educational Technology (3 credits)
- Electives** (12 credits)

PROFESSIONAL EDUCATION (18 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)
- MAE 4360 Mathematics: Middle and Secondary School (3 credits)
- RED 4335 Reading in the Content Areas (3 credits)
- ESE 3940 Secondary School Effective Instruct (3 credits, **90 - hrs plus security**)

MATHEMATICS MAJOR CONTENT (22 credits)

- MAC 2313 Calculus with Analytic Geometry III (4 credits)
- MAS 2103 Matrix Theory (3 credits)
- STA 4442 Probability and Statistics I (3 credits)
- MAA 4200 Modern Analysis (3 credits)
- MAS 4301 Modern Algebra (3 credits)
- MTG 3212 Survey of Geometry (3 credits)
- MAD 2502 Intro to Computational Math **or** computer programming course (3 credits)
- Plus**
- Electives Upper Division Mathematical Sciences (15 credits)
- Final Semester**
- MAE 4945 Student Teaching: Mathematics 6 - 12 (6 credits)

44 - 52 credits	Intellectual Foundations Program, Major Requirements and Foreign Language (44 credits for BAE) (52 credits for BA, includes 8 credits Foreign Language)
15 credits	Lower Division Requirements
24 credits	Professional Education
<u>37 credits</u>	<u>Major Content</u>
120 (BAE) credits	Total
128 (BA) credits	

Elementary Education

Students assume all responsibility for meeting all graduation requirements.

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. Complete or satisfy CLAST requirement;
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, and;
7. Be approved for admission by the College of Education.