SECONDARY MATHEMATICS MAJOR (2021 – 2022)

**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:*
- ENC 1939 + .... Special Topic: College Writing
- HIS 2050 + ..... Writing History

*Note:* Students must take four Writing-Across-the-Curriculum (WAC) courses, two of which must be taken from Foundations of Written Communication.

**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.

**Group A**
- MGF 1106 ..... Math for Liberal Arts 1
- MGF 1107 ..... Math for Liberal Arts 2
- MAC 1105 ..... College Algebra
- STA 2023 ...... Introductory Statistics
- MAC 2311 ..... Calculus w/Analytic Geometry 1 (4 credits) *(REQUIRED)*

**Group B**
- COP 1034C ... Computer Programming & Data Literacy for Everyone *(For Non-College Engineering & Computer Science majors)*
- MAC 1147 ..... Precalculus Algebra & Trigonometry (4 credits)
- MAC 2210 ..... Intro Calculus w/Applications (4 credits) *(Permit Only)*
- MAC 2233 ..... Methods of Calculus
- MAC 2241 ..... Life Science Calculus 1 (4 credits)
- MAC 2312 ..... Calculus w/Analytic Geometry 2 (4 credits) *(REQUIRED)*
- PHI 2102....... Logic

**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——
  - AST 2002
  - Intro. to Astronomy *(P/F)*
  - BSC 1005 & L *(RECOMMENDED)*
  - Life Science (3 cr. w/Lab)
  - CHM 1020C
  - Contemp. Chemical Issues
  - ESC 2000
  - The Blue Planet *(online)*
  - EVR 1001
  - Env. Sci. and Sustainability

**Group B**
- For Non-Science Majors——
  - ANT 2511 & L
  - Intro to Biological Anthropology (4 cr. w/ Lab)
  - ETG 2831
  - Nature: Inter. of Sci., Eng., & the Humanities
  - GLY 2010C
  - Physical Geol. (4 cr. w/Lab)
  - GLV2100
  - History of Earth and Life
  - IDS 2382
  - Human Mission to Mars
  - MET 2010
  - Weather, Climate & Climate Change
  - PSC 2121 *(RECOMMENDED)*
  - Physical Science

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.
FOUNDATIONS IN GLOBAL CITIZENSHIP  
(6 credit hours required)  
Student must choose two (2) courses from among the following:  
____ ANT 2410 .................. Culture and Society  
____ EDF 2854 .................. Educated Citizen in Global Context  
____ GEA 2000 .................. World Geography RECOMMENDED  
____ INR 2002 .................. Introduction to World Politics  
____ LAS 2000 .................. Intro to Caribbean & Latin American Studies  
____ LIN 2607 .................. Global Perspectives on Language  
____ POT 2000 .................. Global Political Theory ±  
____ SYP 2450 .................. Global Society  
____ SOW 1005 .................. Global Perspectives of Social Services  
____ WOH 2012 & D ...... History of Civilization 1 (WAC) ++  
RECOMMENDED  
____ WOH 2022 .................. History of Civilization 2  
____ WST 2351 .................. Gender and Climate Change

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.  
± - Starting Spring 2022 and afterwards.  
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. Teacher Preparation majors will also complete a WAC course through the required EDF 2085. We strongly recommend the final WAC course be one of the following: 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.

(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.

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

https://myfau.fau.edu

University Advising Services  
December 15, 2021
FOREIGN LANGUAGE (0 - 8 credits, 1 or more courses in the same language) - REQUIRED FOR BS 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, & 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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<thead>
<tr>
<th>Credits</th>
<th>Requirement</th>
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<tbody>
<tr>
<td>38</td>
<td>Intellectual Foundations Program</td>
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<tr>
<td>09</td>
<td>Free Electives</td>
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<tr>
<td>09</td>
<td>Lower-Division College Requirements</td>
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<td>24</td>
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<tr>
<td>40</td>
<td>Major Content</td>
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<td><strong>120 CREDITS</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](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. 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)
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

NON-MAJOR/FREE ELECTIVES (09 credits minimum)
Courses in any college, any department, including Education, needed to meet the 120 credits required for graduation. Foreign language will count as an elective if taken for the BA major.

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) *(WAC)*
- 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)
- MAE 4360 Mathematics: Middle and Secondary School (3 credits)
- RED 4335 Reading in the Content Areas (3 credits)
- ESE 3940 Secondary School Effective Instruction (3 credits, 90 - hours plus security) **
- MAE 4945 Student Teaching: Mathematics 6-12 (6 – 12 credits) *(Taken in your Final Semester)*

MATHEMATICS MAJOR CONTENT (40 credits)
- MAC 2313 Calculus with Analytic Geometry III (4 credits)
- MAD 2104 Discrete Mathematics (3 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)

Electives: Upper Division Mathematical Sciences (15 credits)
*See college guide for list of approval electives

** 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:
https://www.fau.edu/education/students/livetext/students/

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.fau.edu/education/students/oass/fieldexperience/