SECONDARY MATHEMATICS MAJOR (2022 – 2023)

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)
or any mathematics course for which one of the above courses is the direct prerequisite

Group B
___ COP 1031C .......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
___ 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
___ ANT 2511 & L
Intro to Biological Anthropology (4 cr. w/ Lab)
___ ETG 2831
Nature: Inter. of Sci., Eng., & the Humanities
___ GGY 2010C
Physical Geol. (4 cr. w/Lab)
___ GGY2100
History of Earth and Life
___ IDS 2382
Human Mission to Mars
___ MET 2010
Weather, Climate & Climate Change
___ PSC 2121 RECOMMENDED
Physical Science
___ SYG 1000 ...............Sociological Perspectives RECOMMENDED

(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.

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
___ AMH 2020 & D ......United States History Since 1877 ◊ RECOMMENDED
___ ANT 2000 & D .......Introduction to Anthropology (WAC)
___ ECO 2013 ..............Macroeconomic Principles §
___ POS 2041.............Government of the United States ◊ RECOMMENDED
___ PSY 1012 ..............Introduction to Psychology
___ SYG 1000 ...............Sociological Perspectives RECOMMENDED

Group B
___ AMH 2010 & D ......United States History to 1877 RECOMMENDED
___ CCJ 2002..............Law, Crime & the Criminal Justice System ±
___ DIG 2202 ...............Digital Culture
___ ECO 2023 ...............Microeconomic Principles §
___ ECP 2002 ...............Contemporary Economic Issues
___ EEX 2091 ...............Disability and Society
___ EVR 1110.............Climate Change: The Human Dimensions
___ EVR 2017.............Environment and Society
___ LIN 2001 ...............Introduction to Language (online course)
___ PAD 2081 ...............Risk Resilience and Rising Seas ±
___ PAD 2258 ...............Changing Environment of Soc., Bus., & Gov’t
___ SYG 2010.............Social Problems
___ URP 2051 ..............Designing the City
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
___ JST 2452 ............... Global Jewish Communities Ω
___ LAS 2000 .............. Intro to Caribbean & Latin American Studies
___ LIN 2607 .............. Global Perspectives on Language
___ MUH 2121............. Music in Global Society Ω
___ POT 2000.............. Global Political Theory
___ SOW 1005 ........... Global Perspectives of Social Services
___ SOW 1130 ........ Race and Cultural Inclusion in Social Work
___ WOH 2012 & D ...... History of Civilization 1 (WAC) ++
                       RECOMMENDED
___ WOH 2022 .......... History of Civilization 2
___ WST 2351 ........... Gender and Climate Change

FOUNDATIONS OF HUMANITIES
(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

___ ARH 2000 ............ Art Appreciation
___ MUL 2010 ............ Music Appreciation
___ PHI 2010 & D ...... Introduction to Philosophy (WAC) ++
___ THE 2000 ............ Theatre Appreciation

Group B

___ ARC 2208 ............. Culture & Architecture
___ DAN 2100 .......... Appreciation of Dance
___ FIL 2000 & D ...... Film Appreciation
___ HUM 2471 .......... Racism and Anti-Racism
___ LIT 2010 .......... Interpretation of Fiction (WAC) ++
___ LIT 2030 .......... Interpretation of Poetry (WAC) ++
___ LIT 2040 .......... Interpretation of Drama (WAC) ++
___ LIT 2070 .......... Interpretation of Creative Nonfiction (WAC) ++
___ LIT 2100 .......... Introduction to World Literature
___ LIT 2931 .......... Special Topics in Literature (WAC) ++ Ω
___ SPC 2608 .......... Public Speaking ±

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
Ω - Starting Spring 2023
◊ - See information box below regarding Civic Literacy Requirement
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, LIT 2070 and LIT 2391. 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.

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https://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

https://www.fau.edu/ugstudies/civic-literacy-requirement/
Civic Literacy Requirement
Beginning in Fall 2018, students entering a Florida public institution as a degree-seeking student for the first time needs to demonstrate civic literacy through either taking a certain course (AMH 2020 or POS 2041) or passing an assessment exam. Beginning in Summer 2021, Florida Legislature amended the statute and now requires students to complete both a civic literacy course (AMH 2020 or POS 2041) and an assessment exam.
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>30</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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<tr>
<td>24</td>
<td>Professional Education</td>
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<tr>
<td>48</td>
<td>Major Content</td>
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<td><strong>120 CREDITS</strong></td>
<td>TOTAL</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 (9 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 Instruct (3 credits, 90 - hours plus security) **
- MAE 4945 Student Teaching: Mathematics 6-12 (6 – 12 credits) (Taken in your Final Semester)

MATHEMATICS MAJOR CONTENT (48 credits)
- MAC 2311 Calculus with Analytical Geometry I (4 credits)
- MAC 2312 Calculus with Analytical Geometry II (4 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/