SECONDARY MATHEMATICS MAJOR (2020 – 2021)

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 1939+.....Special Topic: College Writing
____ ENC 2452+.....Honors Composition for Science

History Department
____ 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 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 (RECOMMENDED)
Life Science (3 cr. incl. Lab)
Chemistry Department
____ CHM 1020C
Contemporary Chemical Issues
Geosciences Department
____ ESC 2000
The Blue Planet (online)
____ EVR 1001
Env. Science and Sustainability
Physics Department
____ AST 2002
Intro. to Astronomy (P/F)

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: Inters. of Sci., Eng., & the Humanities
Geosciences Department
____ GLY 2010C
Physical Geol. (4 cr. incl. Lab)
____ GLY2100
History of Earth and Life
____ MET 2010 & D
Weather and Climate
Physics Department
____ PSC 2121 (RECOMMENDED)
Physical Science

(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 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
____ STA 2023 ...... Introductory Statistics
____ MAC 2311......Calculus with Analytic Geometry 1 (4 credits) (REQUIRED)
or any mathematics course for which one of the above courses is the direct prerequisite

Group B
____ MAC 1147...... Precalculus Algebra & Trigonometry (4 credits)
____ MAC 2210...... Intro Calculus w/Applications (4 credits) (Permit Only)
____ MAC 2233 ...... Methods of Calculus
____ MAC 2312......Calculus with Analytic Geometry 2 (4 credits) (REQUIRED)

Computer Science & Engineering Department
____ COP 1034...... Computer Programming & Data Literacy for Everyone (For Non-College Engineering & Computer Science majors)

Philosophy Department
____ PHI 2102 ...... Logic

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 2020 & D.......U.S. History Since 1877 (P/F) (RECOMMENDED)

Anthropology Department
____ ANT 2000 & D......Introduction to Anthropology (WAC)

Economics Department
____ ECO 2013.........Macroeconomic Principles §

Political Science Department
____ POS 2041.............Government of the United States (RECOMMENDED)

Psychology Department
____ PSY 1012...........Introduction to Psychology

Sociology Department
____ SYG 1000 ..........Sociological Perspectives (RECOMMENDED)

Group B
History Department
____ AMH 2010 & D.......U.S. 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

Languages, Linguistics, & Comparative Literature Department
____ LIN 2001 ..........Introduction to Language (online course)

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

Sociology Department
____ SYG 2010 ..........Social Problems

Urban & Regional Planning Department
____ URP 2051..........Designing the City
FOUNDATIONS IN GLOBAL CITIZENSHIP
(6 credit hours required)
Student must choose two (2) courses from among the following:

**Anthropology Department**
___ ANT 2410 .............. Culture and Society

**Curriculum, Culture & Education Department**
___ EDF 2854 ............... Educated Citizen in Global Context

**Geosciences Department**
___ GEA 2000 .............. World Geography (RECOMMENDED)

**Political Science Department**
___ INR 2002............... Introduction to World Politics

**Languages, Linguistics, & Comparative Literature Department**
___ LAS 2000 .............. Intro to Caribbean & Latin American Studies
___ LIN 2607 .............. Global Perspectives on Language

**Sociology Department**
___ SYP 2450 .............. Global Society

**Social Work Department**
___ SOW 1005 .............. Global Perspectives of Social Services

**History Department**
___ WOH 2012 & D ...... History of Civilization 1 (WAC) ++ (RECOMMENDED)
___ WOH 2022.......... History of Civilization 2

Students 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**

**Visual Art & Art History Department**
___ ARH 2000 .............. Art Appreciation (P/F)

**Music Department**
___ MUL 2010 .............. Music Appreciation

**Philosophy Department**
___ PHI 2010 & D ...... Introduction to Philosophy (WAC) ++

**Theatre & Dance Department**
___ THE 2000 .............. Theatre Appreciation

**Group B**

**Architecture Department**
___ ARC 2208 .............. Culture & Architecture

**Theatre & Dance Department**
___ DAN 2100 .............. Appreciation of Dance

**School of Communication & Multimedia Studies**
___ FIL 2000 & D ........ Film Appreciation

**Languages, Linguistics, & Comparative Literature Department**
___ LIT 2100 .............. Introduction to World Literature

**English Department**
___ 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) ++

---

**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.

**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
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.

<table>
<thead>
<tr>
<th>Credits</th>
<th>Course Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>38</td>
<td>Intellectual Foundations Program</td>
</tr>
<tr>
<td>09</td>
<td>Free Electives</td>
</tr>
<tr>
<td>09</td>
<td>Lower-Division College Requirements</td>
</tr>
<tr>
<td>24</td>
<td>Professional Education</td>
</tr>
<tr>
<td>40</td>
<td>Major Content</td>
</tr>
<tr>
<td><strong>120 CREDITS</strong></td>
<td><strong>TOTAL</strong></td>
</tr>
</tbody>
</table>

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 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 (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/