Florida Atlantic University - Secondary Education: Mathematics 2026-2027

Students must take 2 of the following courses, 1 must be from group A. The second course may be in group A or group B.

I. Communication

(Group A)

ENC 1101	College Writing I **(WAC)**

Students must complete ENC 1101 and ENC 1102 (or one of the approved substitutes for ENC 1102) with a grade of "C" or higher in each course.

(Group B)

ENC 1102	College Writing II **(WAC)** +
ENC 2135	Research and the Writing Process **(WAC)** + Ω
HIS 2050	Writing History **(WAC)** +
SPC 2608	Public Speaking (non-WAC) **non-substitute**

II. Humanities

(Group A)

ARH 2000	Art Appreciation
HUM 2020	Introduction to Humanities
LIT 2000	Introduction to Literature **(WAC)**
MUL 2010	Music Appreciation
PHI 2010 & D	Introduction to Philosophy **(WAC)** ++
THE 2000	Theatre Appreciation

(Group B)

ARC 2208	Culture & Architecture
ARH 2050	History of Art 1
ARH 2051	History of Art 2
DAN 2100	Appreciation of Dance
FIL 2000 & D	Film Appreciation
LIN 2607	Perspectives on Language
LIT 2010	Interpretation of Fiction **(WAC)** ++
LIT 2030	Interpretation of Poetry **(WAC)** ++
LIT 2040	Interpretation of Drama **(WAC)** ++
LIT 2070	Interp. of Creative Nonfiction **(WAC)** ++
LIT 2100	Introduction to World Literature
MUH 2121	World Music
SPT 2530	Hispanic Culture and Civilization
WOH 2012 & D	History of Civilization 1 **(WAC)** ++
WOH 2022	History of Civilization 2

III. Mathematics

(Group A)

MAC 1105	College Algebra **(R)**
MAC 2311	Calc. w/Analytic Geom. 1 (4 cr.) **(Required)**

Or any mathematics course for which one of the above general education core course options in Mathematics is the direct prerequisite.

(Group B)

COP 1031C	Comp. Prog. & Data Literacy for Everyone
(For Non-College Engineering & Computer Science majors)	
MAC 1114	Trigonometry #
MAC 1140	Precalculus Algebra #
MAC 1147	Precalculus Algebra & Trigonometry (4 cr.)
MAC 2210	Intro Calculus w/App. (4 cr.) ***(Permit Only)***
MAC 2233	Methods of Calculus
MAC 2312	Calc. w/Analytic Geom. 2 (4 cr.) **(Required)**
MAP 2491	Mathematics for Biological Sciences 1
MGF 1131	Mathematical Thinking in Context 2
PHI 2102	Logic

IV. Natural Science

(Group A)

AST 2002	Introduction to Astronomy
BSC 1005 & L	Life Science (3 cr. w/Lab) **(R)**
CHM 1020C	Contemporary Chemical Issues
ESC 2000	The Blue Planet (online)
EVR 1001	Environmental Science and Sustainability
GLY 2010C & D	Phys. Geol/Evolution of the Earth (4 cr. w/Lab)
OCE 2001	Introduction to Oceanography #

Or any course in the Natural Science for which one of the above general education core course options in Natural Science is the direct prerequisite. NOTE: at least one course must have a lab from Group A or B.

(Group B)

ANT 2511 & L	Intro to Biological Anthropology (4 cr. w/Lab)
ETG 2831	Nature: Inter. of Sci., Eng., & the Humanities
GLY 2100	History of Earth and Life
IDS 2382	Human Mission to Mars
MET 2010	Introduction to Weather and Climate
PSC 2121	Physical Science **(R)**

V. Social Sciences

(Group A)

AMH 2010 & D	United States History to 1877 ◊
AMH 2020 & D	United States History Since 1877 ◊
ANT 2000 & D	Introduction to Anthropology **(WAC)**
ECO 2013	Macroeconomic Principles
POS 2041	Government of the United States ◊
PSY 1012	Introduction to Psychology

(Group B)

ANT 2100	Introduction to Archaeology Ω
CCJ 2002	Law, Crime & the Criminal Justice System
ECO 2023	Microeconomic Principles
EME 2620	Digital Literacy
EVR 1110	Human Dimensions of Environmental Change
EVR 2017	Environment and Society
GEA 2000	World Geography
INR 2002	Introduction to World Politics
LIN 2001	Introduction to Language (online)
PAD 2081	Risk & Resilience to Natural Hazards
POT 2000	Global Political Theory
SOW 1005	Perspectives of Social Services
SYO 2101	Families in the United States Ω
URP 2051	Designing the City

VI. Additional Enrichment

Choose 6 credits from Humanities, Social Science, Communication, or Natural Science subject areas.

(1) _____ (2) _____

LEGEND

+ ENC 1101 is a prerequisite.
++ Two Communication courses are required before taking this course.
§ Reserved for Wilkes Honors College & University Honors Program students only.
Ω Offered starting Fall 2026.
◊ Please visit FAU's website regarding the Civic Literacy Requirements.
(https://www.fau.edu/ugstudies/civic-literacy-requirement/)
‡ Co-requisite of MAC 1105 or a prerequisite of CHM 1025.
***** MAC 2311 is a prerequisite for this course.
****** MAC 2233 is a prerequisite for this course. If a lab is needed, then take General Physics 1 lab (PHY 2048L).
(R) – Recommended
(SR) – Strongly Recommended
The following courses are not offered at FAU but will fulfill this requirement if transferred from another school.
WAC - Writing Across the Curriculum course – minimum grade of "C" required. Students must take four WAC courses.

FOREIGN LANGUAGE (4 - 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/FRE/GER/HBR/ITA/JPN/LAT/SPN 1121) or a higher-level course. Proficiency in 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.

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 WAC/GRW REQUIREMENT. See the University Advising Services Office for details.

NOTE: See the catalog for specific requirements, course descriptions, and additional information. The requirements for some General Education (Gen Ed) courses & other courses may be satisfied by passing the appropriate AP or CLEP exam. Check with your advisor and college.

	CREDIT SUMMARY
38 – 39 cr.	**General Education (depending on science course)**
6 cr.	**Lower-Division College Requirements**
12 cr.	**Free Electives (Foreign Language taken for BA counts as electives)**
24 cr.	**Professional Education Courses (Includes 6 credits of student teaching)**
40 cr.	**Secondary Mathematics Major Content**
120 cr.	**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 https://www.fau.edu/education/students/oass/

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 https://www.fl.nesinc.com/
3. Meet the general university requirements for admission.
4. Complete General Education Requirements or an AA Degree from a Florida State University or College.
5. Be programmed by an assigned advisor.
6. Be approved for admission by the College of Education.

IMPORTANT NOTES:
Students registered in Education courses must purchase "Live Text," which is an online 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: https://www.fau.edu/education/students/oass/fieldexperience/.

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MAJOR COURSES, COLLEGE REQUIREMENTS, and ELECTIVES

NON-MAJOR/FREE ELECTIVES (12 credits)

Courses in any college, any department, including Education, are needed to meet the 120 credits required for graduation. Foreign Language will count as an elective if taken for the BS major.

LOWER DIVISION COLLEGE REQUIREMENTS (6 credits)

EDF 2005	Intro to the Teaching Profession **(15 observation hours)** (3 credits) **(WAC – starting Fall 2026)**
EME 2040	Intro to Technology for Educators (3 credits)

Professional Education Component offered in the College of 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 (3 credits)
RED 4335	Reading in the Content Areas (3 credits)
ESE 3940	Secondary School Effective Instruct (3 credits, **90 hours plus security**) **The above course must be programmed and taken fall/spring semester prior to student teaching.**
SCE 4944	Student Teaching: Mathematics 6-12 (6-12 credits) **(Taken in your Final Semester)**

MATHEMATICS MAJOR CONTENT (48 credits)

MAC 2311	Calculus with Analytic Geometry I (4 credits)
MAC 2312	Calculus with Analytic 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)
MHF 3203	Intro to Advanced Mathematics (3 credits)
STA 4442	Probability and Statistics I (3 credits)
MAS 3156	Vector Calculus (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 (12 credits) - Please see the FAU catalog for possible course prerequisites.
All courses are 3 credits unless notated otherwise.

MAS 3203	Introductory Number Theory **(R)**
MAP 3305	Engineering Mathematics I
MAD 3400	Numerical Methods **(R)**
MAD 4402	Numerical Analysis II
MHF 3404	History of Mathematics **(R)**
MHF 3302	Mathematical Logic
STA 4102	Computational Statistics I
STA 4103	Computational Statistics II
STA 4234	Applied Statistics I (2 cr.) **(R)**
--AND --	
STA 4202L	Applied Statistics I Lab (1 cr.) **(R)**
STA 4702	Applied Statistics II
MAD 4301	Graph Theory **(R)**
STA 4853	Applied Time Series and Forecasting

MAP 4303	Differential Equations II
--OR --	
MAP 4306	Engineering Mathematics II
MAA 4402	Introductory Complex Analysis **(R)**
STA 4443	Probability and Statistics II **(R)**
STA 4618	Linear Programming & Game Theory **(R)**
MAT 4937	Mathematical Problem Solving
CIS 4362	Cryptography and Information Security
MAS 4107	Linear Algebra II
MAD 4605	Introduction to Coding Theory
MTG 4930	Topics in Geometry (1 - 4 cr.)
MAT 4930	Topics in Mathematics (1 - 4 cr.)
MAT 4906	Directed Independent Study (1 - 4 cr.)
STA 4906	Directed Independent Study (1 - 4 cr.)