Florida Atlantic University - 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
MAC 2311	Calc. w/Analytic Geom. 1 (4 cr.) **(Required)**
MGF 1130	Mathematical Thinking in Context 1
STA 2023	Introductory Statistics

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)
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 #
	***** For Science Majors Below *****
BSC 1010 & L	Biological Principles (4 cr. w/Lab)
BSC 2085 & L	Anatomy & Physiology 1 (4 cr. w/Lab)
CHM 2045 & L	General Chemistry 1 (4 cr. w/Lab) ‡
PHY 2048 & L	General Physics 1 (5 cr. w/Lab) *
PHY 2053 & L	College Physics 1 (5 cr. w/Lab) **

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
	***** For Science Majors Below *****
BSC 1011 & L	Biodiversity (4 cr. w/Lab)
CHM 2032 & L	Chemistry for the Health Sci. (4 credits w/Lab)

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
SYG 1000	Sociological Perspectives
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.

GENERAL EDUCATION PROGRAM FOR STUDENTS

NOTE: Honors Seminars SHALL BE ACCEPTED AS MEETING THE WAC/GRW REQUIREMENT. See the University Advising Services Office for details.

FOREIGN LANGUAGE (4 - 8 credits, 1 or more courses in the same language)- **Required for Major**
(0 - 8 credits, 1 or more courses in the same language) – 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 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: See the catalog for specific requirements, course descriptions, and additional information. The requirements for some core curriculum & other courses may be satisfied by passing the appropriate AP or CLEP exam – check with your advisor and college. Students who enter FAU with less than 60 credit hours must complete 9 credit hours of summer coursework either at FAU or another State University System Institution. The Department of Mathematical Sciences accepts scores for Calculus AB and Calculus BC.

The Department of Mathematical Sciences has the following requirements:

1. At least 25 credits of 3000 level or above (upper division) BS Mathematics core and elective requirements must be completed at FAU
2. The math department must approve any coursework in the major field transferred from another institution
3. Any coursework in the major field transferred from another institution must be approved by the Math Department
4. The maximum amount of credit that may be earned through co-op is 10 credits; the Math Dept. does not allow these credits to count as major courses
5. The Mathematics Department requires a minimum 2.2 overall GPA for (BA) in all Mathematics courses taken at FAU
6. The Mathematics Department requires a minimum 2.5 overall GPA for (BS) in all Mathematics courses taken at FAU

Florida Atlantic University - Mathematics 2025-2026

MAJOR REQUIREMENTS

B.A. Mathematics

MAC 2311	Calc. w/Analytic Geom. 1 (4 cr.)
MAC 2312	Calc. w/Analytic Geom. 2 (4 cr.)
MAC 2313	Calc. w/Analytic Geom. 3 (4 cr.)

CREDIT SUMMARY

41 – 45 cr.	**General Education with Foreign Language**
40 cr.	**Major Core & Math Electives**
15 cr.	**Upper Division Restricted Free Electives**
20 – 24 cr.	**Free Electives**
120 credits	**TOTAL (42 credits at upper division minimum)**

NOTE: Numbers are based on common course selection. Please consult your advisor.

B.S. – Mathematical Biology

BSC 1010 & L	Biological Principles (4 cr. w/Lab)
BSC 1011 & L	Biodiversity (4 cr. w/Lab)
CHM 2045 & L	General Chemistry 1 (4 cr. w/Lab) ‡
CHM 2046 & L	General Chemistry 2 (4 cr. w/Lab)
MAC 2233	Methods of Calculus
-- OR --	
MAP 2491	Mathematics for Biological Sciences 1
-- OR --	
MAC 2311	Calc. w/Analytic Geom. 1 (4 cr.)

CREDIT SUMMARY

41 – 45 cr.	**General Education with Foreign Language**
45 cr.	**Major Core & Math Electives**
11 cr.	**Upper Division Restricted Free Electives**
19 – 23 cr.	**Free Electives**
120 credits	**TOTAL (42 credits at upper division minimum)**

NOTE: Numbers are based on common course selection. Please consult your advisor.

B.S. – Mathematical Cryptology/Pure Mathematics/Statistics and Data Science

CHM 2045 & L	General Chemistry 1 (4 cr. w/Lab) ‡
-- OR --	
PHY 2048 & L	General Physics 1 (5 cr. w/Lab) *
MAC 2311	Calc. w/Analytic Geom. 1 (4 cr.)
MAC 2312	Calc. w/Analytic Geom. 2 (4 cr.)
MAC 2313	Calc. w/Analytic Geom. 3 (4 cr.)

CREDIT SUMMARY

41 – 45 cr.	**General Education with Foreign Language**
49 cr.	**Major Core & Math Electives**
6 cr.	**Upper Division Restricted Free Electives**
20 – 24 cr.	**Free Electives**
120 credits	**TOTAL (42 credits at upper division minimum)**

NOTE: Numbers are based on common course selection. Please consult your advisor.