Florida Atlantic University - Mathematics 2024-2025

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.

Communication

(Group A)

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

(Group B)

ENC 1102	College Writing II **+**
ENC 1930	University Honors Seminar in Writing **+ §**
ENC 1939	Special Topic: College Writing **+**
HIS 2050	Writing History **+**

Humanities

(Group A)

ARH 2000	Art Appreciation
HUM 2020	Honors Introduction to Humanities **§**
LIT 2000	Honors Introduction to Literature **§**
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
FIL 2000	Honors Film Appreciation **§**
JST 2452	Global Jewish Communities
LAS 2000	Intro to Caribbean & Latin American Studies
LIN 2607	Global Perspectives on Language
LIT 2010	Interpretation of Fiction **(WAC) ++**
LIT 2030	Interpretation of Poetry **(WAC) ++**
LIT 2040	Interpretation of Drama **(WAC) ++**
LIT 2070	Inter of Creative Nonfiction **(WAC) ++**
LIT 2100	Introduction to World Literature
LIT 2931	Special Topics in Lit **(WAC) ++**
MUH 2121	Music in Global Society
SPC 2608	Public Speaking
WOH 2012 & D	History of Civilization 1 **(WAC) ++**
WOH 2022	History of Civilization 2

Mathematics

(Group A)

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

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

(Group B)

MAC 1147	Precalculus Algebra & Trigonometry (4 cr.)
MAC 2210	Intro Calculus w/Applications (4 cr.) (Permit Only)
MAC 2233	Methods of Calculus
MAC 2312	Calc w/Analytic Geometry 2 (4 cr.) ***(Required)**
MAP 2491	Math for Biologicial Sciences 1
PHI 2102	Logic

Additional Enrichment (6 credits) Choose 6 credits from Humanities, Social Science, or Natural Science

(1) _____   **(2)** _____

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
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) **‡**
GLY 2010C & D	Physical Geol/Evolution of the Earth (4 cr. w/lab)
PHY 2048 & L	General Physics 1 (5 credits w/Lab) *****
PHY 2053 & L	College Physics 1 (5 credits w/Lab) ******

Or any course in the Nat Sci. for which one of the above general education core course options in Natural Science is the direct prerequisite.

** NOTE: at least one science 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	Weather, Climate & Climate Change
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)

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 2410	Culture and Society
CCJ 2002	Law, Crime & the Criminal Justice System
DIG 2202	Digital Culture
ECO 2023	Microeconomic Principles
ECP 2002	Contemporary Economic Issues
EDF 2854	Educated Citizen in Global Context
EEX 2091	Disability and Society
EME 2620	Digital Literacy in a Globally Connected World
EVR 1110	Climate Change: The Human Dimensions
EVR 2017	Environment and Society
GEA 2000	World Geography
INR 2002	Introduction to World Politics
LIN 2001	Introduction to Language **(online)**
MAR 2142	Culture, Consumers, & the Global Mktplace
PAD 2081	Risk Resilience and Rising Seas
PAD 2258	Changing Env. of Soc., Bus., & Gov't
POT 2000	Global Political Theory
SOW 1005	Global Perspectives of Social Services
SYG 1000	Sociological Perspectives
SYG 2010	Social Problems
SYP 2450	Global Society
URP 2051	Designing the City

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.

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.	
◊	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).	
#	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 course 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 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. *NOTE* : *Native Speakers of a foreign language must consult the Languages, Linguistics, and Comparative Literature Department regarding this*

BA Mathematics	
34 - 38 cr	General Education with Foreign Language (math not included)
36 cr	Major Core
12 cr	Math Electives
18 cr	Upper Division Restricted Free Electives
22 - 26 cr	Free Electives
120 Credits	**TOTAL**

BS Mathematics	
35 - 40 cr	General Education with Foreign Language (math not included)
44 - 47 cr	Major Core
12 cr	Math Electives
12 cr	Upper Division Restricted Free Electives
9 - 17 cr	Free Electives
120 Credits	**TOTAL**

Note: Students seeking BS degree must select either CHM 2045 & Lab or PHY 2048 & Lab

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 come 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.
2. Any course work in the major field transferred from another institution must be approved by the Math Department
3. The maximum amount of credit which may be earned through co-op is 10 credits; Math Dept. does not allow these credits to count as major courses
4. The Mathematics Department requires a minimum 2.2 overall GPA for (BA) in all Mathematics courses taken at FAU
5. The Mathematics Department requires a minimum 2.5 overall GPA for (BS) in all Mathematics courses taken at FAU

Specializations within Mathematics

CHECK WITH THE MATHEMATICS DEPARTMENT FOR SPECIALIZATION AREAS AND COURSES, INCLUDING:

- Actuarial Science
- Applied Mathematics
- Statistics (minor)
- Dynamical Systems

- Combinatorics
- Pure Mathematics
- Cryptography