

FLORIDA ATLANTIC UNIVERSITY – INTELLECTUAL FOUNDATION PROGRAM 2023 – 2024

All courses are three (3) credits unless otherwise indicated. Course selections should be made in consultation with an academic advisor.

GEOSCIENCES – GEOGRAPHY FOCUS (2023-2024)

Charles E. Schmidt College of Science
Bachelor of Arts (BA)

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 (**REQUIRED**)
- ___ MAC 2311 Calculus with Analytic Geometry 1 (4 credits)
or any mathematics course for which one of the above courses is the direct prerequisite

Group B

- ___ COP 1034C 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 with Analytic Geometry 2 (4 credits)
- ___ 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

Group B

-----**For Non-Science Majors**-----

- ___ AST 2002
Intro. to Astronomy
- ___ BSC 1005 & L
Life Science (3 cr. w/Lab)
- ___ CHM 1020C
Contemp. Chemical Issues
- ___ ESC 2000
The Blue Planet (**online**)
- ___ EVR 1001
Env. Sci. and Sustainability

-----**For Non-Science Majors**-----

- ___ ANT 2511 & L
Intro to Biological Anthropology (4 cr. w/ Lab)
- ___ ETG 2831
Nature: Inter. of Sci., Eng., & the Humanities
- ___ GLY 2010C
Physical Geol. (4 cr. w/Lab)
- ___ GLY2100
History of Earth and Life
- ___ IDS 2382
Human Mission to Mars
- ___ MET 2010 (**REQUIRED**)
Weather, Climate & Climate Change
- ___ PSC 2121
Physical Science

-----**For Science Majors**-----

- ___ 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 credits w/Lab) *
- ___ PHY 2053 & L
College Physics 1 (5 credits w/Lab) **

-----**For Science Majors**-----

- ___ BSC 1011 & L
Biodiversity (4 cr. w/Lab)
- ___ CHM 2032 & L
Chem. for Health Sciences (4 credits w/Lab)

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 ◊
- ___ ANT 2000 & D Introduction to Anthropology (**WAC**)
- ___ ECO 2013 Macroeconomic Principles §
- ___ POS 2041.....Government of the United States ◊
- ___ PSY 1012 Introduction to Psychology
Highly Recommended
- ___ SYG 1000..... Sociological Perspectives
Highly Recommended

Group B

- ___ AMH 2010 & D United States History to 1877
- ___ 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
- ___ EME 2620.....Digital Literacy in a Globally Connected World ✕
- ___ 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

(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 IN GLOBAL CITIZENSHIP

(6 credit hours required)

Student must choose two (2) courses from among the following:

- ___ ANT 2410.....Culture and Society
- ___ EDF 2854Educated Citizen in Global Context
- ___ GEA 2000.....World Geography **(REQUIRED)**
- ___ INR 2002.....Introduction to World Politics
- ___ JST 2452Global Jewish Communities Ω
- ___ LAS 2000.....Intro to Caribbean & Latin American Studies
- ___ LIN 2607Global Perspectives on Language
- ___ MAR 2142Culture, Consumers and the Global Marketplace \boxtimes
- ___ MUH 2121Music in Global Society Ω
- ___ POT 2000.....Global Political Theory
- ___ SYP 2450.....Global Society
- ___ SOW 1005Global Perspectives of Social Services
- ___ SOW 1130Race and Cultural Inclusion in Social Work
- ___ WOH 2012 & D.....History of Civilization 1 **(WAC) ++**
- ___ WOH 2022.....History of Civilization 2
- ___ WST 2351Gender 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 2000Art Appreciation
- ___ MUL 2010.....Music Appreciation
- ___ PHI 2010 & D.....Introduction to Philosophy **(WAC) ++**
- ___ THE 2000Theatre Appreciation

Group B

- ___ ARC 2208.....Culture & Architecture
- ___ DAN 2100Appreciation of Dance
- ___ FIL 2000 & D.....Film Appreciation
- ___ HUM 2471Racism 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 2608Public Speaking \pm

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.
- *** - MAC 2311 is a prerequisite for this course. If a lab is needed, then take General Physics 1 Lab (PHY 2048 Lab).
- **** - MAC 2233 is a prerequisite for this course. If a lab is needed, then take General Physics 1 Lab (PHY 2048 Lab).
- \pm - Starting Spring 2022
- Ω - Starting Spring 2023
- \boxtimes - Starting Fall 2023
- $\color{red}\diamond$ - 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. We strongly recommend the two additional WAC courses come from these courses: PHI 2010, WOH 2012, LIT 2010, LIT 2030, LIT 2040, LIT 2070 and LIT 2931. See advisor for additional details.

<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

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.***

Civic Literacy Requirement

<https://www.fau.edu/ugstudies/civic-literacy-requirement/>

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 (4 - 8 credits, 1 or more courses in the same language) - **REQUIRED FOR MAJOR**

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, & Comparative Literature Department regarding this requirement.*

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

	B.A.
40 credits	Intellectual Foundations Program & Foreign Language
49 - 50 credits	Major Core
5 - 15 credits	Upper Division Electives
<u>16 - 25 credits</u>	<u>Free Electives</u>
120 CREDITS	TOTAL

NOTE: See the catalog for specific requirements, course descriptions, and additional information. The requirements for some Intellectual Foundations Program (I.F.P.) courses & other courses may be satisfied by passing the appropriate AP or CLEP exam. Check with your advisor and college.

The Geosciences Department has the following requirements:

- (1) Students must get a "C" or higher in all Sciences, Math and Cognate courses to receive major credit

Minors are available in this major -- see the catalog for details. All course selections should be made in consultation with an advisor.

MAJOR COURSES, COLLEGE REQUIREMENTS and ELECTIVES

BACHELOR OF ARTS WITH MAJOR IN GEOSCIENCES: GEOGRAPHY FOCUS

Geography Focus Core Courses (22 credits)

	GEA 2000	World Geography (3 credits)
	GEA 2200C	Intro to Physical Geography (3 credits)
	MET 2010	Weather and Climate (3 credits)
	STA 2023	Introductory Statistics (3 credits)
	GIS 3015C	Introduction to Mapping and GIS (3 credits)
	GEO 4022	Quantitative Methods (3 credits)
	GEO 4920	Geosciences Colloquium (1 credit)
	GEA 4275	Human-Env Interactions SFLA (3 credits)

Areas of Emphasis (select 33-34 credits from the emphasis areas below with a minimum of 6 credits from each emphasis)

Environmental Systems

	ESC 2000	The Blue Planet (3 credits)
	ESC 3704	Environmental Issues in Atmospheric and Earth Science (3 credits)
	GEO 4280C	Water Resources (3 credits)
	GEO 4300	Biogeography (3 credits)
	GLY 2010C	Phys. Geology/Evolution of the Earth (4 credits)
	GLY 2100	History of Earth & Life (3 credits)
	GLY 3730	Coastal & Marine Science (3 credits)
	GLY 4700C	Geomorphology (3 credits)
	GLY 4822	Hydrogeology (3 credits)

Human Systems

	EVR 3114	Climate Change: Myths, Realities and Solutions (3 credits)
	EVR 4112	Hazards, Climate and People (3 credits)
	GEA 4405	Culture & Environ of Latin America & the Caribbean (3 credits)
	GEO 4422	American Cultural Landscape (3 credits)
	GEO 4542	Tourism & Commercial Rec. (3 credits)
	GEO 4602	Urban Geography (3 credits)
	GEO 4700	Transportation & Spatial Org (3 credits)

GISciences

	GEO 4167C	Spatial Data Analysis (3 credits)
	GIS 4021C	Photogrammetry & Aerial Interpretation (3 credits)
	GIS 4035C	Remote Sensing of Env (3 credits)
	GIS 4037C	Digital Image Analysis (3 credits)
	GIS 4043C	Principles of GIS (3 credits)
	GIS 4048C	Applications in GIS (3 credits)
	GIS 4054C	Web GIS (3 credits)
	GIS 4102C	Programming in GIS (3 credits)
	GIS 4118	Geospatial Databases (3 credits)
	GIS 4138C	Geovisualization and GIS (3 credits)
	GIS 4140C	Mobile GIS and Drone Technology (3 credits)
	GLY 4832C	Intro to Hydrogeology & Aquifer Test (3 credits)

Note: A grade of C or better is required for all courses in this track.