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 - CLIMATE CHANGE FOCUS (2023-2024)

Charles E. Schmidt College of Science
Bachelor of Science (BS)

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

____ MAC 1105 ..... College Algebra
____ STA 2023 ..... Introductory Statistics **(REQUIRED)**
____ MAC 2311 ..... Calc. w/Analytic Geometry 1 (4 credits)
or any mathematics course for which one of the above courses is the direct prerequisite

Group B

____ COP 1031C .... 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 **(REQUIRED)**
____ 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

____ BSC 1010 & L **(see note)** Biological Principles (4 cr. Incl. Lab)

____ CHM 2045 & L **(Required)** General Chemistry 1 (4 cr. Incl. Lab) **ǂ**

Group B

____ BSC 1011 & L **(see note)** Biodiversity (4 cr. incl Lab)

____ MET 2010 & D **(Required)** Weather, Climate & Climate Change

NOTE: Student must select either BSC 1010 or BSC 1011 with a lab.

(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 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 **§ (Recommended)**
____ 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 **(Required)**
____ 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

FOUNDATIONS IN GLOBAL CITIZENSHIP
(6 credit hours required)
Student must choose two (2) courses from among the following:

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

STUDENTS ASSUME RESPONSIBILITY FOR MEETING ALL GRADUATION REQUIREMENTS
Course selections should be made in consultation with an academic advisor.

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 2000..... Art Appreciation
____ 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
____ HUM 2471 ..... Racism 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 2608..... Public Speaking ±

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 1105 and MAC 1114 are prerequisites for this course. If a lab is needed, then take General Physics 1 Lab (PHY 2048 Lab).
‡ - Co-requisite of College Algebra (MAC 1105) or a prerequisite of Introductory Chemistry (CHM 1025).
± - Starting Spring 2022
Ω - Starting Spring 2023
¤ - Starting Fall 2023
◊ - 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 and LIT 2070. See advisor for additional details.

https://myfau.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.S.
28 - 32 credits	Intellectual Foundations Program & Foreign Language (not including math or science)
6 credits	IFP Math
7 credits	IFP Natural Science
58 - 60 credits	Geoscience Major
15 - 21 credits	General Electives
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

Note: A grade of C or better is required for all courses in this track.
Minors are available in this major -- see the catalog for details. All course selections should be made in consultation with an advisor.

Students must meet University Requirements for Arts and Humanities, Social Science, English, and Foreign Language. Students should speak with their academic advisor for specific recommendations.

MAJOR COURSES, COLLEGE REQUIREMENTS and ELECTIVES

BACHELOR OF SCIENCE (BS) DEGREE IN GEOSCIENCES: CLIMATE CHANGE FOCUS

Core Courses (21-22 credits)

	BSC1005 & Lab **OR** BSC 1010 & Lab **OR** BSC 1011 & Lab	Life Science w/ Lab (3 credits) **OR** Biological Principles w/ Lab (4 credits) **OR** Biodiversity w/ Lab (4 credits)
	CHM 2045 & Lab	General Chemistry 1 w/ Lab (4 credits)
	ESC 2000 **OR** GEO 2200C **OR** GLY 2010C	The Blue Planet (3 credits) **OR** Intro to Physical Geography (3 credits) **OR** Physical Geology / Evolution of the Earth (4 credits)
	STA 2023	Introductory Statistics (3 credits)
	MAC 2233	Methods of Calculus (3 credits)
	GIS 3015C	Introduction to Mapping and GIS (3 credits)
	GEO 4920	Geosciences Colloquium (1 credit)
Climate Change Focus Core Courses (30 credits)		
	MET 2010	Weather, Climate and Climate Change (3 credits)
	BSC 4307	Climate Change Biology: Ecosystems to Human Health (3 credits)
	ESC 3704	Environmental Issues in Atmospheric and Earth Science (3 credits)
	EVR 1110	Climate Change: The Human Dimensions (3 credits)
	EVR 3114	Climate Change: Myths, Realities and Solutions (3 credits)
	EVR 4112	Hazards, Climate and People (3 credits)
	GEO 3342	Sea-Level Rise: Impacts and Responses (3 credits)
	GEO 4022	Quantitative Methods (3 credits)
	GIS 4035C	Remote Sensing of the Environment (3 credits)
	GIS 4043C	Principles of Geographic Information Systems (3 credits)
Geoscience & Interdisciplinary Electives (21 credits)		
	BSC 3052	Conservation Biology (3 credits)
	ECO 2023 **OR** ECO 3003	Microeconomic Principles **OR** Economic Principles and Policies (3 credits)
	ECP 4302	Environmental Economics (3 credits)
	ENV 3001C	Environmental Science and Engineering (3 credits)
	GEA 4275	RI: Human-Environmental Interactions in South Florida (3 credits)
	GEO 4167C	Spatial Data Analysis (3 credits)
	GEO 4280C	Water Resources (3 credits)
	GEO 4300	Biogeography (3 credits)
	GEO 4915	Directed Independent Research in Geosciences (1-6 credits)
	GIS 4140C	Mobile GIS and Drone Technology (3 credits)
	GLY 3730	Coastal & Marine Science (3 credits)
	GLY 4241	Environmental Geochemistry (3 credits)
	GLY 4822	Hydrogeology (3 credits)
	GLY 4905	Directed Independent Study (1-3 credits)
	INR 4054	Comparative Environmental Politics (3 credits)
	INR 4350	Global Environmental Politics and Policies (3 credits)
	PAD 4393	Disaster and Emergency Management (3 credits)
	PCB 4043	Principles of Ecology (3 credits)
	SYP 4464	Sociology of Climate and Disaster (3 credits)
	URP 4403	RI: Sustainable Cities (3 credits)
	URP 4420	Environmental Planning Methods (3 credits)
	URP 4430	Planning for Hazards/Disasters (3 credits)