

FLORIDA ATLANTIC UNIVERSITY – INTELLECTUAL FOUNDATION PROGRAM 2022 – 2023

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

GEOSCIENCES - GEOLOGY FOCUS (2022-2023)

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) **(REQUIRED)**
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
- ___ MAC 2241 Life Science Calculus 1 (4 credits)
- ___ MAC 2312 Calc. w/Analytic Geometry 2 (4 credits) **(REQUIRED)**
- ___ 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

- | | |
|--|--|
| <ul style="list-style-type: none"> ___ CHM 2045 & L (Required)
General Chemistry 1
(4 cr. Incl. Lab) ‡ ___ PHY 2048 & L (Required)
General Physics 1
(5 credits incl. Lab) * | <ul style="list-style-type: none"> ___ GLY 2010C (Required)
Physical Geol. (4 cr. incl. Lab) ___ GLY 2100 (Required)
History of Earth and Life |
|--|--|

(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
- ___ SYG 1000..... Sociological Perspectives

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
- ___ 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

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
- ___ INR 2002.....Introduction to World Politics
- ___ JST 2452Global Jewish Communities Ω
- ___ LAS 2000.....Intro to Caribbean & Latin American Studies
- ___ LIN 2607Global Perspectives on Language
- ___ 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 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 \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).
- ‡** - Co-requisite of College Algebra (MAC 1105) or a prerequisite of Introductory Chemistry (CHM 1025).
- \pm** - Starting Spring 2022
- Ω** - Starting Spring 2023
- \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 2391. 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

(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.

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 Fall 2018, students entering a Florida public institution as a degree-seeking student for the first time needs to demonstrate civic literacy through either taking a certain course (AMH 2020 or POS 2041) or passing an assessment exam. 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.	
35 - 39 credits	Intellectual Foundations Program & Foreign Language (not including Science)
08 credits	IFP Natural Science
59 credits	Geology Major Core
<u>14 - 18 credits</u>	<u>General Electives</u>
120 CREDITS	TOTAL

NOTE: Some colleges and departments have specific restrictions on course selection within the Intellectual Foundations Program (IFP), (see Lower Division College and Dept. requirements & recommended courses in the Admissions Policy section of the catalog). The requirements for some Intellectual Foundations Program courses & other courses may be satisfied by passing the appropriate AP or CLEP exam. Check with your advisor and college.

The College of Science has the following requirements:

- (1) A grade of "C" or better is required in **ALL GEOLOGY** courses as part of the minimum degree requirements,
- (2) Any course work in the major field transferred from another institution must be approved by the major dept.,
- (3) The maximum amount of credit which may be earned through co-op is 10 credits; some departments allow some of these credits to substitute for major courses, check with the department for specifics. All course selections should be made in consultation with an advisor.

MAJOR COURSES, COLLEGE REQUIREMENTS and ELECTIVES

BACHELOR OF SCIENCE (BS) DEGREE IN GEOLOGY

Students must meet University Requirements for Arts and Humanities, Social Science, English and Foreign Language.

Additional course work, such as the second introductory class, in the IFP sciences courses is strongly recommended. Students should speak with their academic advisor for specific recommendations.

Geology Focus Core Course (54 credits)

	STA 2023	Introductory Statistics (3 credits)
	MAC 2311	Calculus w/ Analytic Geometry 1 (4 credits)
	MAC 2312	Calculus w/ Analytic Geometry 2 (4 credits)
	CHM 2045 & Lab	General Chemistry 1 w/ Lab (4 credits)
	PHY 2048	General Physics 1 (4 credits)
	PHY 2049	General Physics 2 (4 credits)
	GIS 3015C	Introduction to Mapping and GIS (3 credits)
	GEO 4920	Geosciences Colloquium (1 credit)
	GLY 2010C	Phys. Geology/Evolution of the Earth (4 credits)
	GLY 2100	History of Earth & Life (3 credits)
	GLY 4200C	Mineralogy & Crystal Chem. (4 credits)
	GLY 4310C	Petrology Igneous & Met. Rocks (4 credits)
	GLY 4400C	Structural Geology (4 credits)
	GLY 4451	Solid Earth Geophysics (3 credits)
	GLY 4500C	Stratigraphy & Sedimentation (4 credits)
	GLY 4750C	Field Methods (3 credits)
	GLY 4790	Field Camp (6 credits)
	GLY 4822	Hydrogeology (3 credits)

Geology Electives (select 9 credits from the list below, 6cr of which must be at the 4000 level)

	GEO 4280C	Water Resources (3 credits)
	GIS 4043C	Principles of GIS (3 credits)
	GIS 4035C	Remote Sensing of the Environment (3 credits)
	GLY 3155	Geology of Florida (3 credits)
	GLY 3603C	Paleontology (3 credits)
	GLY 3730	Coastal & Marine Science (3 credits)
	GLY 4241	Environmental Geochemistry (3 credits)
	GLY 4700C	Geomorphology (3 credits)
	GLY 4830	Engineering Geology (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.