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)

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GEOSCIENCES - GEOLOGY FOCUS (2022-2023)

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

FOUNDATION OF GEOLGY FOCUS (2022-2023)

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

FOUNDATION 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.

FOUNDATION 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 1034 ....... 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

FOUNDATION 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
____ CHM 2045 & L (Required)
General Chemistry 1
(4 cr. Incl. Lab) ¶
____ PHY 2048 & L (Required)
General Physics 1
(5 credits incl. Lab) *

Group B
____ 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.

FOUNDATION 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 ◊
____ PST 1012 .............. Introduction to Psychology
____ SYG 1000 .............. Sociological Perspectives

Group B
____ AMH 2010 & D ...... United States History to 1877
____ CCI 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 2854 ............. Educated Citizen in Global Context
___ GEA 2000 .............. World Geography
___ INR 2002 .............. Introduction to World Politics
___ LAS 2000 .............. Intro to Caribbean & Latin American Studies
___ LIN 2607 .............. Global Perspectives on Language
___ POT 2000 .............. Global Political Theory
___ SYP 2450 .............. Global Society
___ SOW 1005 .............. Global Perspectives of Social Services
___ 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.

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).
± - Starting Spring 2022 and afterwards.
◊ - 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.

(D) = Discussion, (L) = Lab
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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.

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

https://www.fau.edu/ugstudies/civic-literacy-requirement/
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/GRW REQUIREMENT. See the University Advising Services Office for details.

<table>
<thead>
<tr>
<th>B.S.</th>
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</thead>
<tbody>
<tr>
<td>35 - 39 credits</td>
<td>Intellectual Foundations Program &amp; Foreign Language (not including Science)</td>
</tr>
<tr>
<td>08 credits</td>
<td>IFP Natural Science</td>
</tr>
<tr>
<td>59 credits</td>
<td>Geology Major Core</td>
</tr>
<tr>
<td>14 - 18 credits</td>
<td>General Electives</td>
</tr>
<tr>
<td><strong>120 CREDITS</strong></td>
<td><strong>TOTAL</strong></td>
</tr>
</tbody>
</table>

**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)

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

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

<table>
<thead>
<tr>
<th>Course</th>
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<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEO 4280C</td>
<td>Water Resources</td>
<td>3</td>
</tr>
<tr>
<td>GIS 4043C</td>
<td>Principles of GIS</td>
<td>3</td>
</tr>
<tr>
<td>GIS 4035C</td>
<td>Remote Sensing of the Environment</td>
<td>3</td>
</tr>
<tr>
<td>GLY 3155</td>
<td>Geology of Florida</td>
<td>3</td>
</tr>
<tr>
<td>GLY 3603C</td>
<td>Paleontology</td>
<td>3</td>
</tr>
<tr>
<td>GLY 3730</td>
<td>Coastal &amp; Marine Science</td>
<td>3</td>
</tr>
<tr>
<td>GLY 4241</td>
<td>Environmental Geochemistry</td>
<td>3</td>
</tr>
<tr>
<td>GLY 4700C</td>
<td>Geomorphology</td>
<td>3</td>
</tr>
<tr>
<td>GLY 4830</td>
<td>Engineering Geology</td>
<td>3</td>
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<tr>
<td>GLY 4832C</td>
<td>Intro to Hydrogeology &amp; Aquifer Test</td>
<td>3</td>
</tr>
</tbody>
</table>

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