FLORIDA ATLANTIC UNIVERSITY – INTELLECTUAL FOUNDATION PROGRAM 2021 – 2022
All courses are three (3) credits unless otherwise indicated. Course selections should be made in consultation with an academic advisor.

GEOSCIENCES - GEOLOGY FOCUS (2021-2022)

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 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 & D (see note)
Biological Principles
(4 cr. Incl. Lab & Dis)
___ CHM 2045 & L (Required)
General Chemistry 1
(4 cr. Incl. Lab) #
___ AST 2002 (Required)
Intro. to Astronomy (P/F)
___ PHY 2048 & L (see note)
General Physics 1
(5 credits incl. Lab) **
___ PHY 2053
College Physics 1 (4 credits)

Group B
___ BSC 1011 & L & D (see note)
Biodiversity (4 cr. Incl Lab & Dis)
___ GLY 2010C (Required)
Physical Geol. (4 cr. Incl. Lab)
___ GLY 2100 (Required)
History of Earth and Life
___ MET 2010 & D (Required)
Weather, Climate & Climate Change

NOTE: Student must select one course between:
BSC 1010 or BSC 1011 and PHY 2048 or PHY 2053

(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 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 (Required)
___ 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 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 ..... Calculus with Analytic Geometry 2 (4 credits)
___ PHI 2102....... Logic

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 (P/F)
___ 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 (P/F)
___ 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 2013 ...............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 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 2202 .......... History of Civilization 2  
- WST 2351 .............. Gender and Climate Change

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**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 (P/F)  
- 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 2470 .............. 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  
- SPC 2608 .............. Public Speaking ±

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**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.  
WAC - (WAC) Writing across the curriculum course.

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§ **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: ANT 2000, PHI 2010, WOH 2012, LIT 2010, LIT 2030, LIT 2040 and LIT 2070. See advisor for additional details.

(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.**

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**P/F**  
Certain designated undergraduate courses may be taken for a letter grade of pass (P) or fail (F). Students must indicate the grade option preferred when registering; otherwise, a letter grade will be given. The maximum credit available to any student on the P/F option is one course per term with a maximum of 12 credits during a student’s entire course of study. This option is not available for courses in the student’s major, for students on probation, or for Engineering majors.

**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  

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**STUDENTS ASSUME RESPONSIBILITY FOR MEETING ALL GRADUATION REQUIREMENTS**  
Course selections should be made in consultation with an academic advisor.
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.A.</th>
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<tbody>
<tr>
<td>34 - 38 credits</td>
<td>Intellectual Foundations Program &amp; Foreign Language (not including science)</td>
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<tr>
<td>07 - 09 credits</td>
<td>IFP Natural Science</td>
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<tr>
<td>44 - 46 credits</td>
<td>Geology Major Core</td>
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<tr>
<td>16 - 20 credits</td>
<td>Upper Division Free Electives</td>
</tr>
<tr>
<td>07 - 19 credits</td>
<td>Free Electives</td>
</tr>
<tr>
<td>120 CREDITS</td>
<td>TOTAL</td>
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NOTE: Some colleges and departments have specific restrictions on course selection within the Intellectual Foundations Program (I.F.P), (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. No major course may be taken pass/fail;
4. 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 ARTS (BA) DEGREE IN GEOLOGY: EARTH & SPACE SCIENCE**

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.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>BSC 1010 &amp; Lab</td>
<td>Biological Principles w/ Lab</td>
<td>4 credits</td>
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<tr>
<td>OR</td>
<td>BSC 1011 &amp; Lab</td>
<td></td>
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<tr>
<td></td>
<td>Biodiversity w/ Lab</td>
<td>4 credits</td>
</tr>
<tr>
<td>STA 2023</td>
<td>Introductory Statistics</td>
<td>3 credits</td>
</tr>
<tr>
<td>MAC 1105</td>
<td>College Algebra</td>
<td>3 credits</td>
</tr>
<tr>
<td>AST 2002</td>
<td>Introduction to Astronomy</td>
<td>3 credits</td>
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<tr>
<td>MET 2010</td>
<td>Weather, Climate &amp; Climate Change</td>
<td>3 credits</td>
</tr>
<tr>
<td>CHM 2045 &amp; Lab</td>
<td>General Chemistry 1 w/ Lab</td>
<td>4 credits</td>
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<tr>
<td>OR</td>
<td>PHY 2048</td>
<td></td>
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<tr>
<td>PHY 2053</td>
<td>General Physics 1</td>
<td>4 credits</td>
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<tr>
<td>OR</td>
<td>College Physics 1</td>
<td>4 credits</td>
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<tr>
<td>PHY 2048 Lab</td>
<td>General Physics 1 Lab</td>
<td>1 credit</td>
</tr>
<tr>
<td>GIS 3015C</td>
<td>Introduction to Mapping and GIS</td>
<td>3 credits</td>
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<tr>
<td>GEO 4920</td>
<td>Geosciences Colloquium</td>
<td>1 credit</td>
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<tr>
<td>GLY 2010C</td>
<td>Phys. Geology/Evolution of the Earth</td>
<td>4 credits</td>
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<tr>
<td>GLY 2100</td>
<td>History of Earth &amp; Life</td>
<td>3 credits</td>
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<tr>
<td>GLY 4750C</td>
<td>Field Methods</td>
<td>3 credits</td>
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**Geology Electives**

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<tr>
<th>Course Code</th>
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<th>Credits</th>
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<tbody>
<tr>
<td>AST 3110</td>
<td>Solar System Astronomy</td>
<td>3 credits</td>
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<tr>
<td>ESC 3704</td>
<td>Environmental Issues in Atmospheric and Earth Science</td>
<td>3 credits</td>
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<tr>
<td>GEO 4280C</td>
<td>Water Resources</td>
<td>3 credits</td>
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<tr>
<td>GLY 3603C</td>
<td>Paleontology</td>
<td>3 credits</td>
</tr>
<tr>
<td>GLY 3730</td>
<td>Coastal &amp; Marine Science</td>
<td>3 credits</td>
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<tr>
<td>GLY 4200C</td>
<td>Mineralogy &amp; Crystal Chem</td>
<td>4 credits</td>
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<tr>
<td>GLY 4241</td>
<td>Environmental Geochemistry</td>
<td>3 credits</td>
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<tr>
<td>GLY 4310C</td>
<td>Petrol of Ig and Met Rocks</td>
<td>4 credits</td>
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<tr>
<td>GLY 4400C</td>
<td>Structural Geology</td>
<td>4 credits</td>
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<tr>
<td>GLY 4500C</td>
<td>Stratigraphy &amp; Sedimentation</td>
<td>4 credits</td>
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<tr>
<td>GLY 4700C</td>
<td>Geomorphology</td>
<td>3 credits</td>
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<tr>
<td>GLY 4822</td>
<td>Hydrogeology</td>
<td>3 credits</td>
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*Note: A grade of C or better is required for all courses in this track.*