**FLORIDA ATLANTIC UNIVERSITY – INTELLECTUAL FOUNDATION PROGRAM 2020 – 2021**

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

**GEOSCIENCES - GEOLOGY FOCUS (2020-2021)**

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

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### 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.

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### 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.

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### 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 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

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### 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)
- 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 2258 .......... Changing Environment of Soc., Bus., & Gov’t
- SYG 2010 .......... Social Problems
- URP 2051 .......... Designing the City

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*Note:*

[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
____ 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

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 2100 ..............Music Appreciation
____ PHI 2100 & D ...........Introduction to Philosophy (WAC) ++
____ THE 2000 ...............Theatre Appreciation

Group B
____ ARC 2208 ..............Culture & Architecture
____ FIL 2000 & D ...........Film Appreciation
____ LIT 2100 ...............Introduction to World Literature
____ LIT 2100 ...............Interpretation of Fiction (WAC) ++
____ LIT 2030 ...............Interpretation of Poetry (WAC) ++
____ LIT 2040 ...............Interpretation of Drama (WAC) ++
____ LIT 2070 ...............Interpretation of Creative Nonfiction (WAC) ++

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).

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: ANT 2000, PHI 2100, WOH 2012, LIT 2100, 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.

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

https://myfau.fau.edu
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>
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<tr>
<td>07 - 09 credits</td>
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<tr>
<td>44 - 46 credits</td>
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<tr>
<td>16 - 20 credits</td>
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<tr>
<td>07 - 19 credits</td>
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<tr>
<td>120 CREDITS</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>
</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>
</tr>
<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>
</tr>
<tr>
<td>OR</td>
<td>PHY 2048</td>
<td></td>
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<tr>
<td>OR</td>
<td>PHY 2053</td>
<td></td>
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<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>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>AST 3110</td>
<td>Solar System Astronomy</td>
<td>3 credits</td>
</tr>
<tr>
<td>ESC 3704</td>
<td>Environmental Issues in Atmospheric and Earth Science</td>
<td>3 credits</td>
</tr>
<tr>
<td>GEO 4280C</td>
<td>Water Resources</td>
<td>3 credits</td>
</tr>
<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>
</tr>
<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.