FLORIDA ATLANTIC UNIVERSITY – INTELLECTUAL FOUNDATION PROGRAM 2019 – 2020
All courses are three (3) credits unless otherwise indicated. Course selections should be made in consultation with an academic advisor.

GEOSCIENCES - GEOLOGY FOCUS (2019-2020)

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:

English Department
___ ENC 1930+.....University Honors Seminar in Writing (Permit Only)
___ ENC 1939+.....Special Topic: College Writing
___ ENC 2452+.....Honors Composition for Science

Anthropology Department
___ ANT 1471+.....Cultural Difference in a Globalized Society

History Department
___ 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

Biology Department (see note)
___ BSC 1010 & L & D
___ Biological Principles
(4 cr. Incl. Lab & Dis)

Chemistry Department
___ CHM 2045 & L (Required)
___ General Chemistry 1
(4 cr. Incl. Lab) #

Physics Department
___ 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

Biology Department (see note)
___ BSC 1011 & L & D
___ Biodiversity (4 cr. incl Lab & Dis)

Geosciences Department
___ GLY 2010C (Required)
___ Physical Geol. (4 cr. incl. Lab)
___ GLY 2100 (Required)
___ History of Earth and Life
___ MET 2010 & D (Required)
___ Weather and Climate

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.

PRETEST IS REQUIRED BEFORE TAKING YOUR FIRST MATH COURSE

Group A
___ MAC 1105+.... College Algebra (Required)
___ STA 2023+..... Introductory Statistics (Required)
___ MAC 2311+..... Calc. w/Analytic Geometry 1 (4 cr.)
___ or any mathematics course for which one of the above courses is the direct prerequisite

Group B
___ MAC 1140...... Precalculus Algebra
___ MAC 1144..... Trigonometry
___ MAC 1147...... Precalculus Algebra & Trigonometry (5 credits)
___ MAC 2210...... Intro Calculus w/Applications (4 credits) (Permit Only)
___ MAC 2233..... Methods of Calculus
___ MAC 2312...... Calc. w/Analytic Geometry 2 (4 cr.)

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

History Department
___ AMH 2020 & D........ United States History Since 1877 (P/F)

Anthropology Department
___ ANT 2000 & D.......... Introduction to Anthropology

Economics Department
___ ECO 2013…………… Macroeconomic Principles §

Political Science Department
___ POS 2041…………….. Government of the United States

Psychology Department
___ PSY 1012……………. Introduction to Psychology (highly recommended)

Sociology Department
___ SYG 1000…………… Sociological Perspectives (highly recommended)

Group B

History Department
___ AMH 2010 & D…….. United States History Before 1877 (P/F)

Economics Department
___ ECO 2023…………… Microeconomic Principles §
___ ECP 2002………….. Contemporary Economic Issues

Exceptional Student Education Department
___ EEX 2091…………….. Disability and Society

Geosciences Department
___ EVR 2017…………… Environment and Society

Languages, Linguistics, & Comparative Literature Department
___ LIN 2001…………….. Introduction to Language (online course)

Public Administration Department
___ PAD 2258…………….. Changing Environment of Soc., Bus., & Gov’t

Sociology Department
___ SYG 2010…………….. Social Problems

Urban & Regional Planning Department
___ URP 2051…………….. Designing the City

PRETEST IS REQUIRED BEFORE TAKING YOUR FIRST MATH COURSE

Group A
___ MAC 1105+.... College Algebra (Required)
___ STA 2023+..... Introductory Statistics (Required)
___ MAC 2311+..... Calc. w/Analytic Geometry 1 (4 cr.)
___ or any mathematics course for which one of the above courses is the direct prerequisite

Group B
___ MAC 1140...... Precalculus Algebra
___ MAC 1144..... Trigonometry
___ MAC 1147...... Precalculus Algebra & Trigonometry (5 credits)
___ MAC 2210...... Intro Calculus w/Applications (4 credits) (Permit Only)
___ MAC 2233..... Methods of Calculus
___ MAC 2312...... Calc. w/Analytic Geometry 2 (4 cr.)

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University Advising Services
March 15, 2019

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**STUDENTS ASSUME RESPONSIBILITY FOR MEETING ALL GRADUATION REQUIREMENTS**

Course selections should be made in consultation with an academic advisor.

<table>
<thead>
<tr>
<th>Major</th>
<th>Required Courses</th>
<th>Recommended Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anthropology</td>
<td>ANT 2410 Culture and Society</td>
<td></td>
</tr>
<tr>
<td>Curriculum, Culture &amp; Education</td>
<td>EDF 2854 Educated Citizen in Global Context</td>
<td></td>
</tr>
<tr>
<td>Geosciences</td>
<td>GEA 2000 World Geography</td>
<td></td>
</tr>
<tr>
<td>Political Science</td>
<td>INR 2002 Introduction to World Politics</td>
<td></td>
</tr>
<tr>
<td>Languages, Linguistics, &amp; Comparative Literature</td>
<td>LAS 2000 Intro to Caribbean &amp; Latin American Studies</td>
<td></td>
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<tr>
<td></td>
<td>LIN 2607 Global Perspectives on Language (online course)</td>
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</tr>
<tr>
<td>Sociology</td>
<td>SYP 2450 Global Society</td>
<td></td>
</tr>
<tr>
<td>Social Work</td>
<td>SOW 1005 Global Perspectives of Social Services</td>
<td></td>
</tr>
<tr>
<td>History</td>
<td>WOH 2012 &amp; 2022 History of Civilization 1 &amp; 2</td>
<td></td>
</tr>
</tbody>
</table>

**FOUNDATIONS IN GLOBAL CITIZENSHIP**

(6 credit hours required)

Student must choose two (2) courses from among the following:

- **Anthropology Department**
  - ANT 2410 Culture and Society
- **Curriculum, Culture & Education Department**
  - EDF 2854 Educated Citizen in Global Context
- **Geosciences Department**
  - GEA 2000 World Geography
- **Political Science Department**
  - INR 2002 Introduction to World Politics
- **Languages, Linguistics, & Comparative Literature Department**
  - LAS 2000 Intro to Caribbean & Latin American Studies
  - LIN 2607 Global Perspectives on Language (online course)
- **Sociology Department**
  - SYP 2450 Global Society
- **Social Work Department**
  - SOW 1005 Global Perspectives of Social Services
- **History Department**
  - WOH 2012 & 2022 History of Civilization 1 & 2

**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.
* - Nursing majors are required to take this course in their first semester.
** - 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).
WAC - (WAC) Writing across the curriculum course.

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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

**https://myfau.fau.edu**

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**GRADES**

- A, B, C, D, E or F
- Pass (P) or Fail (F)

**STUDENT POLICIES**

- Students must choose two (2) courses from among the following:
- **Anthropology Department**
  - ANT 2410 Culture and Society
- **Curriculum, Culture & Education Department**
  - EDF 2854 Educated Citizen in Global Context
- **Geosciences Department**
  - GEA 2000 World Geography
- **Political Science Department**
  - INR 2002 Introduction to World Politics
- **Languages, Linguistics, & Comparative Literature Department**
  - LAS 2000 Intro to Caribbean & Latin American Studies
  - LIN 2607 Global Perspectives on Language (online course)
- **Sociology Department**
  - SYP 2450 Global Society
- **Social Work Department**
  - SOW 1005 Global Perspectives of Social Services
- **History Department**
  - WOH 2012 & 2022 History of Civilization 1 & 2

**GRADUATION REQUIREMENTS**

- (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
  - THE 2000 Theatre Appreciation

  **Group B**
  - ARC 2208 Culture & Architecture
  - DAN 2100 Appreciation of Dance
  - FIL 2000 Film Appreciation
  - LIT 2100 Introduction to World Literature
  - 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)

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**Section:**

- **University Advising Services**
- March 15, 2019
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>Credits</th>
<th>Course Description</th>
</tr>
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<tbody>
<tr>
<td>34 - 38</td>
<td>Intellectual Foundations Program &amp; Foreign Language (not including science)</td>
</tr>
<tr>
<td>07 - 09</td>
<td>IFP Natural Science</td>
</tr>
<tr>
<td>44 - 46</td>
<td>Geology Major Core</td>
</tr>
<tr>
<td>16 - 20</td>
<td>Upper Division Free Electives</td>
</tr>
<tr>
<td>07 - 19</td>
<td>Free Electives</td>
</tr>
<tr>
<td>120</td>
<td>TOTAL</td>
</tr>
</tbody>
</table>

B.A.

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 GEOLGY 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>
</tr>
</thead>
<tbody>
<tr>
<td>BSC 1010 &amp; Lab OR BSC 1011 &amp; Lab</td>
<td>Biological Principles w/ Lab</td>
<td>4 credits</td>
</tr>
<tr>
<td></td>
<td>Biodiversity w/ 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 and Climate</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>PHY 2048 OR PHY 2053</td>
<td>General Physics 1</td>
<td>4 credits</td>
</tr>
<tr>
<td></td>
<td>College Physics 1</td>
<td></td>
</tr>
<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>
</tr>
<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>
</tr>
<tr>
<td>GLY 4750C</td>
<td>Field Methods</td>
<td>3 credits</td>
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</tbody>
</table>

Geology Electives

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<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>
</tr>
<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>
</tr>
<tr>
<td>GLY 4310C</td>
<td>Petrol of Ig and Met Rocks</td>
<td>4 credits</td>
</tr>
<tr>
<td>GLY 4400C</td>
<td>Structural Geology</td>
<td>4 credits</td>
</tr>
<tr>
<td>GLY 4500C</td>
<td>Stratigraphy &amp; Sedimentation</td>
<td>4 credits</td>
</tr>
<tr>
<td>GLY 4700C</td>
<td>Geomorphology</td>
<td>3 credits</td>
</tr>
<tr>
<td>GLY 4822</td>
<td>Hydrogeology</td>
<td>3 credits</td>
</tr>
</tbody>
</table>

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