GEOLOGY MAJOR (2018-2019)  

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

Physics Department  
_____ PHY 2048 & L (Required)  
General Physics 1  
(5 credits incl. Lab) **  

Group B  
Geosciences Department  
_____ GLY 2010C (Required)  
Physical Geol. (4 cr. incl. Lab)  
_____ GLY 2100 (Required)  
History of Earth and Life  

Physics Department  
_____ PHY 2049 & L (Required)  
General Physics 2  
(5 credits incl. Lab) **  

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

Group B  
_____ MAC 1140 ...... Precalculus Algebra  
_____ MAC 1114 ...... Trigonometry  
_____ MAC 1147 ...... Precalculus Algebra & Trigonometry (5 credits)  
_____ MAC 2233 ...... Methods of Calculus  
_____ MAC 2312 ...... Calc. w/Analytic Geometry 2 (4 cr.) (Required)  

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  

Sociology Department  
_____ SYG 1000 .............. Sociological Perspectives  

Group B  
History Department  
_____ AMH 2010 & D ...... United States History to 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
The number of elective credits allowed varies by major.

Students assume responsibility for meeting all graduation requirements.

### 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**
  - **GEO 2000** World Geography

- **Political Science Department**
  - **INR 2002** Introduction to World Politics

- **Languages, Linguistics, & Comparative Literature Department**
  - **LING 2607** Global Perspectives on Language (online course)

- **Sociology Department**
  - **SYP 2450** Global Society

- **Social Work Department**
  - **SWO 1005** Global Perspectives of Social Services

- **History Department**
  - **WHO 2012 & D** History of Civilization 1 (WAC) ++
  - **WHO 2022** History of Civilization 2

### 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**

  - **Visual Art & Art History Department**
    - **ARTH 2000** Art Appreciation (P/F)

  - **Music Department**
    - **MUL 2010** Music Appreciation

  - **Philosophy Department**
    - **PHI 2010 & D** Introduction to Philosophy (WAC) ++

  - **Theatre & Dance Department**
    - **THE 2000** Theatre Appreciation

- **Group B**

  - **Architecture Department**
    - **ARC 2208** Culture & Architecture

  - **Theatre & Dance Department**
    - **DAN 2100** Appreciation of Dance

  - **School of Communication & Multimedia Studies**
    - **MUL 2010** Film Appreciation

  - **Languages, Linguistics, & Comparative Literature Department**
    - **LIT 2100** Introduction to World Literature

- **English Department**
  - **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) ++

### 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.

### 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, WHO 2012, LIT 2010, LIT 2030, LIT 2040 and LIT 2070. See advisor for additional details.

### 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 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

**http://myfau.fau.edu**

University Advising Services
July 20, 2018
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.

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. 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.

<table>
<thead>
<tr>
<th>B.S.</th>
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<tbody>
<tr>
<td>32 credits</td>
<td>Intellectual Foundations Program &amp; Foreign Language</td>
</tr>
<tr>
<td>81 credits</td>
<td>Geology Major (including Science &amp; Math)</td>
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<tr>
<td>7 credits</td>
<td>Electives</td>
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<tr>
<td><strong>120 CREDITS</strong></td>
<td><strong>TOTAL</strong></td>
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</table>
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.

REQUIRED LOWER DIVISION CORE:

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>MAC 2311</td>
<td>Calc. w/Analytic Geometry 1</td>
<td>4</td>
</tr>
<tr>
<td>MAC 2312</td>
<td>Calc. w/Analytic Geometry 2</td>
<td>4</td>
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<tr>
<td>STA 2032</td>
<td>Introductory Statistics</td>
<td>3</td>
</tr>
<tr>
<td>GLY 2010C</td>
<td>Physical Geology (including lab)</td>
<td>4</td>
</tr>
<tr>
<td>GLY 2100</td>
<td>History of Earth and Life</td>
<td>3</td>
</tr>
<tr>
<td>CHM 2045 &amp; Lab</td>
<td>General Chemistry I (including lab)</td>
<td>4</td>
</tr>
<tr>
<td>PHY 2048 &amp; Lab</td>
<td>General Physics 1 (including lab)</td>
<td>5</td>
</tr>
<tr>
<td>PHY 2049 &amp; Lab</td>
<td>General Physics 2 (including lab)</td>
<td>5</td>
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</table>

Subtotal: 32 credits

GEOLOGY CORE:

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>GLY 4200C</td>
<td>Mineralogy &amp; Crystal Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>GLY 4310C</td>
<td>Petrology of Igneous and Metamorphic Rocks</td>
<td>4</td>
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<tr>
<td>GLY 4500C</td>
<td>Stratigraphy &amp; Sedimentation</td>
<td>4</td>
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<tr>
<td>GLY 4400C</td>
<td>Structural Geology</td>
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<tr>
<td>GLY 4750C</td>
<td>Field Methods</td>
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<tr>
<td>GLY 4790</td>
<td>Field Camp</td>
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Subtotal: 25 credits

GEOSCIENCE CORE:

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>GIS 3015C</td>
<td>Introduction to Mapping and GIS</td>
<td>3</td>
</tr>
<tr>
<td>GLY 4451</td>
<td>Solid Earth Geophysics</td>
<td>3</td>
</tr>
<tr>
<td>GLY 4822</td>
<td>Hydrogeology</td>
<td>3</td>
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Subtotal: 9 credits

ELECTIVES:

Choose 15 credits from the following list. Nine of the 15 credits must be at the 4000 level.

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Title</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>GLY 3603C</td>
<td>Paleontology</td>
<td>3</td>
</tr>
<tr>
<td>GLY 3155C</td>
<td>Geology of Florida</td>
<td>3</td>
</tr>
<tr>
<td>GLY 3730</td>
<td>Coastal and Marine science</td>
<td>3</td>
</tr>
<tr>
<td>GIS 4035C</td>
<td>Remote Sensing of the Environment</td>
<td>3</td>
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<tr>
<td>GIS 4043C</td>
<td>Principles of GIS</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>
</tr>
<tr>
<td>GLY 4832C</td>
<td>Intro to Hydrogeology Modeling and Aquifer Testing</td>
<td>3</td>
</tr>
<tr>
<td>GEO 4280C</td>
<td>Water Resources</td>
<td>3</td>
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Subtotal: 15 credits

NOTE: A grade of “C” or better is required for all courses taken in the Geosciences Department.

NOTE: It is the student’s responsibility to complete coursework.