GEOLOGY MAJOR (2018-2019)

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.

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FOUNDATIONS OF MATHMATICS & 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 directprerequisite

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)

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 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..............Disability 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 2100 .............Social Problems
Urban & Regional Planning Department
___ URP 2051...........Designing the City
C required for your major.

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.

<table>
<thead>
<tr>
<th>Department</th>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>Anthropology Department</td>
<td>ANT 2410</td>
<td>Culture and Society</td>
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<tr>
<td>Curriculum, Culture &amp; Education Department</td>
<td>EDF 2854</td>
<td>Educated Citizen in Global Context</td>
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<tr>
<td>Geosciences Department</td>
<td>GEA 2000</td>
<td>World Geography</td>
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<tr>
<td>Political Science Department</td>
<td>INR 2002</td>
<td>Introduction to World Politics</td>
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<tr>
<td>Languages, Linguistics, &amp; Comparative Literature Department</td>
<td>LIN 2607</td>
<td>Global Perspectives on Language (online course)</td>
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<td>Sociology Department</td>
<td>SYP 2450</td>
<td>Global Society</td>
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<tr>
<td>Social Work Department</td>
<td>SOW 1005</td>
<td>Global Perspectives of Social Services</td>
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<tr>
<td>History Department</td>
<td>WOH 2012 &amp; D</td>
<td>History of Civilization 1 (WAC) ++</td>
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<td>WOH 2022</td>
<td>History of Civilization 2</td>
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STUDENTS ASSUME RESPONSIBILITY FOR MEETING ALL GRADUATION REQUIREMENTS

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

**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.

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<td>WAC</td>
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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 |
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/SPAN 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/GRWREQUIREMENT. See the University Advising Services Office for details.

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<th>B.A.</th>
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<tbody>
<tr>
<td>38 credits</td>
<td>Intellectual Foundations Program &amp; Foreign Language</td>
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<tr>
<td>37 credits</td>
<td>Geology Major</td>
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<tr>
<td>21 credits</td>
<td>Upper Division Restricted Free Electives</td>
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<tr>
<td>24 credits</td>
<td>Free Electives</td>
</tr>
<tr>
<td><strong>120 CREDITS</strong></td>
<td><strong>TOTAL</strong></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.

GEODEMY MAJOR COURSE REQUIREMENTS:

<table>
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<tr>
<th>Course Number</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>AST 2002</td>
<td>Introduction to Astronomy</td>
<td>3</td>
</tr>
<tr>
<td>GIS 3015C</td>
<td>Introduction to Mapping and GIS</td>
<td>3</td>
</tr>
<tr>
<td>GLY 2010C</td>
<td>Physical Geology/Evolution of the Earth &amp; lab</td>
<td>4</td>
</tr>
<tr>
<td>GLY 2100</td>
<td>History of Earth and Life</td>
<td>3</td>
</tr>
<tr>
<td>GLY 3730</td>
<td>Coastal and Marine science</td>
<td>3</td>
</tr>
<tr>
<td>GLY 4750C</td>
<td>Field Methods</td>
<td>3</td>
</tr>
<tr>
<td>MET 2010 &amp; D</td>
<td>Weather and Climate</td>
<td>3</td>
</tr>
</tbody>
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GEODEMY COURSES:

Choose 15 credits from the following list.

ESC 3704     Environmental Issues in Atmospheric & Earth Science 3
GLY 3155C    Geology of Florida 3
GLY 3164     Fire, Ice, & Wind: The Geologic Formation of Nat’l Parks & Monuments 3
GLY 3603C    Paleontology 3
GLY 4200C    Mineralogy & Crystal Chemistry 4
GLY 4310C    Petrology of Igneous and Metamorphic Rocks 4
GLY 4400C    Structural Geology 4
GLY 4500C    Stratigraphy & Sedimentation 4
GLY 4700C    Geomorphology 3
GLY 4822     Hydrogeology 3

Subtotal 15 – 19 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.