**GEOLOGY MAJOR**  
(2014 – 2015)  
The Charles E. Schmidt College of Science  
Bachelor of Science (BS)

### Foundations of Written Communication  
(Gordon Rule Writing (GRW), 6 credits required)  
(A grade of "C" or higher is required in each course)

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>College Writing I (REQUIRED)</td>
</tr>
<tr>
<td>ENC 1102+</td>
<td>College Writing II</td>
</tr>
</tbody>
</table>

**THE FOLLOWING COURSES CAN BE SUBSTITUTED FOR ENC 1102:**

- ANT 1471+ 
- ENC 1930
- ENC 1939
- HIS 2934+ 
- NSP 1195+ 
- PHY 2048 

*Students must take four (4) GRW Courses. Two (2) must be taken from Foundations of Written Communications. Two additional courses are REQUIRED."

### Foundations of Society & Human Behavior  
(6 credits required, select 2 courses from 2 different departments)

**Anthropology Department**

- ANT 2000 & D  
  Introduction to Anthropology (RECOMMENDED)

**Economics Department**

- ECO 203# 
  Macroeconomic Principles
- 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

**Political Science Department**

- POS 2041 
  Government of the United States

**Psychology Department**

- PSY 1012 
  General Psychology

**Public Administration Department**

- PAD 2258 
  Changing Env. of Soc., Bus., & Government

**Sociology Department**

- SYG 1000 
  Sociological Perspectives
- SYG 2010 
  Social Problems

**Urban & Regional Planning Department**

- URP 2051 
  Designing the City

### Foundations of Science & the Natural World  
(17 credits required)  
(All labs and discussions are required)

**Geology Department**

- GLY 2010C 
  Physical Geology (4 credits incl. Lab)
- GLY 2100 
  History of Earth and Life

**Chemistry Department**

- CHM 2045 & L† 
  General Chemistry I (4 credits incl. Lab)

**Physics Department**

- PHY 2043* 
  Physics for Engineers I (3 credits)
- PHY 2044 
  Physics for Engineers II (3 credits)

*OR*

- PHY 2048* 
  General Physics I (4 credits)
- PHY 2049 
  General Physics I (4 credits)

### Foundations of Mathematics & Quantitative Reasoning  
(Grade of "C" or higher required. 11 credits required)

**PRETEST IS REQUIRED BEFORE TAKING YOUR FIRST MATH CLASS**

**NOTE:** Students must take at least one course with the prefix MAC from the list below.

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>STA 2023</td>
<td>Introductory Statistics (REQUIRED)</td>
</tr>
<tr>
<td>MAC 2311</td>
<td>Calculus with Analytic Geometry I (4 cr) (REQUIRED)</td>
</tr>
<tr>
<td>MAC 2312</td>
<td>Calculus with Analytic Geometry II (4 cr) (REQUIRED)</td>
</tr>
</tbody>
</table>

*Calculus requires a solid background in Algebra and Trigonometry. If you are not ready to take Calculus the following courses will provide the necessary background:*

- MAC 1105 
  College Algebra
- MAC 1114+ 
  Trigonometry
- MAC 1140 
  Precalculus Algebra
- MAC 1147+ 
  Precalculus Algebra & Trigonometry (5 cr)

### Foundations of Global Citizenship  
(Select 2 courses from 2 different departments) (6 cr. req.)

At least 1 course must be Global Perspectives – (GP)

**Anthropology Department**

- ANT 2410 
  Culture and Society (GP)

**Curriculum, Culture, & Educational Inquiry Department**

- EDF 2854 
  Educated Citizen in Global Context (GP)

**Geography Department**

- GEA 2000 
  World Geography (GP)

**History Department**

- AMH 2010 (P/F) 
  United States History to 1877
- AMH 2020 (P/F) 
  United States History Since 1877
- WOH 2012 & D+++ 
  History of Civilization I (GRW) (GP)
- WOH 2022++ 
  History of Civilization II (GP)

**Languages, Linguistics, & Comparative Literature Department**

- LAS 2000 
  Intro to Caribbean & Latin American Studies (GP)
- LIN 2607 
  Global Perspectives on Language (GP)

**Philosophy Department**

- PHI 2010 & D+++ 
  Introduction to Philosophy (GRW)

**Political Science Department**

- INR 2002 
  Introduction to World Politics (GP)

**Sociology Department**

- SYD 2790 
  Race, Class, Gender, and Sexuality (GP)
- SYP 2450 
  Global Society (GP)

**Social Work Department**

- SOW 1005 
  Global Perspectives of Social Services (GP)

### Foundations of Creative Expression  
(6 credits req., select 2 courses from 2 different departments)

**Architecture Department**

- ARC 2208 
  Culture & Architecture

**Visual Art & Art History Department**

- ARH 2000 (P/F) 
  Art Appreciation

**School of Communication & Multimedia Studies**

- FIL 2000 & D 
  Film Appreciation

**English Department**

- LIT 2010+++ 
  Interpretation of Fiction (GRW)
- LIT 2030+++ 
  Interpretation of Poetry (GRW)
- LIT 2040+++ 
  Interpretation of Drama (GRW)
- LIT 2070+++ 
  Interpretation of Creative Nonfiction (GRW)

**Languages, Linguistics, & Comparative Literature Department**

- LIT 2100 
  Intro to World Literature

**Music Department**

- MUL 1010 
  History & Appreciation of Music

**Theatre & Dance Department**

- DAN 2100 
  Appreciation of Dance
- THE 2000 
  Appreciation of Theatre
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, and Comparative Literature Department regarding this requirement.

**NOTE:** Honors Seminars SHALL BE ACCEPTED AS MEETING THE GORDON RULE WRITING REQUIREMENT. See the University Advising Services Office for details.

**HONORS NOTE:** Students can apply for the PSYCHOLOGY HONORS PROGRAM after completion of 60 credits, and before completion of 105 credits. Students must have a 3.2 overall & Psychology GPA to be admitted and retained in the Honors track.

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**B.S.**
- 32 credits: Intellectual Foundations Program & Foreign Language
- 28 credits: Science and Math
- 49 credits: Geology Major
- 11 credits: Electives
- **120 CREDITS**: TOTAL

**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 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.

GEOLGY CORE:

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GLL 4200C</td>
<td>Mineralogy &amp; Crystal Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>GLL 4310C</td>
<td>Petrology of Igneous and Metamorphic Rocks</td>
<td>4</td>
</tr>
<tr>
<td>GLL 4500C</td>
<td>Stratigraphy &amp; Sedimentation</td>
<td>4</td>
</tr>
<tr>
<td>GLL 4400C</td>
<td>Structural Geology</td>
<td>4</td>
</tr>
<tr>
<td>GLL 4750C</td>
<td>Field Methods</td>
<td>3</td>
</tr>
<tr>
<td>GLL 4790</td>
<td>Field Camp</td>
<td>6</td>
</tr>
</tbody>
</table>

Subtotal 25 credits

GEOSCIENCE CORE:

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

Subtotal 9 credits

ELECTIVES:

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

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<tr>
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<tbody>
<tr>
<td>GLL 3603C</td>
<td>Paleontology</td>
<td>3</td>
</tr>
<tr>
<td>GLL 3155C</td>
<td>Geology of Florida</td>
<td>3</td>
</tr>
<tr>
<td>GLL 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>
</tr>
<tr>
<td>GIS 4043C</td>
<td>Principles of GIS</td>
<td>3</td>
</tr>
<tr>
<td>GLL 4241</td>
<td>Environmental Geochemistry</td>
<td>3</td>
</tr>
<tr>
<td>GLL 4700C</td>
<td>Geomorphology</td>
<td>3</td>
</tr>
<tr>
<td>GLL 4830</td>
<td>Engineering Geology</td>
<td>3</td>
</tr>
<tr>
<td>GLL 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>
</tr>
</tbody>
</table>

Subtotal 15 credits

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

NOTE: It is the students responsibility to complete 45 credits of upper division coursework.