# GEOGRAPHY MAJOR (2016-2017)

**Charls 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

### Nursing Department *(Departmental Permission Required)*  
- NSP 1195+ ..... Being Cared For: Reflections from Other Side of Bed

### 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

- **For Non-Science Majors**
  - Biology Department  
    - BSC 1005 & L  
    - Life Science (3 cr. incl. Lab)  
    - BSC 2085 & L  
    - Anatomy & Physiology 1 (4 cr. incl. Lab) *
  - Chemistry Department  
    - CHM 1020C  
    - Contemporary Chemical Issues
  - Geosciences Department  
    - ESC 2000 Blue Planet *(online)*  
    - EVR 1001  
    - Env. Science and Sustainability
  - Physics Department  
    - AST 2002  
    - Intro. to Astronomy *(P/F)*

- **For Science Majors**
  - Biology Department  
    - BSC 1010 & L & D  
    - Biological Principles (4 cr. incl. Lab & Dis)
  - Chemistry Department  
    - CHM 2045 & L  
    - General Chemistry 1 (4 cr. incl. Lab) *
  - Physics Department  
    - PHY 2048 & L  
    - General Physics 1 (5 credits incl. Lab) **  
    - PHY 2053  
    - College Physics 1 (4 credits)

#### Group B

- **For Non-Science Majors**
  - Anthropology Department  
    - ANT 2511 & L  
    - Intro to Biological Anthropology *(4 cr. Incl. Lab)*
  - Chemistry Department  
    - CHM 2032 & L  
    - Chem. for Health Sciences (4 credits including Lab)  
    - CHM 2083  
    - Chemistry in Modern Life *(P/F)*
  - Engineering Dean Department  
    - ETG 2831  
    - Nature: Inter. of Sci., Eng., & the Humanities
  - Geosciences Department  
    - GLY 2010C  
    - Physical Geol. (4 cr. incl Lab)  
    - MET 2010 & D *(Required)*  
    - History of Earth and Life
  - Physics Department  
    - PSC 2121 ..... Physical Science

- **For Science Majors**
  - Biology Department  
    - BSC 1011 & L & D  
    - Biodiversity (4 cr. incl Lab & Dis)

## 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  
- MGF 1106..... Math for Liberal Arts 1 *(not for this major)*  
- MGF 1107..... Math for Liberal Arts 2 *(not for this major)*  
- MAC 1105...... College Algebra  
- 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 1114...... Trigonometry  
- MAC 1147...... Precalculus Algebra & Trigonometry (5 credits)  
- MAC 2233...... Methods of Calculus  
- MAC 2312...... Calc. w/Analytic Geometry 2 (4 cr)

### Philosophy Department  
- PHI 2102 ......... Logic *(not for this major)*

**Note:** Students must take at least one course with the prefix MAC or MGF.

## 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 ..... 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 *(strongly recommended)*
- **Sociology Department**  
  - SYG 1000 ...... Sociological Perspectives *(strongly recommended)*

### Group B

- **History Department**  
  - AMH 2010 ..... 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**  
  - ETG 2831 ......... Environment and Society
- **Public Administration Department**  
  - PAD 2258....... Changing Environment of Soc., Bus., & Gov’t
- **Sociology Department**  
  - SYD 2790 ........ Race, Class, Gender, and Sexuality  
  - SYG 2010 ...... Social Problems
- **Urban & Regional Planning Department**  
  - URP 2051....... Designing the City
### 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 (Required)

- **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 & D: History of Civilization 1 (WAC) ++
  - WOH 2022: History of Civilization 2

STUDENTS ASSUME RESPONSIBILITY FOR MEETING ALL GRADUATION REQUIREMENTS

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

---

### 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
    - ARH 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
    - FIL 2000 & D: 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, WOH 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 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

---

http://myfau.fau.edu

---

University Advising Services

March 24, 2016
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.

- **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.

<table>
<thead>
<tr>
<th>B.A.</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>41 credits</td>
<td>Intellectual Foundations Program &amp; Foreign Language (w/out Math &amp; Science)</td>
</tr>
<tr>
<td>28 credits</td>
<td>Free Electives (9 credits must be upper division)</td>
</tr>
<tr>
<td>51 credits</td>
<td>Geography Major Courses B.S. Degree</td>
</tr>
<tr>
<td><strong>120 CREDITS</strong></td>
<td><strong>TOTAL</strong></td>
</tr>
</tbody>
</table>

**NOTE:** See the catalog for specific requirements, course descriptions, and additional information. The requirements for some Intellectual Foundations Program (I.F.P.) courses & other courses may be satisfied by passing the appropriate AP or CLEP exam. Check with your advisor and college.

The Geosciences Department has the following requirements:

1. Students must get a “C” or higher in all Sciences, Math and Cognate courses to receive major credit, and
2. No major course can be taken pass/fail.

Minors are available in this major -- see the catalog for details. All course selections should be made in consultation with an advisor.
MAJOR COURSES, COLLEGE REQUIREMENTS and ELECTIVES

CORE REQUIREMENTS FOR ALL GEOGRAPHY B.A. MAJORS (51 credit hours)

Required Lower Division Core (9 Credits, 3 courses)

<table>
<thead>
<tr>
<th>Course Type</th>
<th>Course Code</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>World Geography</td>
<td>GEA 2000</td>
<td>3</td>
</tr>
<tr>
<td>Weather and Climate</td>
<td>MET 2010 &amp; D</td>
<td>3</td>
</tr>
<tr>
<td>Intro to Physical Geography</td>
<td>GEO 2200C</td>
<td>3</td>
</tr>
</tbody>
</table>

Required Upper Division Geosciences Core (9 credits, 3 courses)

<table>
<thead>
<tr>
<th>Course Type</th>
<th>Course Code</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Introduction to Maps and GIS</td>
<td>GIS 3015C</td>
<td>3</td>
</tr>
<tr>
<td>Quantitative Methods</td>
<td>GEO 4022</td>
<td>3</td>
</tr>
<tr>
<td>Human - Environmental Interactions in South Florida</td>
<td>GEA 4275</td>
<td>3</td>
</tr>
</tbody>
</table>

STUDENTS MUST COMPLETE SIX CREDITS FROM EACH OF THE FOLLOWING THREE AREAS: (18 CREDIT HOURS)

Environmental Systems:

<table>
<thead>
<tr>
<th>Course Type</th>
<th>Course Code</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biogeography</td>
<td>GEO 4300</td>
<td>3</td>
</tr>
<tr>
<td>Coastal &amp; Marine Science</td>
<td>GLY 3730</td>
<td>3</td>
</tr>
<tr>
<td>Environmental Issues in Atmospheric &amp; Earth Science</td>
<td>ESC 3704</td>
<td>3</td>
</tr>
<tr>
<td>Geomorphology</td>
<td>GLY 4700C</td>
<td>3</td>
</tr>
<tr>
<td>Hydrogeology</td>
<td>GLY 4822</td>
<td>3</td>
</tr>
<tr>
<td>Water Resources</td>
<td>GEO 4280</td>
<td>3</td>
</tr>
</tbody>
</table>

Human Systems:

<table>
<thead>
<tr>
<th>Course Type</th>
<th>Course Code</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>American Cultural Landscape</td>
<td>GEO 4422</td>
<td>3</td>
</tr>
<tr>
<td>Europe</td>
<td>GEA 4500</td>
<td>3</td>
</tr>
<tr>
<td>Geography of Latin America</td>
<td>GEA 4405</td>
<td>3</td>
</tr>
<tr>
<td>Tourism and Commercial Recreation</td>
<td>GEO 4542</td>
<td>3</td>
</tr>
<tr>
<td>Transportation &amp; Spatial Organization</td>
<td>GEO 4700</td>
<td>3</td>
</tr>
<tr>
<td>Urban Geography</td>
<td>GEO 4602</td>
<td>3</td>
</tr>
</tbody>
</table>

GIScience:

<table>
<thead>
<tr>
<th>Course Type</th>
<th>Course Code</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Principles of GIS</td>
<td>GIS 4043C</td>
<td>3</td>
</tr>
<tr>
<td>Applications in GIS</td>
<td>GIS 4048C</td>
<td>3</td>
</tr>
<tr>
<td>Geovisualization and GIS</td>
<td>GIS 4138C</td>
<td>3</td>
</tr>
<tr>
<td>Remote Sensing of Environment</td>
<td>GIS 4035C</td>
<td>3</td>
</tr>
<tr>
<td>Digital Image Analysis</td>
<td>GIS 4037C</td>
<td>3</td>
</tr>
<tr>
<td>Programming in GIS</td>
<td>GIS 4102C</td>
<td>3</td>
</tr>
<tr>
<td>Photogrammetry &amp; Aerial Interpretation</td>
<td>GIS 4021C</td>
<td>3</td>
</tr>
<tr>
<td>Spatial Data Analysis</td>
<td>GEO 4167C</td>
<td>3</td>
</tr>
<tr>
<td>Intro to Hydrogeology &amp; Aquifer Test</td>
<td>GLY 4832C</td>
<td>3</td>
</tr>
</tbody>
</table>

Specialization in Geography

The remaining requirements for the B.A. in Geography are 15 credits of additional courses chosen from the three areas of emphasis within geography (Environmental Systems, Hyman Systems, GIScience) listed above. The courses should be selected in consultation with your advisor based on your interests and career goals.

❖ NOTE: It is the student’s responsibility to complete 51 credits of upper division coursework.