Bachelor of Science (BS)

GEOGRAPHY MAJOR (2016-2017)

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

<table>
<thead>
<tr>
<th>Biology Department</th>
<th>Ecology Department</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSC 1005 &amp; L Life Science (3 cr. incl. Lab)</td>
<td>BSC 1011 &amp; L &amp; D * Introduction to Biological Anthropology (4 cr. Incl. Lab)</td>
</tr>
<tr>
<td>BSC 2085 &amp; L Anatomy &amp; Physiology 1 (4 cr. Incl. Lab)</td>
<td>EEC 2002 Intro to Astronomy (P/F)</td>
</tr>
</tbody>
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<table>
<thead>
<tr>
<th>Chemistry Department</th>
<th>Geosciences Department</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 1020C Contemporary Chemical Issues</td>
<td>ESC 2000 Blue Planet (online)</td>
</tr>
<tr>
<td>EVR 1001 Env. Science and Sustainability</td>
<td>EVR 2017 Environmental Geology</td>
</tr>
</tbody>
</table>

Group B

<table>
<thead>
<tr>
<th>Biology Department</th>
<th>Geosciences Department</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSC 1010 &amp; L &amp; D Biological Principles (4 cr. Incl. Lab &amp; Dis)</td>
<td>GLY 2010C Physical Geol. Geol. &amp; Oceanography (4 cr. Incl. Lab)</td>
</tr>
<tr>
<td>CHM 2045 &amp; L (Required)</td>
<td>GLY 2100 History of Earth and Life</td>
</tr>
</tbody>
</table>
| General Chemistry 1 (4 cr. Incl. Lab) | MET 2010 & D (Required) \*

<table>
<thead>
<tr>
<th>Physics Department</th>
<th>Environmental Geosciences Department</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 2048 &amp; L General Physics 1</td>
<td>GLY 2100 History of Earth and Life</td>
</tr>
<tr>
<td>(5 credits incl. Lab) **</td>
<td>MET 2010 &amp; D (Required)</td>
</tr>
<tr>
<td>PHY 2053 College Physics 1 (4 credits)</td>
<td>PHY 2121 Physical Geol. Geol. &amp; Oceanography</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>History Department</th>
<th>Philosophy Department</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 1105...... College Algebra</td>
<td>PHI 2102 Logic</td>
</tr>
<tr>
<td>STA 2023...... Introductory Statistics (Required)</td>
<td></td>
</tr>
<tr>
<td>MAC 2311...... Calc. w/Analytic Geometry 1 (4 cr)</td>
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</tr>
</tbody>
</table>

Group B

<table>
<thead>
<tr>
<th>Economics Department</th>
<th>Political Science Department</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 1140...... Precalculus Algebra</td>
<td>ECO 2013 Macroeconomic Principles</td>
</tr>
<tr>
<td>MAC 1114...... Trigonometry</td>
<td>ECO 2041 Government of the United States</td>
</tr>
<tr>
<td>MAC 1147...... Precalculus Algebra &amp; Trigonometry (5 credits)</td>
<td></td>
</tr>
<tr>
<td>MAC 2233...... Methods of Calculus (Required – or higher level)</td>
<td></td>
</tr>
<tr>
<td>MAC 2312...... Calc. w/Analytic Geometry 2 (4 cr)</td>
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</tbody>
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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.

History Department
___ AMH 2010 ...... United States History Since 1877 (P/F)

Anthropology Department
___ ANT 2000 & D. Introduction to Anthropology

Economics Department
___ ECO 2033 ...... Macroeconomic Principles $ |

Psychology Department
___ PSY 1012...... Introduction to Psychology [strongly recommended]

Sociology Department
___ SYG 1000 ...... Sociological Perspectives [strongly recommended]

History Department
___ AMH 2020 ...... United States History to 1877 (P/F)

Economics Department
___ ECO 2023 ...... Microeconomic Principles $ |

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

Geosciences Department
___ EVR 2017 ...... 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

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

Note: Student must select either BSC 1010 or BSC 1011 with a lab.
**STUDENTS ASSUME RESPONSIBILITY FOR MEETING ALL GRADUATION REQUIREMENTS**

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

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### Foundations in Global Citizenship

(6 credit hours required)

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

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

### Foundations of Humanities

(6 credit hours required)

- Student must take two (2) courses, 1 must be from group A. The second course may be from group A or group B.

**Group A**

- Visual Art & Art History | ARH 2000 | Art Appreciation (P/F) |
- Music | MUL 2010 | Music Appreciation |
- Philosophy | PHI 2010 & D | Introduction to Philosophy (WAC) ++ |
- Theatre & Dance | THE 2000 | Theatre Appreciation |

**Group B**

- Architecture | ARC 2208 | Culture & Architecture |
- Theatre & Dance | DAN 2100 | Appreciation of Dance |
- School of Communication & Multimedia Studies | FIL 2000 & D | Film Appreciation |
- Languages, Linguistics, & Comparative Literature | LIT 2100 | Introduction to World Literature |
- English | 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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**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) Writing across the curriculum course.

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**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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**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.**

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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.

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**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

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

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B.S.

<table>
<thead>
<tr>
<th>Credits</th>
<th>Requirement</th>
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</thead>
<tbody>
<tr>
<td>46</td>
<td>Intellectual Foundations Program &amp; Foreign Language</td>
</tr>
<tr>
<td>23</td>
<td>Electives and/or Recommended Courses (20 credits upper division)</td>
</tr>
<tr>
<td>24</td>
<td>Geography Major Core (18 credits upper division)</td>
</tr>
<tr>
<td>27</td>
<td>Geoscience Electives</td>
</tr>
<tr>
<td><strong>120</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

BACHELOR OF SCIENCE (BS) DEGREE IN GEOGRAPHY

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 biology, physics, and chemistry is strongly recommended. Students should speak with their academic advisor for specific recommendations.

Required Lower Division Core: (14 credits)

- Biological Principles
- Biodiversity
- General Chemistry I
- Weather & Climate
- Introductory Physical Geography

OR

- BSC 1010 & lab & discussion (4 credits)
- BSC 1011 & lab & discussion (4 credits)
- CHM 2045 & lab (4 credits)
- MET 2010 & D (3 credits)
- GEO 2200C

Geography Core: (18 credits)

- Introduction to Mapping and GIS GIS 3015C (3 credits)
- Principles of GIS GIS 4043C (3 credits)
- Remote Sensing of Environment GIS 4035C (3 credits)
- Quantitative Methods GEO 4022 (3 credits)
- Biogeography GEO 4300 (3 credits)
- Human-Environmental Interactions in South Florida GEA 4275 (3 credits)

Geoscience Electives: (Choose 27 credits from the list below)

- Coastal and Marine Science GLY 3730 (3 credits)
- Environmental Issues in Atmospheric & Earth Science ESC 3704 (3 credits)
- Geomorphology GLY 4700C (3 credits)
- Hydrogeology GLY 4822 (3 credits)
- Field Methods GLY 4750C (3 credits)
- Water Resources GEO 4280C (3 credits)
- Transportation and Spatial Organization GEO 4700 (3 credits)
- Urban Geography GEO 4602 (3 credits)
- Applications in GIS GIS 4048C (3 credits)
- Geovisualization and GIS GIS 4138C (3 credits)
- Digital Image Analysis GIS 4037C (3 credits)
- Programming in GIS GIS 4102C (3 credits)
- Photogrammetry & Aerial Interpretation GIS 4021C (3 credits)
- Spatial Data Analysis GEO 4167C (3 credits)
- Intro to Hydrogeology & Aquifer Test GLY 4832C (3 credits)

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

NOTE: It is the student’s responsibility to complete 65 credits of upper division coursework.