ALL COURSES ARE THREE (3) CREDITS UNLESS OTHERWISE INDICATED. COURSE SELECTIONS SHOULD BE MADE IN CONSULTATION WITH AN ACADEMIC ADVISOR.

GEOGRAPHY MAJOR (2018-2019)

Charles E. Schmidt College of Science
Bachelor of Science (BS)

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) $

Group B
Biology Department
BSC 1011 & L & D (see note)
Biodiversity (4 cr. incl Lab & Dis)

Geosciences Department
MET 2010 & D (Required)
Weather and Climate

Note: Student must select either BSC 1010 or BSC 1011 with a 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 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)
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 (Required – or higher level)
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 ...............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

Note: Students must select either BSC 1010 or BSC 1011 with a lab.
**Foundations in Global Citizenship**

- Required for your major.
- Course selections should be made in consultation with an academic advisor.

- **Anthropology Department**
  - **ANT 2410** ... Culture and Society

- **Curriculum, Culture & Education Department**
  - **EDF 2854** ... Educated Citizen in Global Context

- **Geosciences Department**
  - **GEO 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** ... Social Services

- **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**

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.

<table>
<thead>
<tr>
<th>Course Selections</th>
<th>Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Anthropology</strong></td>
<td>(D) = Discussion, (L) = Lab</td>
</tr>
<tr>
<td><strong>Curriculum</strong></td>
<td>+</td>
</tr>
<tr>
<td><strong>Geosciences</strong></td>
<td>++</td>
</tr>
<tr>
<td><strong>Political Science</strong></td>
<td>§</td>
</tr>
<tr>
<td><strong>Languages</strong></td>
<td>*</td>
</tr>
<tr>
<td><strong>Sociology</strong></td>
<td>**</td>
</tr>
<tr>
<td><strong>Social Work</strong></td>
<td>***</td>
</tr>
<tr>
<td><strong>History</strong></td>
<td>†</td>
</tr>
</tbody>
</table>

**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.

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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** (WAC) Writing across the curriculum course.

**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

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http://myfau.fau.edu

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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.

<table>
<thead>
<tr>
<th>B.S.</th>
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</thead>
<tbody>
<tr>
<td>38 credits</td>
<td>Intellectual Foundations Program &amp; Foreign Language</td>
</tr>
<tr>
<td>23 credits</td>
<td>Free Electives</td>
</tr>
<tr>
<td>59 credits</td>
<td>Geoscience Major</td>
</tr>
<tr>
<td>120 CREDITS</td>
<td>TOTAL</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)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biological Principles</td>
<td>4 credits</td>
</tr>
<tr>
<td>Biodiversity</td>
<td>4 credits</td>
</tr>
<tr>
<td>General Chemistry I</td>
<td>4 credits</td>
</tr>
<tr>
<td>Weather &amp; Climate</td>
<td>3 credits</td>
</tr>
<tr>
<td>Introductory Physical Geography</td>
<td>3 credits</td>
</tr>
</tbody>
</table>

Geography Core: (18 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Introduction to Mapping and GIS</td>
<td>3 credits</td>
</tr>
<tr>
<td>Principles of GIS</td>
<td>3 credits</td>
</tr>
<tr>
<td>Remote Sensing of Environment</td>
<td>3 credits</td>
</tr>
<tr>
<td>Quantitative Methods</td>
<td>3 credits</td>
</tr>
<tr>
<td>Biogeography</td>
<td>3 credits</td>
</tr>
<tr>
<td>Human-Environmental Interactions in South Florida</td>
<td>3 credits</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coastal and Marine Science</td>
<td>3 credits</td>
</tr>
<tr>
<td>Environmental Issues in Atmospheric &amp; Earth Science</td>
<td>3 credits</td>
</tr>
<tr>
<td>Geomorphology</td>
<td>3 credits</td>
</tr>
<tr>
<td>Hydrogeology</td>
<td>3 credits</td>
</tr>
<tr>
<td>Field Methods</td>
<td>3 credits</td>
</tr>
<tr>
<td>Water Resources</td>
<td>3 credits</td>
</tr>
<tr>
<td>Transportation and Spatial Organization</td>
<td>3 credits</td>
</tr>
<tr>
<td>Urban Geography</td>
<td>3 credits</td>
</tr>
<tr>
<td>Applications in GIS</td>
<td>3 credits</td>
</tr>
<tr>
<td>Geovisualization and GIS</td>
<td>3 credits</td>
</tr>
<tr>
<td>Digital Image Analysis</td>
<td>3 credits</td>
</tr>
<tr>
<td>Programming in GIS</td>
<td>3 credits</td>
</tr>
<tr>
<td>Photogrammetry &amp; Aerial Interpretation</td>
<td>3 credits</td>
</tr>
<tr>
<td>Spatial Data Analysis</td>
<td>3 credits</td>
</tr>
<tr>
<td>Intro to Hydrogeology &amp; Aquifer Test</td>
<td>3 credits</td>
</tr>
</tbody>
</table>

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

It is the student’s responsibility to complete coursework.