### GEOSCIENCES – GEOGRAPHY FOCUS (2022-2023)

**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:**

- ENC 1939 + ....Special Topic: College Writing
- 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**

- AST 2002 Intro. to Astronomy
- BSC 1005 & L Life Science (3 cr. w/Lab)
- CHM 1020C Contemp. Chemical Issues
- ESC 2000 The Blue Planet (online)
- EVR 1001 Env. Sci. and Sustainability

**Group B**

- BSC 1011 & L & D Biological Principles (4 cr. w/Lab & Dis)
- BSC 2085 & L Anatomy & Physiology 1 (4 cr. w/Lab)
- CHM 2045 & L General Chemistry 1 (4 cr. w/Lab) ±
- PHY 2048 & L General Physics 1 (5 credits w/Lab) *
- PHY 2053 & L College Physics 1 (5 credits w/Lab) **

**For Non-Science Majors**

- ANT 2511 & L Intro to Biological Anthropology (4 cr. w/ Lab)
- ETG 2831 Nature: Inter. of Sci., Eng., & the Humanities
- GLY 2100C Physical Geol. (4 cr. w/Lab)
- IDS 2382 History of Earth and Life
- MET 2010 (REQUIRED) Human Mission to Mars

**For Science Majors**

- BSC 1011 & L & D Biodiversity (4 cr. w/Lab & Dis)
- CHM 2032 & L Chem. for Health Sciences (4 credits w/Lab)

### 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
- MGF 1107 ..... Math for Liberal Arts 2
- MAC 1105 ..... College Algebra
- STA 2023 ...... Introductory Statistics (REQUIRED)
- MAC 2311 .... Calculus with Analytic Geometry 1 (4 credits)
  or any mathematics course for which one of the above courses is the direct prerequisite

**Group B**

- COP 1034C .... Computer Programming & Data Literacy for Everyone (For Non-College Engineering & Computer Science majors)
- MAC 1147 ..... Precalculus Algebra & Trigonometry (4 credits)
- MAC 2210 ..... Intro Calculus w/Applications (4 credits) (Permit Only)
- MAC 2233 ..... Methods of Calculus
- MAC 2241 ..... Life Science Calculus 1 (4 credits)
- MAC 2312 ..... Calculus with Analytic Geometry 2 (4 credits)
- PHI 2102...... Logic

### 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**

- AMH 2020 & D .... United States History Since 1877 ♦
- ANT 2000 & D ...... Introduction to Anthropology (WAC)
- ECO 2013 ............ Macroeconomic Principles §
- ECO 2023 ............ Microeconomic Principles §
- POS 2041 ............. Government of the United States ♦
- PSY 1012 ............. Introduction to Psychology

Highly Recommended

- SYG 1000 ............. Sociological Perspectives
Highly Recommended

**Group B**

- AMH 2010 & D .... United States History to 1877
- CCJ 2002 .......... Law, Crime & the Criminal Justice System ±
- DIG 2202 .......... Digital Culture
- ECO 2023 ............ Microeconomic Principles §
- ECP 2002 .......... Contemporary Economic Issues
- EEX 2091 ............ Disability and Society
- EVR 1110 .......... Climate Change: The Human Dimensions
- EVR 2017 ............ Environment and Society
- LIN 2001 .......... Introduction to Language (online course)
- PAD 2081 .......... Risk Resilience and Rising Seas ±
- PAD 2258 .......... Changing Environment of Soc., Bus., & Gov’t
- SYG 2010 .......... Social Problems
- URP 2051 .......... Designing the City
**FOUNDATIONS IN GLOBAL CITIZENSHIP**

(6 credit hours required)

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

- **ANT 2410** ............... Culture and Society
- **EDF 2854** ............... Educated Citizen in Global Context
- **GEA 2000** ............... World Geography *(REQUIRED)*
- **INR 2002** ............... Introduction to World Politics
- **JST 2452** ............... Global Jewish Communities
- **LAS 2000** ............... Intro to Caribbean & Latin American Studies
- **LIN 2607** ............... Global Perspectives on Language
- **MUH 2121** ............... Music in Global Society *(REQUIRED)*
- **POT 2000** ............... Global Political Theory
- **SYP 2450** ............... Global Society
- **SOW 1005** ............... Global Perspectives of Social Services
- **SOW 1130** ............... Race and Cultural Inclusion in Social Work
- **WOH 2012 & D** .......... History of Civilization 1 *(WAC)++*
- **WOH 2022** ............... History of Civilization 2
- **WST 2351** ............... Gender and Climate Change

**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**

- **ARH 2000** ............... Art Appreciation
- **MUL 2010** ............... Music Appreciation
- **PHI 2010 & D** .......... Introduction to Philosophy *(WAC)++*
- **THE 2000** ............... Theatre Appreciation

**Group B**

- **ARC 2208** ............... Culture & Architecture
- **DAN 2100** ............... Appreciation of Dance
- **FIL 2000 & D** .......... Film Appreciation
- **HUM 2471** ............... Racism and Anti-Racism
- **LIT 2010** ................ Interpreta�on of Fiction *(WAC)++*
- **LIT 2030** ................ Interpretation of Poetry *(WAC)++*
- **LIT 2040** ................ Interpretation of Drama *(WAC)++*
- **LIT 2070** ................ Interpretation of Creative Nonfiction *(WAC)++*
- **LIT 2100** ............... Introduction to World Literature
- **LIT 2931** ................ Special Topics in Literature *(WAC)++ Ω*
- **SPC 2608** ............... Public Speaking ±

**STUDENTS ASSUME RESPONSIBILITY FOR MEETING ALL GRADUATION REQUIREMENTS**

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

**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.
- * - MAC 2311 is a prerequisite for this course. If a lab is needed, then take General Physics 1 Lab (PHY 2048 Lab).
- **++** - MAC 2233 is a prerequisite for this course. If a lab is needed, then take General Physics 1 Lab (PHY 2048 Lab).
- ± - Starting Spring 2022
- Ω - Starting Spring 2023
- ◊ - See information box below regarding Civic Literacy Requirement
- (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, Lit 2070 and Lit 2931. 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.**

**Civic Literacy Requirement**

https://www.fau.edu/ugstudies/civic-literacy-requirement/

Beginning in Fall 2018, students entering a Florida public institution as a degree-seeking student for the first time needs to demonstrate civic literacy through either taking a certain course (AMH 2020 or POS 2041) or passing an assessment exam. Beginning in Summer 2021, Florida Legislature amended the statute and now requires students to complete **both** a civic literacy course (AMH 2020 or POS 2041) and an assessment exam.
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.A.</th>
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<tbody>
<tr>
<td>40 credits</td>
<td>Intellectual Foundations Program &amp; Foreign Language</td>
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<tr>
<td>49 - 50 credits</td>
<td>Major Core</td>
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<tr>
<td>5 - 15 credits</td>
<td>Upper Division Electives</td>
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<tr>
<td>16 - 25 credits</td>
<td>Free Electives</td>
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<tr>
<td>120 CREDITS</td>
<td>TOTAL</td>
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**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

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 ARTS WITH MAJOR IN GEOSCIENCES: GEOGRAPHY FOCUS

Geography Focus Core Courses (22 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>GEA 2000</td>
<td>World Geography</td>
<td>3</td>
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<tr>
<td>GEA 2200C</td>
<td>Intro to Physical Geography</td>
<td>3</td>
</tr>
<tr>
<td>MET 2010</td>
<td>Weather and Climate</td>
<td>3</td>
</tr>
<tr>
<td>STA 2023</td>
<td>Introductory Statistics</td>
<td>3</td>
</tr>
<tr>
<td>GIS 3015C</td>
<td>Introduction to Mapping and GIS</td>
<td>3</td>
</tr>
<tr>
<td>GEO 4022</td>
<td>Quantitative Methods</td>
<td>3</td>
</tr>
<tr>
<td>GEO 4920</td>
<td>Geosciences Colloquium</td>
<td>1</td>
</tr>
<tr>
<td>GEA 4275</td>
<td>Human-Env Interactions SFLA</td>
<td>3</td>
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</table>

Areas of Emphasis (select 33-34 credits from the emphasis areas below with a minimum of 6 credits from each emphasis)

Environmental Systems

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ESC 2000</td>
<td>The Blue Planet</td>
<td>3</td>
</tr>
<tr>
<td>ESC 3704</td>
<td>Environmental Issues in Atmospheric and Earth Science</td>
<td>3</td>
</tr>
<tr>
<td>GEO 4280C</td>
<td>Water Resources</td>
<td>3</td>
</tr>
<tr>
<td>GEO 4300</td>
<td>Biogeography</td>
<td>3</td>
</tr>
<tr>
<td>GLY 2010C</td>
<td>Phys. Geology/Evolution of the Earth</td>
<td>4</td>
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<tr>
<td>GLY 2100</td>
<td>History of Earth &amp; Life</td>
<td>3</td>
</tr>
<tr>
<td>GLY 3730</td>
<td>Coastal &amp; Marine Science</td>
<td>3</td>
</tr>
<tr>
<td>GLY 4700C</td>
<td>Geomorphology</td>
<td>3</td>
</tr>
<tr>
<td>GLY 4822</td>
<td>Hydrogeology</td>
<td>3</td>
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Human Systems

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<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>EVR 3114</td>
<td>Climate Change: Myths, Realities and Solutions</td>
<td>3</td>
</tr>
<tr>
<td>EVR 4112</td>
<td>Hazards, Climate and People</td>
<td>3</td>
</tr>
<tr>
<td>GEO 4405</td>
<td>Culture &amp; Envirion of Latin America &amp; the Caribbean</td>
<td>3</td>
</tr>
<tr>
<td>GEO 4422</td>
<td>American Cultural Landscape</td>
<td>3</td>
</tr>
<tr>
<td>GEO 4542</td>
<td>Tourism &amp; Commercial Rec.</td>
<td>3</td>
</tr>
<tr>
<td>GEO 4602</td>
<td>Urban Geography</td>
<td>3</td>
</tr>
<tr>
<td>GEO 4700</td>
<td>Transportation &amp; Spatial Org</td>
<td>3</td>
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GISciences

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<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>GEO 4167C</td>
<td>Spatial Data Analysis</td>
<td>3</td>
</tr>
<tr>
<td>GIS 4021C</td>
<td>Photogrammetry &amp; Aerial Interpretation</td>
<td>3</td>
</tr>
<tr>
<td>GIS 4035C</td>
<td>Remote Sensing of Env</td>
<td>3</td>
</tr>
<tr>
<td>GIS 4037C</td>
<td>Digital Image Analysis</td>
<td>3</td>
</tr>
<tr>
<td>GIS 4043C</td>
<td>Principles of GIS</td>
<td>3</td>
</tr>
<tr>
<td>GIS 4048C</td>
<td>Applications in GIS</td>
<td>3</td>
</tr>
<tr>
<td>GIS 4054C</td>
<td>Web GIS</td>
<td>3</td>
</tr>
<tr>
<td>GIS 4102C</td>
<td>Programming in GIS</td>
<td>3</td>
</tr>
<tr>
<td>GIS 4118</td>
<td>Geospatial Databases</td>
<td>3</td>
</tr>
<tr>
<td>GIS 4138C</td>
<td>Geovisualization and GIS</td>
<td>3</td>
</tr>
<tr>
<td>GIS 4140C</td>
<td>Mobile GIS and Drone Technology</td>
<td>3</td>
</tr>
<tr>
<td>GLY 4832C</td>
<td>Intro to Hydrogeology &amp; Aquifer Test</td>
<td>3</td>
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</tbody>
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Note: A grade of C or better is required for all courses in this track.