FLORIDA ATLANTIC UNIVERSITY – INTELLECTUAL FOUNDATION PROGRAM 2020 – 2021

All courses are three (3) credits unless otherwise indicated. Course selections should be made in consultation with an academic advisor.

GEOSCIENCES – GEOGRAPHY FOCUS (2020-2021)

Charles 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 1939 + ....Special Topic: College Writing
____ ENC 2452 + ....Honors Composition for Science

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.

<table>
<thead>
<tr>
<th>Group A</th>
<th>Group B</th>
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</thead>
</table>
| 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  
____ The Blue Planet (online)  
____ EVR 1001  
____ Env. Science and Sustainability  
| Physics Department
____ AST 2002  
____ Intro. to Astronomy (P/F)  
| Group A          | Group B          |
| 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 (5 credits incl. Lab)  

FOUNDATIONS OF SCIENCE & THE NATURAL WORLD
(Required)
For Science Majors (highly recommended)
Biology Department
____ BSC 1011 & L & D  
____ Biodiversity (4 cr. incl Lab & Dis)

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.

FOUNDATIONS OF COMMUNICATION
(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
____ 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 1147...... Precalculus Algebra & Trigonometry (4 credits)
____ MAC 2210...... Intro Calculus w/Applications (4 credits) (Permit Only)
____ MAC 2233...... Methods of Calculus
____ MAC 2312...... Calculus with Analytic Geometry 2 (4 credits)

Computer Science & Engineering Department
____ COP 1034C...... Computer Programming & Data Literacy for Everyone
(For Non-College Engineering & Computer Science majors)

Philosophy Department
____ PHI 2102....... Logic

FOUNDATIONS OF SCIENCE & THE NATURAL WORLD
(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 (WAC)
Economics Department
____ ECO 2013............Microeconomic 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 1001 ...............Changing Environment of Soc., Bus., & Gov’t

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
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................

Languages, Linguistics, & Comparative Literature Department
___ LAS 2000 ................Intro to Caribbean & Latin American Studies
___ LIN 2607 ..............Global Perspectives on Language

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.

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.
** - MAC 1114, MAC 1147, or MAC 2233 is a prerequisite for this course. If a lab is needed, then take Gen Phys 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: ANT 2000, PHI 2010, WOH 2012, LIT 2030, LIT 2040 and LIT 2070. See advisor for additional details.

(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.

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.

https://myfau.fau.edu/
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
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>
<th>40 - 44 credits</th>
<th>Intellectual Foundations Program &amp; Foreign Language</th>
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<tbody>
<tr>
<td></td>
<td>43 - 44 credits</td>
<td>Major Core</td>
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<tr>
<td></td>
<td>5 - 15 credits</td>
<td>Upper Division Electives</td>
</tr>
<tr>
<td></td>
<td>17 - 22 credits</td>
<td>Free Electives</td>
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<tr>
<td></td>
<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, 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

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

#### Environmental Systems

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

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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>GEA 4405</td>
<td>Geography of Latin America</td>
<td>(3 credits)</td>
</tr>
<tr>
<td>GEA 4500</td>
<td>Europe</td>
<td>(3 credits)</td>
</tr>
<tr>
<td>GEO 4422</td>
<td>American Cultural Landscape</td>
<td>(3 credits)</td>
</tr>
<tr>
<td>GEO 4542</td>
<td>Tourism &amp; Commercial Rec.</td>
<td>(3 credits)</td>
</tr>
<tr>
<td>GEO 4602</td>
<td>Urban Geography</td>
<td>(3 credits)</td>
</tr>
<tr>
<td>GEO 4700</td>
<td>Transportation &amp; Spatial Org</td>
<td>(3 credits)</td>
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#### GIsciences

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<thead>
<tr>
<th>Course Code</th>
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<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>GEO 4167C</td>
<td>Spatial Data Analysis</td>
<td>(3 credits)</td>
</tr>
<tr>
<td>GIS 4021C</td>
<td>Photogrammetry &amp; Aerial Interpretation</td>
<td>(3 credits)</td>
</tr>
<tr>
<td>GIS 4035C</td>
<td>Remote Sensing of Env</td>
<td>(3 credits)</td>
</tr>
<tr>
<td>GIS 4037C</td>
<td>Digital Image Analysis</td>
<td>(3 credits)</td>
</tr>
<tr>
<td>GIS 4043C</td>
<td>Principles of GIS</td>
<td>(3 credits)</td>
</tr>
<tr>
<td>GIS 4048C</td>
<td>Applications in GIS</td>
<td>(3 credits)</td>
</tr>
<tr>
<td>GIS 4102C</td>
<td>Programming in GIS</td>
<td>(3 credits)</td>
</tr>
<tr>
<td>GIS 4138C</td>
<td>Geovisualization and GIS</td>
<td>(3 credits)</td>
</tr>
<tr>
<td>GLY 4832C</td>
<td>Intro to Hydrogeology &amp; Aquifer Test</td>
<td>(3 credits)</td>
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**Note:** A grade of C or better is required for all courses in this track.