

FLORIDA ATLANTIC UNIVERSITY

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

GEOGRAPHY MAJOR (2011 – 2012)

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

FOUNDATIONS OF WRITTEN COMMUNICATION (Gordon Rule Writing (GRW), 6 credits required) (A grade of "C" or higher is required in each course)

- ___ ENC 1101 College Writing I (REQUIRED)
- ___ ENC 1102+ College Writing II

THE FOLLOWING COURSES CAN BE SUBSTITUTED FOR ENC 1102:

- ___ ANT 1471+ Cultural Difference in a Globalized Society
- ___ ENC 1930+ University Honors Seminar in Writing (Permit Only)
- ___ ENC 1939+ Special Topic: College Writing II
- ___ ENC 2452+0 Advanced Composition for Science
- ___ NSP 1195+ Being Cared For: Reflections from Other Side of Bed

After completing this section, two additional (GRW) classes are required from two different departments. Choices are available in: Foundations in Global Citizenship and/or Foundations of Creative Expression.

FOUNDATIONS OF SOCIETY & HUMAN BEHAVIOR (6 credits required, select 2 courses 2 different departments)

Anthropology Department

- ___ ANT 2000 & D Introduction to Anthropology (RECOMMENDED)

Economics Department

- ___ ECO 2013# Macroeconomic Principles (RECOMMENDED)
- ___ ECO 2023# Microeconomic Principles
- ___ ECP 2002 Contemporary Economic Issues

Exceptional Student Education Department

- ___ EEX 2091 Disability and Society

Political Science Department

- ___ POS 2041 Government of the United States

Psychology Department

- ___ PSY 1012 General Psychology

Public Administration Department

- ___ PAD 2258 Changing Env. of Soc., Bus., & Government

Sociology Department

- ___ SYG 1000 Sociological Perspectives
- ___ SYG 2010 Social Problems

Geosciences Department

- ___ EVR 2017 Environment and Society

Urban & Regional Planning Department

- ___ URP 2051 Designing the City

FOUNDATIONS OF MATHEMATICS & QUANTITATIVE REASONING (Grade of "C" or higher required. 6 credits required) **PRETEST IS REQUIRED BEFORE TAKING YOUR FIRST MATH CLASS** **NOTE: Students must take at least one course with the prefix MAC or MGF from the list below**

- ___ MAC 2233 Methods of Calculus (REQUIRED or higher)
- ___ MAC 2311 Calculus with Analytic Geometry I (4 credits)
- ___ MAC 2312 Calculus with Analytic Geometry II (4 credits)
- ___ STA 2023 Introductory Statistics (REQUIRED)

**Additional math courses are available upon request.
Consult with your academic advisor.**

FOUNDATIONS IN GLOBAL CITIZENSHIP (Select 2 courses from 2 different departments) (6 credits required. At least 1 course from Global Perspectives)

----- WESTERN IDENTITIES: -----

Sociology Department

- ___ SYD 2790 Race, Class, Gender, and Sexuality

Philosophy Department

- ___ PHI 2010++ Introduction to Philosophy (GRW)

History Department

- ___ AMH 2010 (P/F) United States History to 1877
- ___ AMH 2020 (P/F) United States History Since 1877

Languages, Linguistics, & Comparative Literature Department

- ___ LAS 2000 Intro to Caribbean & Latin American Studies

----- GLOBAL PERSPECTIVES (1 course required): -----

Anthropology Department

- ___ ANT 2410 Culture and Society

Geography Department

- ___ GEA 2000 & D World Geography (RECOMMENDED)

History Department

- ___ WOH 2012 & D++ History of Civilization I (GRW)
- ___ WOH 2022 History of Civilization II

Sociology Department

- ___ SYP 2450 Global Society

Political Science Department

- ___ INR 2002 Introduction to World Politics

Languages, Linguistics, & Comparative Literature Department

- ___ LIN 2607 Global Perspectives on Language

Curriculum, Culture, & Educational Inquiry Department

- ___ EDF 2854 Educated Citizen in Global Context

Social Work Department

- ___ SOW 1005 Global Perspectives on Social Services

FOUNDATIONS OF CREATIVE EXPRESSION (6 credits req., select 2 courses from 2 different departments)

Architecture Department

- ___ ARC 2208 Culture & Architecture

Visual Art & Art History Department

- ___ ARH 2000 (P/F) Art Appreciation

School of Communication & Multimedia Studies

- ___ FIL 2000 & D Film Appreciation

English Department

- ___ LIT 2010++ Interpretation of Fiction (GRW)
- ___ LIT 2030++ Interpretation of Poetry (GRW)
- ___ LIT 2040++ Interpretation of Drama (GRW)

Languages, Linguistics, & Comparative Literature Department

- ___ LIT 2100 & D Global Great Books

Music Department

- ___ MUL 2010 History & Appreciation of Music

Theatre & Dance Department

- ___ DAN 2100 Appreciation of Dance
- ___ THE 2000 Appreciation of Theatre

FOUNDATIONS OF SCIENCE & THE NATURAL WORLD (8 credits required)

**(Courses to be taken from 2 different departments)
(All labs and discussions are required)**

Biology Department

- ___ BSC 1011 & L & D Biodiversity (4 cr. incl. Lab and Discussion)

OR

- ___ BSC 1010 & L & D Biological Principles (4 cr. incl. Lab & Disc)

Chemistry Department

- ___ CHM 2045 & L† General Chemistry I (4 credits Incl. Lab)

**Additional science classes are required for this major.
Refer to page 3 for additional science requirements.**

STUDENTS ASSUME RESPONSIBILITY FOR MEETING ALL GRADUATION REQUIREMENTS
Course selections should be made in consultation with an advisor

Legend

- +** - ENC 1101 is a prerequisite.
- ++** - Two Foundations of Written Communications classes are required before taking this class.
- #** - Sophomore standing (30 credits earned) is required.
- **** - MAC 2281 or MAC 2311 is a prerequisite for this class. If a lab is needed take General Physics 1 Lab (PHY 2048 Lab).
- ***** - MAC 1105 and MAC 1114 are prerequisites for this class. If a lab is needed take General Physics 1 Lab (PHY 2048 Lab).
- ‡** - A corequisite of College Algebra (MAC 1105) or a prerequisite of Introductory Chemistry (CHM 1025).
- ◇** - A "B" in CHM 2045 and a grade of "C" or better in ENC 1101 in addition to a co-requisite of CHM 2051C is needed.
- GRW** - (WAC) Writing across the curriculum class.
- D** - A discussion is linked to the lecture. Students must register for the discussion in addition to the lecture.
- L** - A lab is linked to the lecture. Students must register for the lab in addition to the lecture.
- P/F** - Course may be taken pass (P) or fail (F) or for a letter grade. Indicate your preferred grading option during registration.

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 (FOL/FRE/GER/GRE/GRK/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, and Comparative Literature Department regarding this requirement.

CLAS: College Level Academic Skills (CLAS) requirements need to be met prior to graduation. See the university catalog for additional information.

∄ NOTE: Honors Seminars SHALL BE ACCEPTED AS MEETING THE GORDON RULE WRITING REQUIREMENT. See the Freshman Academic 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.

B.S.

46 credits	Intellectual Foundations Program & Foreign Language
23 credits	Electives and/or Recommended Courses (20 credits upper division)
24 credits	Geography Major Core (18 credits upper division)
<u>27 credits</u>	<u>Geoscience Electives</u>
120 CREDITS	TOTAL

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: (6 credits)

Weather & Climate	MET 2010 & D	(3 credits)
Introductory Physical Geography	GEO 2200C	(3 credits)

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 students responsibility to complete 65 credits of upper division coursework