

Cover Sheet: Request 12247

Bachelor of Arts in Environmental Geosciences (UF Online)

Info

Process	Major New Ugrad/Pro Residential
Status	Pending at PV - University Curriculum Committee (UCC)
Submitter	Liang Mao liangmao@ufl.edu
Created	1/23/2018 3:48:11 PM
Updated	2/26/2018 4:04:03 PM
Description of request	The environmental geosciences major is a joint program between the Department of Geography the Department of Geological Sciences. It has been offered by both departments on campus for years, but not for UF online students yet. Given all required courses are already deployed on UF online, it is easy to create this new major to attract more non-residential students who are interested in environmental geography and geology.

Actions

Step	Status	Group	User	Comment	Updated
Department	Approved	CLAS - Geography 011609000	Jane Southworth		1/23/2018
Evie Cummings Letter of Support CLAS Env Geosciences.docx					1/23/2018
College	Conditionall Approved	CLAS - College of Liberal Arts and Sciences	Joseph Spillane	This request is conditionally approved, but the CLAS Curriculum Committee requests that GEO4905, GEO4944, and GEO4970 not all be listed under geography electives, and perhaps a separate notation that up to 3 credits of electives could come from this group.	2/23/2018
No document changes					
Department	Approved	CLAS - Geography 011609000	Jane Southworth		2/24/2018
UF Online Major Catalog GPY_EGS.docx					2/24/2018
College	Approved	CLAS - College of Liberal Arts and Sciences	Joseph Spillane		2/26/2018
No document changes					
AP for Undergraduate Affairs	Approved	PV - Associate Provost for Undergraduate Affairs	Angela Lindner		2/26/2018
No document changes					
University Curriculum Committee	Pending	PV - University Curriculum Committee (UCC)			2/26/2018
No document changes					
Faculty Senate Steering Committee					
No document changes					
Faculty Senate					
No document changes					

Step	Status	Group	User	Comment	Updated
Academic Affairs					
No document changes					
Board of Trustees Notified					
No document changes					
Academic Affairs Notified					
No document changes					
Office of the Registrar					
No document changes					
OIPR Notified					
No document changes					
Student Academic Support System					
No document changes					
Catalog					
No document changes					
Academic Assessment Committee Notified					
No document changes					
College Notified					
No document changes					

Major|New for request 12247

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Submitter: Liang Mao liangmao@ufl.edu

Created: 11/30/2017 10:35:32 AM

Form version: 1

Responses

Program Level B - Bachelor's Degree

CIP Code 45.0701

Program or Department Name Geography

Major Code, Degree & Name for Existing Majors EGS, Bachelor of Arts in Environmental Geosciences

Major Code EGS

Requested New Major Name Environmental Geosciences

Degree of Requested Major BA

Credits 120

Tracks/Concentrations This is a new, more specialized track for a GPY BA that would have a different appeal than the current BA in Geography

Delivery Method UF Online - Be sure to attach a letter of support from the Director of UF Online Students 30

Effective Term Fall

Effective Year 2018

Percentage of Credits Available Fully Online 100%

Percentage of Credits Available Off-Campus <25%

Rationale for the Proposed Major The environmental geosciences major track has been offered by the geography department on campus for years, but not for UF online students. Given all required courses are already deployed on UF online, it is easy to create this new major to attract more non-residential students who are interested in both geography and geology.

This is a new, more specialized track for a GPY BA that would have a different appeal than the current BA in Geography

Impacts on Other Programs Since this is an existing major offered on campus, there will be no impacts on other programs when it is offered via UF Online.

January 23, 2018

Dr. Joseph Spillane
College of Liberal Arts and Sciences
University of Florida
Gainesville, FL 32611-7320

Dr. Spillane:

Thank you for reaching out to engage on the Department Geography's plan to offer an undergraduate Bachelors of Arts in Environmental Geosciences. We are pleased to welcome this program into UF Online and I believe that your program will continue to contribute positively to the needs of students.

I support the inclusion of this degree program, minor, and possible certificate offerings as future programs made available to students through UF Online so that UF may continue to serve students in a versatile online format. I also support the inclusion of this field of study as a future specialization in UF Online as part of our Business Administration Bachelor of Arts programs when practicable.

UF Online looks forward to working with you and your colleagues to ensure this program thrives for many years to come with a robust alumni student population!

Sincerely,



Evangeline J. Tsibris Cummings
Assistant Provost and Director of UF Online

UF Online Major

Bachelor of Arts: Environmental Geosciences

Overview:

Environmental Geosciences is an interdisciplinary curriculum integrating physical, chemical and biological aspects of the environment and environmental systems. There remains a huge demand for scientists with quantitative, interdisciplinary training in environmental geosciences to address, mitigate, and manage a multitude of complex environmental problems facing society.

The Bachelor of Arts in environmental geosciences is a joint program between the Department of Geography and the Department of Geological Sciences and is intended for students interested in land and water aspects of the environment. The degree focuses on human impacts, water and mineral resource exploitation and management, disasters, environmental planning, earth science education, or environmental law. Potential careers include natural resource management, environment protection, USGS, NGOs, etc.

About this Major

- **College:** Liberal Arts and Sciences
- **Degree:** Bachelor of Arts
- **Credits for Degree:** 120
- [Academic Learning Compact](#)
- [Additional Information](#)

- **Contact:** [Email](#); 1.855.99GATOR
- [Related Geography Programs](#)

To graduate with this major, students must complete all university, college, and major requirements.

[Critical Tracking Model Semester Plan](#)

Coursework for the major

The Bachelor of Arts in environmental geosciences requires a minimum of 38 credits of coursework. Students must earn a minimum grade of C in all coursework for the major.

Required courses

- GEO 2200 and GEO 2200L Physical Geography and Physical Geography Laboratory, 4 credits
- GEO 4930 Senior Seminar, 1 credit
- GIS 3043 Foundations of Geographical Information Systems, 4 credits
- GLY 2010C Physical Geology, 4 credits, or GLY 2030C Environmental and Engineering Geology, 3 credits
- GLY 2100C Historical Geology or GLY 3105C Evolution of Earth and Life in America, 4 credits

- GLY 3202C Earth Minerals, 3 credits
- Three geography electives, 9 credits minimum
 - GEO 2242 Extreme Weather (3 credits)
 - GEO 3250 Climatology (3 credits)
 - GEO 3452 Introduction to Medical Geography (3 credits)
 - GEO 4281 River Forms and Processes (3 credits)
 - GEO 4911 Undergraduate Research in Geography
 - GEO 4938 Selected Topics in Geography
 - GEO 4905 Individual Work
 - GEO 4944 Internship
 - GEO 4970 Honors Thesis
 - GIS 4001C Maps and Graphs (3 credits)
 - GIS 4021C Aerial Photo Interpretation (3 credits)
 - GIS 4037 Digital Imaging Processing (4 credits)
 - GIS 4911 Undergraduate Research in Geospatial Technologies
 - MET4560 Atmospheric Teleconnections (3 credits)
- Two geology electives, 6 credits minimum
 - GLY 3163 Geology of American National Parks (3 credits)
 - GLY 3603 Paleontology (4 credits)
 - GLY 3882C Hydrology and Human Affairs (3 credits)
 - GLY 4155C Geology of Florida (3 credits)
 - GLY 4552C Sedimentary Geology (3 credits)
 - GLY 4700 Geomorphology (3 credits)
 - GLY 4822 Groundwater Geology (3 credits)

Up to 3 credits of geography electives can come from the group of GEO4905, GEO4944, and GEO4970.

The same course may not be used to satisfy requirements for more than one bulleted group.

Related Coursework

- STA 2023 Introduction to Statistics

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Critical Tracking

Critical Tracking records each student's progress in courses that are required for entry to each major. Please note the critical-tracking requirements below on a per-semester basis.

For degree requirements outside of the major, refer to CLAS Degree Requirements: [Structure of a CLAS Degree](#).

Equivalent critical-tracking courses as determined by the State of Florida [Common Course Prerequisites](#) may be used for transfer students.

Semester 1

- 2.0 UF GPA required

Semester 2

- Complete one critical-tracking course with laboratory (GEO 2200/2200L or GLY 2010C) with a 2.5 critical-tracking GPA
- 2.0 UF GPA required

Semester 3

- Complete the other critical-tracking course with laboratory (GEO 2200/2200L or GLY 2010C) with a 2.5 critical-tracking GPA
- 2.0 UF GPA required

Semester 4

- Complete STA 2023 and maintain a 2.5 critical-tracking GPA
- 2.0 UF GPA required

Semester 5

- Complete two additional GLY or GEO courses with a 2.5 critical-tracking GPA. Recommended GLY courses include GLY 2100C or GLY 3105C. Recommended GEO courses include GEO 3250, GEO 4281, and GIS4037.
- 2.0 UF GPA required

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Model Semester Plan

Students are expected to complete the writing requirement while in the process of taking the courses below. Students are also expected to complete the general education international (GE-N) and diversity (GE-D) requirements concurrently with another general education requirement (typically, GE-C, H or S).

To remain on track, students must complete the appropriate critical-tracking courses, which appear in bold. These courses must be completed by the terms as listed above in the Critical Tracking criteria.

This semester plan represents an example progression through the major. Actual courses and course order may be different depending on the student's academic record and scheduling availability of courses. Prerequisites still apply.

Semester 1	Credits
IUF 1000 What is the Good Life <i>GE-H</i>	3
Composition <i>State Core GE-C; WR</i>	3
Elective	3
Foreign language	4-5
Mathematics, pure math <i>State Core GE-M</i>	3
Total	16-17

Semester 2	Credits
GEO 2200 Physical Geography, 3 credits, and GEO 2200L Physical Geography Laboratory, 1 credit <i>OR</i> GLY 2010C Physical Geology <i>GE-P</i>	4
Biological Science <i>State Core GE-B</i>	3
Foreign language	3-5
Social and Behavioral Sciences <i>State Core GE-S</i>	3
Total	13-15

Semester 3	Credits
GEO 2200 Physical Geography, 3 credits, and GEO 2200L Physical Geography Laboratory, 1 credit <i>OR</i> GLY 2010C Physical Geology <i>GE-P</i>	4
Composition <i>GE-C; WR</i>	3
Elective <i>Or foreign language if 4-3-3 option</i>	3
Humanities <i>State Core GE-H</i>	3
Social and Behavioral Sciences <i>GE-S</i>	3

Total	16
Semester 4	Credits
STA 2023 Introduction to Statistics 1 <i>GE-M</i>	3
Biological Science <i>GE-B</i>	3
Elective	3
Humanities <i>GE-H</i>	3
Social and Behavioral Sciences <i>GE-S</i>	3
Total	15
Semester 5	Credits
GLY 3202C Earth Materials	3
GLY 3105C Evolution of Earth and Life <i>GE-P</i>	4
Electives <i>3000 level or above, not in major</i>	6
Total	13
Semester 6	Credits
GIS 3043 Foundations of Geographic Information Systems	4
Geography elective <i>From list</i>	3-4
Electives <i>3000 level or above, not in major</i>	9
Total	16-17
Semester 7	Credits
Geography elective <i>From list</i>	3-4
Geology elective <i>From list</i>	3-4
Electives	6
Elective <i>3000 level or above, not in major</i>	3
Total	15-17
Semester 8	Credits
GEO 4930 Senior Seminar	1

Geography elective <i>From list</i>	3-4
Geology elective <i>From list</i>	3-4
Electives	9
Total	16-18

Electives to reach the 120-credit minimum will vary depending on whether students select minimum or maximum credit course options.