



**Franklin College of
Arts and Sciences**
UNIVERSITY OF GEORGIA

CURRICULUM REQUEST FORM

Please complete a separate request for each curriculum item being submitted. Each request should include a PDF file of the curriculum item being reviewed. This form along with the file should be emailed to April Brown at albrown@uga.edu.

Date: 10/31/2023

Department/Institute/Program: Geology

Contact Person: Adam Milewski

Email Address: geohead@uga.edu

Curriculum Item Request: Proposal for New Degree or Major Programs, New Minor Proposals, or New Area of Emphasis

Please provide an explanation/justification for this request:

The submission of this minor, as well as additional curriculum updates, is a part of the overall enhancement of the direction of the Department of Geology as we align ourselves with the strategic vision of our department, discipline, and Franklin College. Our current collaborations within the industry and student focus groups indicate the need to move in this direction. Credentialization of the skills and knowledge earned through this training is critical to student success. Offering this minor to students within, as well as outside of our department, is proof of the academic innovation we are now setting as the standard within our discipline. This broadens the marketability of graduates and more closely aligns them with career competencies that makes them competitive in the current job market within our field and beyond.

Energy and mineral resources are critical for our global society. Demand continues to grow in both the energy and mineral sectors, and the switch to green resources will place emphasis on new resources in addition to traditional/current resources. This new minor will help us prepare UGA graduates for work in this rapidly changing and growing field. The Department of Geology currently teaches a broad spectrum of classes that will constitute this minor, and our existing faculty can readily cover these classes. The Mineral Exploration sector is a significant employer of our undergraduate and graduate students, and this minor will enhance the qualifications of those students seeking entry into this discipline.

As Department Head, you are affirming that the department procedures have been followed for approval with your unit.

Adam Milewski	Digitally signed by Adam Milewski Date: 2023.10.31 14:34:06 -04'00'
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PROPOSAL FOR MINOR PROGRAM OF STUDY

1. **School/College:** Franklin College
2. **Department/Division:** Geology
3. **Minor Name:** Geoenergy & Mineral Resources
4. **Proposed Effective Date:**
5. **Which campus(es) will offer this program?** Athens

Program Description:

Energy and mineral resources are critical for our global society. Demand continues to grow in both the energy and mineral sectors, and the switch to green resources will place emphasis on new resources in addition to traditional/current resources. This new minor will help us prepare UGA graduates for work in this rapidly changing and growing field. The Department of Geology currently teaches a broad spectrum of classes that will constitute this minor, and our existing faculty can readily cover these classes. The Mineral Exploration sector is a significant employer of our undergraduate and graduate students, and this minor will enhance the qualifications of those students seeking entry into this discipline.

Program of Study/Requirements:

See attached.

8. Approvals:

<i>Adam Milowski</i>	Geology	10/31/2023
Department Head	Department	Date
Dean	School/College	Date

Proposed Minor in Geoenergy & Mineral Resources

Unless specified, all classes are A-F (traditional)

All students will complete a minimum of 15 credit hours, including:

Required Courses (6 to 8 hours), choose two of the following:

GEOL1121/1121L: Earth Processes and Environment, 3 or 4 hours

Or

GEOL1250/1250L: Physical Geology, 3 or 4 hours

GEOL1122/1122L: Earth's History of Global Change, 3 or 4 hours

Or

GEOL1260/1260L: Historical Geology, 3 or 4 hours

***Elective Courses, choose three from the following list.**

ENVM4150 Energy Economics

GEOL4110 Principles of Geochemistry

GEOL4310 Economic Geology

GEOL4320 Petroleum Geology

GEOL4330 Geology of North America

GEOL4540 Pedology

GEOL4550 Clay Mineralogy and Geochemistry

GEOL4620 Exploration Geophysics

GEOL4640 Geochemical and Geophysical Surveys

***One of these courses can be replaced with a 3-hour research or thesis course (listed below).**

GEOL 4400 Introduction to Research in Planetary Geology

GEOL 4430 Introduction to Research in Geophysics

GEOL 4470 Introduction to Research in Petrology

GEOL 4490 Introduction to Research in Structure/Tectonics

GEOL 4960 Faculty-Mentored Undergraduate Research I

GEOL 4970 Faculty-Mentored Undergraduate Research II

GEOL 4980 Faculty-Mentored Undergraduate Research III

GEOL 4990 Undergraduate Thesis