

Program Change Request

Date Submitted: 11/19/21 9:33 am

Viewing: : **Geology, BS/Earth Systems Science, Accelerated MS**

Last approved: 12/21/20 12:53 pm

Last edit: 11/19/21 9:33 am

Changes proposed by: jbazaz

Catalog Pages

Using this Program

[Earth Systems Science, MS \(AOES\)](#)

[Geology, BS](#)

[Earth Systems Science, MS \(GGS\)](#)

Are you completing this form on someone else's behalf?

Yes

Requestor:

In Workflow

1. Registrar-Programs:Workflow Review
2. AOES Committee
3. AOES Chair
4. GGS Chair
5. SC Curriculum Committee
6. SC Associate Dean
7. Assoc Provost-Graduate
8. Assoc Provost-Undergraduate
9. Registrar-Programs

Approval Path

1. 11/22/21 9:28 am
Tory Sarro (vsarro):
Approved for Registrar-Programs:Workflow Review
2. 11/22/21 2:28 pm
Barry Klinger (bklinger):
Approved for AOES Committee
3. 11/22/21 2:54 pm
Mark Uhen (muhen): Approved for AOES Chair
4. 12/01/21 8:43 pm
Nathan Burtch (nburtch): Approved for GGS Chair

History

1. Dec 21, 2020 by Jennifer Bazaz Gettys (jbazaz)

Name	Extension	Email
Geoff Gilleaudeau	3289	ggilleau@gmu.edu

Effective Catalog: 2022-2023
Program Level: Undergraduate & Graduate (BAMs)
Program Type: Bachelor's/Accelerated Master's
Title: Geology, BS/Earth Systems Science, Accelerated MS

Registrar’s Office Use Only – Program Start Term

Registrar/OAPI Use Only – SACSCOC Status

Concentration(s):

College/School: College of Science
Department / Academic Unit: Atmospheric, Oceanic, & Earth Sciences
Jointly Owned Program? Yes

Participating Colleges

	College
1	College of Science

Participating Departments

	Department
1	Atmospheric, Oceanic, & Earth Sciences
2	Geography & Geoinformation Science

Justification
 Adding two additional graduate course suggestions for our undergraduate students.

Catalog Published Information

**Accelerated
Description/Dual
Degree
Description:**

Geology, BS/Earth Systems Science, Accelerated MS

Overview

Geology, and Earth sciences more broadly, are extremely important to society and our economy as they deal with our planet, our oceans, and our climate. Degrees in Earth science are broadly useful in industry, government, conservation, and many other areas of our economy. While there are many positions in the field that only require a bachelor's degree, many employers either prefer a Master's degree, or a Master's degree can be the key to further promotion within a particular organization. This Accelerated Master's degree is designed to give students the skills and the degrees that they need to be both initially successful, and to ensure long-term advancement in their chosen professions.

Application Requirements

Applicants should be enrolled in the Geology, BS degree at Mason and have earned at least 60 credits. Previous coursework should include two semesters each of calculus, chemistry, and physics, and one semester of statistics. Applicants should have a minimum GPA of 3.00.

Applicants to all graduate programs at Mason must meet the admission standards and application requirements for graduate study as specified in the [Graduate Admission Policies](#) section of this catalog, excluding the GRE exam requirement (which is not required for those enrolled in the accelerated program). This includes three letters of recommendation (at least one from a former professor or someone with a PhD), a recent resume, a statement of interest/research goals (including information on the applicant's proposed MS research), and a letter from their advisor. This letter should state that the advisor agrees to take on the candidate as an MS student, addresses how the candidate would be a good fit for them, and indicate why the applicant's research topic would be suitable for study.

Accelerated Option Requirements

Students admitted to this program may take graduate courses after completing 75 undergraduate credits, and up to 12 credits of appropriate graduate coursework may be used in partial satisfaction of the requirements for the undergraduate degree. If students earn at least a 3.00 GPA in these classes, they are granted advanced standing in the master's program and must then complete an additional 24 credits to receive the master's degree. All other requirements for the Earth Systems Science, MS, must be met.

To apply these credits to the master's degree, students must request that the credits be moved from the undergraduate degree to the graduate degree using the Bachelor's/Accelerated Master's Transition form found on the Office of the [University Registrar's website](#).

For more detailed information, see [AP.6.7 Bachelor's/Accelerated Master's Degrees](#). For policies governing all graduate programs, see [AP.6 Graduate Policies](#).

Reserve Graduate Credit

Undergraduate students may also take up to 6 additional and appropriate graduate credits as reserve graduate credit. These credits do not apply to the undergraduate degree, but will reduce the subsequent master's degree credits accordingly (e.g., with 12 credits counted toward the undergraduate and graduate degrees plus the maximum 6 reserve credits for the master's, an MS could be completed with 12 post-bachelor's credits). The ability to take courses for reserve graduate credit is available to all high achieving undergraduates with the permission of the department.

Graduate Course Suggestions

Students should consult with an advisor before registering for graduate credits.

GEOL 504	Sedimentary Geology	4
GEOL 506	Soil Science	3
GEOL 510	Advanced Structural Geology	3
GEOL 513	Hydrogeology	3
GEOL 521	Geology of Energy Resources	3
GEOL 532	Paleoclimatology	3
GEOL 534	Vertebrate Paleontology	4
GEOL 536	Paleontology Seminar	1-2
GEOL 541	Great Events in Earth History	3
GEOL 553	Field Mapping Techniques	3

Program Outcomes

OAPI Use Only – Determination of SACSCOC Impact

Comments or Notes

Additional Attachments

Reviewer Comments

Additional Comments

Is this course required of all students in this degree program?

%wi_required.eshtml%

Key: 865