Program Change Request

Date Submitted: 01/30/26 3:29 pm

Viewing: : Mathematics, BA or BS/Mathematics, Accelerated MS

Last approved: 06/03/24 12:43 pm

Last edit: 01/30/26 3:29 pm

Changes proposed by: jbazaz

Catalog Pages Using this Program

Mathematics, BA

Mathematics, BS

Mathematics, MS

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

No

Effective Catalog: 2025-2026

Program Level: Undergraduate & Graduate (BAMs)

Program Type: Bachelor's/Accelerated Master's

Title:

Mathematics, BA or BS/Mathematics, 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: Mathematical Sciences

Jointly Owned Program? Yes

In Workflow

1. **Registrar-Programs:Workflow Review**
2. **MATH Chair**
3. **SC Curriculum Committee**
4. SC Assistant Dean
5. Assoc Provost-Graduate
6. Assoc Provost-Undergraduate
7. Registrar-Programs

Approval Path

1. 02/07/25 10:01 am Deborah Mcgarrah (dmcgarra): Approved for Registrar-Programs:Workflow Review
2. 02/20/25 9:14 am Maria Emelianenko (memelian): Approved for MATH Chair
3. 03/05/25 3:24 pm Jennifer Bazaz Gettys (jbazaz): Approved for SC Curriculum Committee
4. 03/05/25 3:32 pm Jennifer Bazaz Gettys (jbazaz):

Is there an embedded degree as part of a program?

Participating Colleges

Participating Departments

Justification

Approved for SC Assistant Dean

5. 03/12/25 12:30 pm Pallavi Gullo (pgullo): Rollback to SC Assistant Dean for Assoc Provost-Graduate
6. 04/15/25 10:06 am Jennifer Bazaz Gettys (jbazaz): Rollback to Initiator
7. 02/02/26 9:14 am Deborah Mcgarrah (dmcgarra): Approved for Registrar-Programs:Workflow Review
8. 02/09/26 1:22 pm Maria Emelianenko (memelian): Approved for MATH Chair

History

1. Nov 2, 2017 by clmig-jwehrheim
2. Mar 2, 2021 by Jennifer Bazaz Gettys (jbazaz)
3. Mar 4, 2022 by Jennifer Bazaz Gettys (jbazaz)
4. May 28, 2024 by Tory Sarro (vsarro)
5. Jun 3, 2024 by Deborah Mcgarrah (dmcgarra)

What: Removing requirement for "immediate" graduate coursework to begin.
For reserve graduate credit, specifying that 12 credits is the maximum counted toward both the UG and GR degrees.
Why: As this program aligns with the university's BAM requirements, we're removing some duplicative language, the links provided direct students to university-level policies.

What: Revising admission requirements
Why: To align with the updated master's curriculum.

What: Adding a recommended course.
Why: To enhance student advising.

Catalog Published Information

Accelerated Description/Dual Degree Description: Mathematics, BA or BS/Mathematics, Accelerated MS

Overview

This bachelor's/accelerated master's degree program allows academically strong undergraduates with a commitment to advance their education to obtain the Mathematics, BA or Mathematics, BS and the Mathematics, MS degrees within an accelerated timeframe. Upon completion of this 138 credit accelerated program, students will be exceptionally well prepared for entry into their careers or into a doctoral program in the field or in a related discipline.
Students are eligible to apply for this accelerated program once they have earned at least 60 undergraduate credits and can enroll in up to 18 credits of graduate coursework after successfully completing 75 undergraduate credits. This flexibility makes it possible for students to complete a bachelor's and a master's in five years.
For more detailed information, see AP.6.7 Bachelor's/Accelerated Master's Degrees. For policies governing all graduate degrees, see AP.6 Graduate Policies. For more information on undergraduates enrolling in graduate courses, see AP.1.4.4 Graduate Course Enrollment by Undergraduates.

Application Requirements

Applicants to all graduate programs at George Mason University must meet the admission standards and application requirements for graduate study as specified in the Graduate Admission Policies section of this catalog. Important application information and processes for this accelerated master's program can be found here. Students should seek out the graduate program's advisor who will aid in choosing the appropriate graduate courses and help prepare the student for graduate studies.

Successful applicants will have an overall undergraduate GPA of at least 3.00. Additionally, they are encouraged to ~~will~~ have completed a selection of the following courses with a grade ~~GPA~~ of B ~~3.00~~ or better: ~~higher:~~

MATH 315	Advanced Calculus I	3
MATH 321	Abstract Algebra	3
MATH 322	Advanced Linear Algebra	3

Accelerated Option Requirements

After the completion of 75 undergraduate credits, students may complete 3 to 12 credits of graduate coursework that can apply to both the undergraduate and graduate degrees.

In addition to applying to graduate from the undergraduate program, students in the accelerated program must submit a bachelor's/accelerated master's transition form (available from the Office of the University Registrar) to the College of Science's Office of Academic and Student Affairs by the last day to add classes of their final undergraduate semester. ~~Students should enroll for courses in the master's program in the fall or spring semester immediately following conferral of the bachelor's degree, but should contact an advisor if they would like to defer up to one semester.~~

Students must maintain an overall GPA of 3.00 or higher in all graduate coursework and should consult with their faculty advisor to coordinate their academic goals.

Reserve Graduate Credit

Accelerated master's students may also take up to 6 graduate credits as reserve graduate credits. These credits do not apply to the undergraduate degree, but will reduce the master's degree by up to 6 credits. With the maximum 12 graduate credits counted toward the undergraduate and graduate degrees plus the maximum 6 reserve graduate credits, the credits necessary for the graduate degree can be reduced by up to 18.

Graduate Course Suggestions

The following list of suggested courses is provided for general reference. To ensure an efficient route to graduation and post-graduation readiness, students are strongly encouraged to meet with an advisor before registering for graduate-level courses.

MATH 621	Algebra I	3
MATH 631	Topology I: Topology of Metric Spaces	3
MATH 664	Linear Algebra with Data Applications	3
MATH 675	Linear Analysis	3
MATH 677	Ordinary Differential Equations	3
MATH 685	Numerical Analysis	3

Program Outcomes

Have you reached out to the Libraries to determine whether there are adequate resources to support your program? If not, please email Meg Meiman, Associate University Librarian for Learning, Research, and Engagement at mmeiman2@gmu.edu.

OAPI Use Only – Determination of SACSCOC Impact

Comments or Notes

Additional Attachments

Reviewer Comments

Pallavi Gullo (pgullo) (03/12/25 12:30 pm): Rollback: Per 6.7.2: Each pathway must offer a curated list of courses that are consistent with these requirements and that maintain the integrity of both the undergraduate and graduate degree programs. Completion of the bachelor's accelerated master's degree requires that all university requirements for the master's degree are met, including the institutional credit requirement and graduate time limit to degree requirement. For more information on undergraduate students who want to enroll in graduate courses, see AP.1.4.4 Graduate Course Enrollment by Undergraduates. This doesn't appear to offer such for the advanced and reserve. Dr. Bray is rolling back pathways with this issue and this will be discussed at March GC and providing a template to aid in any revision.

Jennifer Bazaz Gettys (jbazaz) (04/15/25 10:06 am): Rollback: Template update

Additional Comments

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

%wi_required.eschtml%

Key: 265