Program Change Request

Date Submitted: 10/31/25 3:44 pm

Viewing: **SC-BS-MATH : Mathematics, BS**

Last approved: 04/28/25 11:49 am

Last edit: 03/02/26 10:13 am

Changes proposed by: jbazaz

Catalog Pages
Using this Program
   Mathematics, BS

No Longer
Anticipated closure
Rationale for

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

Yes

Requestor:

In Workflow

1. **MATH Chair**
2. **SC Curriculum Committee**
3. SC Assistant Dean
4. Assoc Provost-Undergraduate
5. Registrar-Programs

Approval Path

1. 12/10/25 6:03 pm
   Maria Emelianenko
   (memelian):
   Approved for MATH
   Chair
2. 01/23/26 10:57 am
   Gregory Craft
   (gcraft): Approved
   for SC Curriculum
   Committee
3. 02/16/26 8:47 am
   Jennifer Bazaz
   Gettys (jbazaz):
   Approved for SC
   Assistant Dean
4. 02/19/26 2:11 pm
   Jasmine Copeland
   (jcopela4): Rollback
   to SC Assistant Dean
   for Assoc Provost-
   Undergraduate
5. 02/24/26 11:26 am
   Jennifer Bazaz
   Gettys (jbazaz):
   Approved for SC
   Assistant Dean

6. 02/27/26 2:04 pm Jasmine Copeland (jcopela4): Rollback to SC Assistant Dean for Assoc Provost-Undergraduate
7. 03/04/26 4:49 pm Jennifer Bazaz Gettys (jbazaz): Approved for SC Assistant Dean
8. 03/06/26 11:49 am Jasmine Copeland (jcopela4): Rollback to SC Curriculum Committee for Assoc Provost-Undergraduate

History

1. Nov 21, 2017 by clmig-jwehrheim
2. Nov 21, 2017 by clmig-jwehrheim
3. Jan 17, 2018 by rzachari
4. Feb 7, 2018 by rzachari
5. Mar 1, 2018 by Jennifer Bazaz Gettys (jbazaz)
6. Feb 8, 2019 by Jennifer Bazaz Gettys (jbazaz)
7. Mar 27, 2019 by Tory Sarro (vsarro)
8. Jan 16, 2020 by Jennifer Bazaz Gettys (jbazaz)

9. Mar 24, 2020 by Jennifer Bazaz Gettys (jbazaz)
10. Feb 2, 2021 by jriemen
11. Mar 9, 2022 by Jennifer Bazaz Gettys (jbazaz)
12. May 2, 2022 by Jennifer Bazaz Gettys (jbazaz)
13. May 4, 2023 by Jennifer Bazaz Gettys (jbazaz)
14. Jun 1, 2023 by Tory Sarro (vsarro)
15. Jan 5, 2024 by Jennifer Bazaz Gettys (jbazaz)
16. Mar 21, 2024 by Tory Sarro (vsarro)
17. Apr 28, 2025 by Jennifer Bazaz Gettys (jbazaz)

Name	Extension	Email
Sarah Khankan	5302	skhankan@GMU.EDU

Effective Catalog: 2026-2027

Program Level: Undergraduate

Program Type: Bachelor's

Degree Type: Bachelor of Science

Title: Mathematics, BS

1. What was the process us
2. What
3. What evidence was used
a. Have you ensured there
b. Has GRE confirmed the
c. Use the instructor(s) for
d.
f. Does this badge provide
5. Is this badge co-sponsor
a. What is the organization

Banner Title: Mathematics, BS

Is this a retitling of
Existing Program

Registrar/OAPI Use   Approved
Only – SCHEV
Status

Registrar's Office
Use Only –
Program Start Term

Registrar/OAPI Use
Only – SCHEV
Letter

Registrar/OAPI Use
Only – SACSCOC
Status

Concentration(s):

	Associated Concentrations	**Registrar's Office Use Only: Concentration Code**
1	Individualized Concentration	IND
2	Pure Mathematics	PURM
3	Actuarial Mathematics	ACTM
4	Applied Mathematics	AMT
5	Data Science	DSCI
6	Mathematical Statistics	MTHS

Registrar/IRR Use
Only –

Concentration CIP Code

College/School: College of Science

Department / Academic Unit: Mathematical Sciences

Jointly Owned Program? No

Is there an embedded degree as part of a program?

Justification

What: Adding a new concentration.

Why: To integrate mathematical modeling, data analysis, and computational techniques with biological concepts. Addresses the need for quantitative skills in biology, preparing students for careers in bioinformatics, systems biology, etc.

The proposed Math-Biology concentration is designed to meet the growing demand for professionals who possess strong quantitative and analytical skills in the biological sciences. As fields such as bioinformatics, systems biology, and quantitative genetics continue to expand, there is a clear market need for graduates who can bridge the gap between mathematical modeling and biological application. Similar programs are already in place at several U.S. universities, including the University of Utah, University of Arizona, University of Nebraska–Lincoln, University of North Carolina at Chapel Hill, University of California Davis, Harvey Mudd College, University of Michigan, University of Colorado Boulder, University of Illinois Urbana-Champaign, and the University of Washington. These examples demonstrate a national trend toward integrating mathematics and biology to prepare students for research and professional careers in data-driven life sciences. Establishing this concentration would provide our department with a distinctive interdisciplinary program that aligns with this movement while offering a level of integration not commonly available at peer institutions. The concentration will also leverage our department's existing strengths and faculty expertise, drawing on a diverse group of instructors from both mathematics and biology. This collaborative foundation ensures that students will gain both the theoretical depth and applied perspective necessary to pursue graduate study or careers in research, biotechnology, healthcare, and data science.

What: Allowing "or" CS courses.

Why: Difficulty finding enough seats for our students in CS 112.

What: Updating the curriculum to account for BIOL course lecture and lab decoupling.

Why: To ensure students are still required to complete the course's lecture and lab components

in light of the course being decoupled into two courses.

What: Requiring minimum GPAs to transfer into the program.

Why: To set students up for success before transferring into the program.

Total Credits Required:	Total credits: minimum 120
Registrar's Office Use Only - Program Code:	
	SC-BS-MATH
Registrar/IRR Use Only – Program CIP Code	
Admission Requirements:	

Admissions

University-wide admissions policies can be found in the <u>Undergraduate Admissions Policies</u> section of this catalog. To apply for this program, please complete the <u>George Mason University Admissions Application</u>.

<u>Transferring into the Mathematics, BS</u>[1]

<u>Students transferring into the Mathematics, BS are required to meet the following criteria:</u>

1. <u>Holding a minimum cumulative GPA of 2.0, and</u>
2. <u>Holding a minimum GPA of 2.5 in mathematics coursework.</u>

[1] <u>This does not apply to newly admitted George Mason students or to students who do not have prior college-level coursework on their record.</u>

Program-Specific Policies:

Policies

Students must fulfill all <u>Requirements for Bachelor's Degrees</u>, including the <u>Mason Core</u>.

<u>MATH 300</u> Introduction to Advanced Mathematics<u>(Mason Core)</u> meets the writing intensive requirement for this major.

For policies governing all undergraduate programs, see <u>AP.5 Undergraduate Policies</u>.

Graduating seniors are required to have an exit interview.

Language Proficiency Recommendation

The department recommends proficiency in French, German, or Russian.

Course Recommendations and Policies

A maximum of 6 credits of grades below 2.00 in coursework designated MATH or STAT may be applied toward the major.

Students intending to enter graduate school in mathematics are strongly advised to take MATH 315 Advanced Calculus I and MATH 321 Abstract Algebra.

Students may not receive credit for both MATH 214 Elementary Differential Equations and MATH 216 Theory of Differential Equations; both MATH 213 Analytic Geometry and Calculus III and MATH 215 Analytic Geometry and Calculus III (Honors); both MATH 351 Probability and STAT 344 Probability and Statistics for Engineers and Scientists I; and both MATH 352 Statistics and STAT 354 Probability and Statistics for Engineers and Scientists II.

After receiving a grade of 'C' or better in one of the courses listed below on the left, students may not receive credit for the corresponding course on the right:

Course	May Not Receive Credit for
MATH 113 or MATH 123	MATH 105 or MATH 108
MATH 351 or STAT 344	MATH 110
MATH 441	MATH 111

Degree Requirements:	Students should refer to the Admissions & Policies tab for specific policies related to this program.

In addition to the Mathematics Core, Science, and Computational Skills requirements, students must select one concentration and complete the requirements therein.

Mathematics Core

MATH 113	Analytic Geometry and Calculus I(Mason Core)	4
MATH 114	Analytic Geometry and Calculus II	4
MATH 125	Discrete Mathematics I(Mason Core)	3
MATH 203	Linear Algebra	3
MATH 213	Analytic Geometry and Calculus III	3
or MATH 215	Analytic Geometry and Calculus III (Honors)	
MATH 214	Elementary Differential Equations	3
or MATH 216	Theory of Differential Equations	
MATH 300	Introduction to Advanced Mathematics(Mason Core) [1]	3
MATH 322	Advanced Linear Algebra	3
Total Credits		26

[1]
Fulfills the writing intensive requirement.

Science

Select a one-year sequence of a laboratory science from the following courses:	8-9

Biology Sequence:

Select two from the following:

BIOL 102	Introductory Biology I-Survey of Biodiversity and Ecology(Mason Core) [1]	
BIOL 103 & BIOL 105	Introductory Biology II-Survey of Cell and Molecular Biology(Mason Core) and Introductory Biology II Laboratory(Mason Core) [1]	
BIOL 213 & BIOL 215	Cell Structure and Function and Cell Structure and Function Laboratory	

Chemistry Sequence:

CHEM 211 & CHEM 213	General Chemistry I(Mason Core) and General Chemistry Laboratory I(Mason Core)
CHEM 212 & CHEM 214	General Chemistry II(Mason Core) and General Chemistry Laboratory II(Mason Core)

Geology Sequence:

GEOL 101 & GEOL 103	Physical Geology(Mason Core) and Physical Geology Lab(Mason Core)
GEOL 102 & GEOL 104	Historical Geology(Mason Core) and Historical Geology Laboratory(Mason Core)

Physics Sequence:

PHYS 160 & PHYS 161	University Physics I(Mason Core) and University Physics I Laboratory(Mason Core)
PHYS 260 & PHYS 261	University Physics II(Mason Core) and University Physics II Laboratory(Mason Core)

Total Credits	8-9

[1] Students in the Mathematics for the Biological Sciences Concentration should select this course.

Computational Skills

CS 112	Introduction to Computer Programming(Mason Core)	4-6
or CS 108 & CS 109	Intro to Computer Programming, Part A(Mason Core) and Intro to Computer Programming, Part B	
Total Credits		4-6

Individualized Concentration (IND)

Students who are looking for a flexible concentration option are able to customize their degree with the Individualized Concentration. The Individualized Concentration allows students to take coursework in a variety of fields. Students should work closely with a mathematics advisor and have their individual degree plan approved no later than their junior year.

Required Courses

MATH 315	Advanced Calculus I	3
Select two courses from the following:		6
MATH 316	Advanced Calculus II	
MATH 321	Abstract Algebra	
MATH 421	Abstract Algebra II	
MATH 431	Topology	
MATH 432	Differential Geometry	
MATH 433	Algebraic Geometry	
MATH 464	Linear Algebra with Data Applications	
MATH 465	Mathematics of Data Science	

Electives

Select 12 additional upper-level MATH-prefixed credits (not previously taken). [1]	12

Additional Science

Select one option from the following:	4-9

Option One

A second sequence from the choices under "Science" above

Option Two [2]

Select 6 credits from more advanced courses in biology, chemistry, geology, or physics

Option Three

The 4-credit option of PHYS 262 and PHYS 263

Option Four

Select two courses from the following:

CDS 230	Modeling and Simulation I
CDS 301	Scientific Information and Data Visualization

CS 211	Object-Oriented Programming
CS 310	Data Structures
CS 330	Formal Methods and Models
CS 483	Analysis of Algorithms

Total Credits	25-30

[1]
Excluding MATH 400 History of Math (Topic Varies)(Mason Core)

[2]
Only refers to courses acceptable for credit toward a natural science major. Consider courses (previously taken) from the following: (BIOL 213 Cell Structure and Function and BIOL 215 Cell Structure and Function Laboratory), BIOL 300-499, CHEM 300-499, GEOL 300-499, PHYS 300-499.

Mathematics for the Biological Sciences Concentration (MBIO)

This unique concentration's aims to integrate mathematical modeling, data analysis, and computational techniques with biological concepts.

The concentration's primary goals are to: Develop skills in modeling biological processes; to enhance quantitative reasoning and data interpretation; to foster cross-disciplinary collaboration; and to prepare mathematics students for advanced studies and/or careers in biology-related fields.

Required Courses

BIOL 213 & BIOL 215	Cell Structure and Function and Cell Structure and Function Laboratory	4
BINF 401	Bioinformatics and Computational Biology I	3
MATH 307	Mathematical Modeling	3
MATH 413	Modern Applied Mathematics I	3

Elective Courses

Select four courses from the following:		12
MATH 314	Advanced Differential Equations	
MATH 315	Advanced Calculus I	
MATH 351	Probability	
MATH 352	Statistics	
MATH 446	Numerical Analysis I	
MATH 464	Linear Algebra with Data Applications	

Select one course from the following:		4

BIOL 300	BioDiversity	
BIOL 308 & BIOL 338	Foundations of Ecology and Evolution(Mason Core) and Foundations of Ecology and Evolution Laboratory(Mason Core)	
BIOL 311 & BIOL 313	General Genetics and Course BIOL 313 Not Found	
Select two courses from the following:		6
BINF 354	Foundations in Mathematical Biology(Mason Core)	
BINF 402	Bioinformatics and Computational Biology II	
CDS 301	Scientific Information and Data Visualization	
CDS 302	Scientific Data and Databases(Mason Core)	
STAT 460	Introduction to Biostatistics	
Total Credits		35

Concentration in Pure Mathematics (PURM)

Pure mathematics is the study of ideas and structures that underlie all of mathematics. This concentration provides exciting opportunities for students interested in advanced coursework in the fields traditionally referred to as "pure mathematics". The concentration prepares students for a wide variety of careers involving mathematical thinking or graduate studies in pure mathematics.

Breadth Requirements

MATH 315	Advanced Calculus I	3
MATH 321	Abstract Algebra	3
MATH 411	Functions of a Complex Variable	3
Select one course from the following:		3
MATH 312	Geometry	
MATH 431	Topology	

Depth Requirements

Select two courses (not previously taken) from the following:		6
MATH 312	Geometry	
MATH 316	Advanced Calculus II	
MATH 325	Discrete Mathematics II	

MATH 421	Abstract Algebra II	
MATH 431	Topology (if not chosen above)	
MATH 432	Differential Geometry	
MATH 433	Algebraic Geometry	
Additional Mathematics		
Select 3 credits of upper level MATH-prefixed credits (not previously taken). [1]		3
Additional Science		
Select one option from the following:		4-9
Option One		
A second sequence from the choices under "Science" above		
Option Two [2]		
Select 6 credits from more advanced courses in biology, chemistry, geology, or physics		
Option Three		
The 4-credit option of PHYS 262 and PHYS 263		
Option Four		
Select two courses from the following:		
CDS 230	Modeling and Simulation I	
CDS 301	Scientific Information and Data Visualization	
CS 211	Object-Oriented Programming	
CS 310	Data Structures	
CS 330	Formal Methods and Models	
CS 483	Analysis of Algorithms	
Total Credits		25-30

[1]
Excluding MATH 400 History of Math (Topic Varies)(Mason Core)

[2]
Only refers to courses acceptable for credit toward a natural science major. Consider courses (not previously taken) from the following: (BIOL 213 Cell Structure and Function and BIOL 215 Cell Structure and Function Laboratory), BIOL 300-499, CHEM 300-499, GEOL 300-499, PHYS 300-499.

Concentration in Actuarial Mathematics (ACTM)

This concentration provides exciting opportunities for students interested in studying actuarial mathematics. Expertise in this field leads directly into a career as a practicing actuary with an insurance company, consulting firm, or in government employment.

Actuarial Mathematics Courses		
MATH 351	Probability	3
MATH 352	Statistics	3
MATH 551	Regression and Time Series	3
MATH 554	Financial Mathematics	3
MATH 555	Actuarial Modeling I	3
MATH 557	Financial Derivatives	3
ACCT 203	Survey of Accounting	3
ECON 103	Contemporary Microeconomic Principles(Mason Core)	3
ECON 306	Intermediate Microeconomics [1]	3
or ECON 310	Money and Banking	
or FNAN 321	Financial Institutions	
STAT 362	Introduction to Computer Statistical Packages	3
Select two courses from the following:		6
MATH 441	Deterministic Optimization	
MATH 442	Stochastic Models	
MATH 446	Numerical Analysis I	
MATH 453	Advanced Mathematical Statistics	
Total Credits		36

[1] For mathematics majors, the Department of Economics has agreed to waive the ECON 104 prerequisite.

Concentration in Applied Mathematics (AMT)

This concentration provides exciting opportunities for students interested in taking additional classes in applied mathematics. The concentration prepares students to deal with real-world applications in science and engineering, or to pursue graduate studies in applied mathematics.

Applied Mathematics Courses		
MATH 313	Introduction to Applied Analysis	3

MATH 315	Advanced Calculus I	3
MATH 351	Probability	3
MATH 413	Modern Applied Mathematics I	3
MATH 446	Numerical Analysis I	3
Select 3 credits of MATH courses numbered above 300 (not previously taken). [1]		3
Select two courses from the following:		6
MATH 314	Advanced Differential Equations	
MATH 414	Modern Applied Mathematics II	
MATH 478	Introduction to Partial Differential Equations with Numerical Methods	

Additional Science Courses

Select additional science credits from one of the following options:		4-9
Option One		
A second sequence from the choices under "Science" above		
Option Two [2]		
Select 6 credits from more advanced courses in biology, chemistry, geology, or physics		
Option Three		
The 4-credit option of PHYS 262 and PHYS 263		
Option Four		
Select two courses from the following:		
CDS 230	Modeling and Simulation I	
CDS 301	Scientific Information and Data Visualization	
CS 211	Object-Oriented Programming	
CS 310	Data Structures	
CS 330	Formal Methods and Models	
CS 483	Analysis of Algorithms	
Total Credits		28-33

[1]
Excluding MATH 400 History of Math (Topic Varies)(Mason Core)

[2]

Only refers to courses acceptable for credit toward a natural science major. Consider courses (not previously taken) from the following: (BIOL 213 Cell Structure and Function and BIOL 215 Cell Structure and Function Laboratory), BIOL 300-499, CHEM 300-499, GEOL 300-499, PHYS 300-499.

Concentration in Data Science (DSCI)

The data science concentration prepares math majors for careers in industry and academia with a focus on the rapidly developing area of mathematics of data science. Students in this program will develop analytical and computational skills that will provide a deeper understanding of machine learning and data science concepts. By mastering the theoretical foundation underlying practical algorithms and uncovering inherent connections with several branches of modern mathematics, students will hone their creativity and independent thinking skills necessary to lead the data science revolution.

Data Science Courses		
MATH 315	Advanced Calculus I	3
MATH 351	Probability	3
MATH 446	Numerical Analysis I	3
MATH 464	Linear Algebra with Data Applications	3
Select two from the following:		6-7
MATH 447	Numerical Analysis II	
MATH 462 & MATH 463	Mathematics of Machine Learning and Industrial Applications I and Mathematics of Machine Learning and Industrial Applications II	
MATH 465	Mathematics of Data Science	
Select one course from the following:		3
MATH 352	Statistics	
STAT 350	Introductory Statistics II	
STAT 360	Introduction to Statistical Practice II	
STAT 356	Statistical Theory	
Select one course from the following:		3
CDS 301	Scientific Information and Data Visualization	
CDS 302	Scientific Data and Databases(Mason Core)	
CS 310	Data Structures	
Additional Science Courses		
Select additional science credits from one of the following options:		3-4

Option One

Select one course from the following:

BIOL 213	Cell Structure and Function	
& BIOL 215	and Cell Structure and Function Laboratory	
CHEM 211	General Chemistry I(Mason Core)	
& CHEM 213	and General Chemistry Laboratory I(Mason Core)	
GEOL 101	Physical Geology(Mason Core)	
& GEOL 103	and Physical Geology Lab(Mason Core)	
PHYS 160	University Physics I(Mason Core)	
& PHYS 161	and University Physics I Laboratory(Mason Core)	

Option Two

Select 3 credits from more advanced courses in biology, chemistry, geology, or physics [1]

Option Three

The 4-credit option of PHYS 262 and PHYS 263

Total Credits	27-29

[1] Only refers to courses acceptable for credit toward a natural science major. Consider courses (not previously taken) from the following: (BIOL 213 Cell Structure and Function and BIOL 215 Cell Structure and Function Laboratory), BIOL 300-499, CHEM 300-499, GEOL 300-499, PHYS 300-499.

Concentration in Mathematical Statistics (MTHS)

This concentration provides exciting opportunities for students interested in taking additional classes on statistics and data analysis. The concentration prepares data analysts able to deal with real world applications in science and engineering.

Mathematical Statistics Courses

MATH 315	Advanced Calculus I	3
MATH 351	Probability	3
MATH 352	Statistics	3
MATH 453	Advanced Mathematical Statistics	3
MATH 551	Regression and Time Series	3
STAT 362	Introduction to Computer Statistical Packages	3
Select one from the following:		3

STAT 260	Introduction to Statistical Practice I	
STAT 350	Introductory Statistics II	
STAT 360	Introduction to Statistical Practice II	
Select two from the following:		6
STAT 455	Experimental Design	
STAT 460	Introduction to Biostatistics	
STAT 462	Applied Multivariate Statistics	
STAT 463	Introduction to Exploratory Data Analysis	
STAT 465	Nonparametric Statistics and Categorical Data Analysis	
STAT 472	Introduction to Statistical Learning	
STAT 474	Introduction to Survey Sampling	

Additional Science Courses

Select additional science credits from one of the following options:		3-4
Option One		
Select one from the following:		
BIOL 213	Cell Structure and Function	
& BIOL 215	and Cell Structure and Function Laboratory	
CHEM 211	General Chemistry I(Mason Core)	
& CHEM 213	and General Chemistry Laboratory I(Mason Core)	
GEOL 101	Physical Geology(Mason Core)	
& GEOL 103	and Physical Geology Lab(Mason Core)	
PHYS 160	University Physics I(Mason Core)	
& PHYS 161	and University Physics I Laboratory(Mason Core)	
Option Two [1]		
Select 3 credits from more advanced courses in biology, chemistry, geology, or physics		
Option Three		
Select the 4-credit option of PHYS 262 and PHYS 263		
Option Four		
Select one course from the following:		

CDS 230	Modeling and Simulation I
CDS 301	Scientific Information and Data Visualization
CS 211	Object-Oriented Programming
CS 310	Data Structures
CS 330	Formal Methods and Models
CS 483	Analysis of Algorithms

Total Credits   30-31

1

Only refers to courses acceptable for credit toward a natural science major. Consider courses (not previously taken) from the following: (BIOL 213 Cell Structure and Function and BIOL 215 Cell Structure and Function Laboratory), BIOL 300-499, CHEM 300-499, GEOL 300-499, PHYS 300-499.

Retroactive Requirements Updates:	For CY 25-26, 24-25, 23-24, 22-23, allow the combination of BIOL 213 & BIOL 215 (4cr) to fill BIOL 213 (4cr) in the Biology Sequence and Additional Science Courses (MTHS & DSCI concentrations) requirements.
Plan of Study:	
Honors Information:	# Honors in the Major

Eligibility

Mathematics majors who have maintained a GPA of at least 3.50 in mathematics courses and a GPA of 3.50 in all courses taken at George Mason University may apply to the departmental honors program upon completion of two MATH courses at the 300+ level (excluding MATH 400 History of Math (Topic Varies)(Mason Core)), at least one of which has MATH 300 Introduction to Advanced Mathematics(Mason Core) as a prerequisite. Admission to the program will be monitored by the undergraduate committee.

Honors Requirements

To graduate with honors in mathematics, a student is required to maintain a minimum GPA of 3.50 in mathematics courses and successfully complete MATH 405 Honors Thesis in Mathematics I and MATH 406 RS: Honors Thesis in Mathematics II with an average GPA of at least 3.50 in these two courses.

| Accelerated Description/Dual Degree Description: | |
| **INTO-Mason Requirements:** | |

College
Requirements &
Policies:

Department /
Academic Unit
Requirements &
Policies:

Program Outcomes

Additional Program Information

This information is required by the Office of Accreditation and Program Integrity.

**Courses offered via
distance (if
applicable):**

Indicate whether

**What is the
primary delivery
format for the
program?**   Face-to-Face Only

Does any portion of this program occur off-campus?

                    No

Are you working with a vendor / other collaborators to offer your program?

                    No

**Related
Departments**

**Could this program prepare students for any type of professional licensure, in
Virginia or elsewhere?**

                    No

Are you adding or removing a licensure component?

                    No

Additional SCHEV & SACSCOC Information

Is the content of the new progran
Which existing approved
Is this new program considered to
Which existing approved
Is this new program considered to
Which existing approved
Is this a re-opening of a program
Date of Program Closure
What are the methods of delivery
Does this program include a

Is this change a simple retitling of an existing program, with no other changes, to any existing program content, curriculum requirements, etc?

No

Does this change represent a repackaging of content in an existing approved degree/certificate program at the same instructional level (i.e., baccalaureate, master's, or doctoral)?

No

Which existing approved

Percentage of total credits containing new course content. ("New course content" is defined by SACSCOC as content that is not currently included in an existing approved degree/certificate program at the same instructional level. Do not exclude gen ed credits in calculations for undergraduate programs.)

0%-24%

Does this change include the addition of a distance education or face-to-face method of delivery for this program?

No

What is the new method of

Does this change include the addition of a course/credit-based competency-based education delivery option?

No

Will any additional equipment/facilities be needed?

No

Description of institutional

Will any additional faculty be required?

No

Description of institutional

Will any additional financial resources be needed?

No

Description of institutional

Additional library/learning resources needed?

No

Description of institutional

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

Green Leaf Program Designation

Is this a Green Leaf   No
program?

Green Leaf
Sustainability-focused academic progra
Relationship to
Relationship to
List sustainability-

Sustainability-related academic
List sustainability-

Does this program cover material which crosses into another department?

No

Impacted

Additional   UGC-COS-Program Mod BS Math.pdf
Attachments
                         UGC-COS-Program-Mod-bsmath_001.pdf

                         BS_in_math_modification_ProgramApprovalForm_COSCC-
                         2_ACTUARIAL.pdf

SCHEV Proposal

Executive Summary

Reviewer
Comments
  Jasmine Copeland (jcopela4) (02/19/26 2:11 pm): Rollback: Rolling back to insert retro
  wording discussed in UGC
  Jasmine Copeland (jcopela4) (02/27/26 2:04 pm): Rollback: Rolling back per Jen's request
  Jasmine Copeland (jcopela4) (03/06/26 11:49 am): Rollback: Rolling back per Jen's request

Additional
Comments

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

%wi_required.eschtml%

Attached

Key: 587