BS Mathematics

12 credits in the major and 9 credits in the minor must be completed at Alvernia University

When pursuing a double major, you must have 12 distinct credits between the two majors.

Semester 1	Credits	Semester 2	Credits
Diversity graduation requirement cannot be fulfilled through major courses; students should fulfill this with a Gen Ed class			
Writing Enhance graduation requirement cannot be fulfilled through major courses; students should fulfill this with a Gen Ed class			
MAT 230: Calculus I	4	MAT 231: Calculus II	4
SRH 101: SEARCH Seminar: Enduring Questions/	3	MAT 209: Probability & Statistics	3
HNR 160		THE 105 **or** PHI 105	3
COM 101: Composition & Research	3	GEN ED	3
THE 105 or PHI 105	3	GEN ED	3
GEN ED	3		
TOTAL	**16**	**TOTAL**	**16**
Complete 5 hours of Community Service		Complete 5 hours of Community Service	
Semester 3	**Credits**	**Semester 4**	**Credits**
MAT 232: Calculus III	4	MAT 240: Linear Algebra 23-24	3
MAT 250: Discrete Mathematics	3	MAT 322: Differential Equations	3
CS 115: Intro to Programming	3	MATH ELECTIVE	3
GEN ED	3	GEN ED	3
GEN ED	3	GEN ED	3
TOTAL	**16**	**TOTAL**	**15**
Complete 5 hours of Community Service			
Semester 5	**Credits**	**Semester 6**	**Credits**
MATH 420: Abstract Analysis 23-24	3	PHY 201: Physics II	3
PHY 200: Physics I	4	MATH ELECTIVE	4
MATH ELECTIVE	3	GEN ED	3
GEN ED	3	GEN ED	3
GEN ED	3	GEN ED	3
TOTAL	**16**	**TOTAL**	**16**
Complete 5 hours of Community Service		Complete 5 hours of Community Service	
Semester 7	**Credits**	**Semester 8**	**Credits**
MAT 401: Real Analysis 23-24	3	SCI 402: Seminar	2
MATH ELECTIVE	3	MATH ELECTIVE	3
GEN ED	3	GEN ED	3
GEN ED	3	GEN ED	3
GEN ED	3	GEN ED	3
TOTAL	**15**	**TOTAL**	**14**
Complete 5 hours of Community Service		Complete 5 hours of Community Service	

Academic Policy on **Eligibility for Participation of May Commencement Ceremony**

The academic policy, which the Registrar follows, is: A student who has 6 or less credits remaining to complete the degree may participate in the May Commencement Ceremony. The Graduation Application is available online in myAlvernia on the 'Academics' tab. Seniors must submit the Graduation Application to the Registrar's Office as follows: October 1 for May Graduation; December 1 for August graduation; and March 1 for December graduation.

If you have any questions, please call the Registrar's Office (610.796.8201)

Curriculum Sheets, EAB Navigate, and AUAdvise

The information on this page and the Curriculum Sheet is provided in AUAdvise - EAB Navigate as a static tool for discussion purposes when meeting with students to schedule courses. Degree Audit uAcheive remains the official source for each student's curiculum audit. Degree Audit uAchieve must be used together with the Curriculum Sheet to determine whether the information noted during scheduling meetings on the curriculum sheet remains accurate.

General Notes

- A minimum of 123 credits are required for graduation.
- Where appropriate, courses required for the major can be used to satisfy General Education requirements. However, the credits earned for these courses are applied to either Gen Ed requirements or the major, not both.
- Paths of Knowledge coursework may count towards major or minor requirements but may not fulfill a second Mid-Level Liberal Arts Exploration requirement.
- Students are expected to follow the catalog requirements for General Education, the major, and additional requirements.
- A minor or second major within the areas listed under Paths of Knowledge automatically fulfills that area of the Gen Ed requirements.
- Students must complete 45 of their last 60 credits at Alvernia University
- Students must complete community service hours as part of the General Education Program

Degree/Major: BS MATHEMATICS

Name: _____ **Id:** _____

2nd Major: _____ **3rd Major:** _____ **Minor:** _____ **2nd Minor:** _____ **Matriculation Year 2023-2024 - Term:** _____

GENERAL EDUCATION **Grade** **Notes:**

Enduring Questions (12 cr)
/☐/ SEARCH Sem. Enduring Questions (3) ____ _____
/☐/ THE 105 Foundations of Theology (3) ____ _____
/☐/ PHI 105 Introduction to Philosophy (3) ____ _____
/☐/ COM 101 Composition & Research (3) ____ _____
(C grade or better)

Exploring the Natural World (6-8)
☒ Met in Major _____(x) ____ _____
(***not*** MAT 100)
☒ Met with PHY _____(x) ____ _____
(Science with Lab)

Culture & Language (9 cr)
/☐/ COM _____(3) ____ _____
(***not*** COM 100 or 101)
World Language – 2 courses in sequence
/☐/ _____(3) ____ _____
/☐/ _____(3) ____ _____

Individuals & Communities (6 cr)
/☐/ HIS or POS _____(3) ____ _____
/☐/ _____(3) ____ _____
(PSY, HIS, POS, SOC, SSC, or ECON)

Creative Expressions (6 cr)
/☐/ LIT _____(3) ____ _____
/☐/ _____(3) ____ _____
(Art, Music, or Theatre)

Ethical Leaders & Followers (6 cr)
/☐/ THE/PHI _____(3) ____ _____
(200-400 level)
/☐/ THE/PHI _____(3) ____ _____
(ethics/morality @ 200 level)

Paths of Knowledge (9 cr @ 200-400 level in ONE path)
Path 1: Interdisciplinary Study; at least two from Liberal Arts
Path 2: Multidisciplinary Study; at least two from Liberal Arts
Path 3: In-depth Disciplinary Study; from same Liberal Arts discipline

/☐/ _____( ) ____ _____
/☐/ _____( ) ____ _____
/☐/ _____( ) ____ _____

☐ Human Diversity: _____
☐ Senior Capstone: will be met with MAT 415
☐ Writing Enhanced Course: _____
☐ Community Service Hours: Required: _____ Met: ____
☐ Overall GPA >= 2.00
☐ GPA in Major >= 2.00
☐ Min 123 non-remedial credits earned

Residency Requirements:
☐ 45 of last 60 credits
☐ Min 12 Alvernia credits in major
☐ Min 9 Alvernia credits in minor (if applicable) ☐
Min 123 non-remedial credits earned

MATHEMATICS (53-56 cr) **Grade** **Notes:**
Major (30-33 cr)
/☐/ MAT 204 or 250 (3) ____ _____
/☐/ MAT 209 Probability & Statistics (3) ____ _____
/☐/ MAT 230 Calculus I (4) ____ _____
/☐/ MAT 231 Calculus II (4) ____ _____
/☐/ MAT 232 Calculus III (4) ____ _____
/☐/ MAT 240 Linear Algebra (3) ____ _____
/☐/ MAT 401 Real Analysis (3) ____ _____
/☐/ MAT 415 Mathematics Seminar (3) ____ _____
/☐/ MAT 420 Abstract Algebra (3) ____ _____

Recommended:
/☐/ MAT 131 Pre-Calculus (3) ____ _____

Major Electives (12 cr)
Choose 4 additional MAT courses from the 300 level or above (excluding MAT 345) including SCI 305
/☐/ MAT 300+ _____( ) ____ _____
/☐/ MAT 300+ _____( ) ____ _____
/☐/ MAT 300+ _____( ) ____ _____
/☐/ MAT 300+ or SCI 305 _____( ) ____ _____

Related Requirements (11 cr)
/☐/ CS 115 Intro to Programming (3) ____ _____
/☐/ PHY 200 Physics I (4) ____ _____
/☐/ PHY 201 Physics II (4) ____ _____

MINOR (optional) (17-21 cr)
/☐/ _____( ) ____ _____
/☐/ _____( ) ____ _____
/☐/ _____( ) ____ _____
/☐/ _____( ) ____ _____
/☐/ _____( ) ____ _____
/☐/ _____( ) ____ _____
/☐/ _____( ) ____ _____

ELECTIVES (as needed)
/☐/ _____( ) ____ _____
/☐/ _____( ) ____ _____
/☐/ _____( ) ____ _____
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10/31/2023