

### Eight Semester Plan 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
<b>Diversity graduation requirement <i>cannot</i> be fulfilled through major courses; students should fulfill this with a Gen Ed SEARCH class</b>			
<b>Writing Enhanced graduation requirement <i>cannot</i> be fulfilled through major courses; students should fulfill this with a Gen Ed SEARCH class</b>			
SRH 101: Search Sem-Enduring Questions or HNR 160: Honor Search-Enduring Questions	3	MAT 231: Calculus II	4
MAT 230: Calculus I	4	MAT 209: Probability & Statistics	3
COM 101: Composition & Research	3	THE 105 or PHI 105	3
THE 105 or PHI 105	3	GEN ED	3
GEN ED	<u>3</u>	GEN ED	<u>3</u>
<b>TOTAL</b>	<b>16</b>	<b>TOTAL</b>	<b>16</b>
Semester 3	Credits	Semester 4	Credits
MAT 232: Calculus III	4	MAT 240: Linear Algebra	3
MAT 250: Discrete Mathematics	3	MAT 322: Differential Equations	3
CS 115: Introduction to Programming	3	GEN ED	3
GEN ED	3	GEN ED	3
GEN ED	<u>3</u>	GEN ED	<u>3</u>
<b>TOTAL</b>	<b>16</b>	<b>TOTAL</b>	<b>15</b>
Semester 5	Credits	Semester 6	Credits
MATH 420: Abstract Algebra	3	PHY 201: Physics II	4
PHY 200: Physics I	4	MATH ELECTIVE	3
MATH ELECTIVE	3	GEN ED	3
GEN ED	3	GEN ED	3
GEN ED	<u>3</u>	GEN ED	<u>3</u>
<b>TOTAL</b>	<b>16</b>	<b>TOTAL</b>	<b>16</b>
Semester 7	Credits	Semester 8	Credits
MAT 401: Real Analysis	3	MAT 415: Mathematics Capstone	3
MATH ELECTIVE	3	MATH ELECTIVE	3
GEN ED	3	GEN ED	3
GEN ED	3	GEN ED	3
GEN ED	<u>3</u>	Elective	<u>3</u>
<b>TOTAL</b>	<b>15</b>	<b>TOTAL</b>	<b>15</b>

#### 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)*