

## Sample Curriculum Plan: B.A. Mathematics

### Freshman Year

Fall Semester			Spring Semester		
Course Title (Credits)	Catalog Number	REQ	Course Title (Credits)	Catalog Number	REQ
Calculus I (4)	MAT161	X	Calculus II (4)	MAT162	X
Using Technology to Explore Calculus I (1)	MAT163	X	Using Technology to Explore Calculus II (1)	MAT164	X
<i>IF: College Writing I (3)</i>	CWP101	X	<i>IF: College Writing II (3)</i>	CWP102	X
<i>IF: Global Engagement (3)</i>		X	<i>IF: Global Engagement (3)</i>		X
<i>IF: Arts (3)</i>		X	<i>IF: Humanities (3)</i>		X
<b>Total Credits: 14</b>			<b>Total Credits: 14</b>		

### Sophomore Year

Fall Semester			Spring Semester		
Course Title (Credits)	Catalog Number	REQ	Course Title (Credits)	Catalog Number	REQ
Calculus III (4)	MAT263	X	Introduction to Linear Algebra (3)	MAT202	X
Using Technology to Explore Calculus III (1)	MAT264	X	Technique of Proof (3)	MAT300	X
Discrete Math (3)	MAT270	X	<i>IF: American History (3)</i>		X
<i>IF: Natural Sciences (3)</i>		X	<i>IF: Western Civilizations (3)</i>		X
<i>IF: Social Sciences (3)</i>		X	<i>Open Elective (3)</i>		
<i>Open Elective (3)</i>					
<b>Total Credits: 16</b>			<b>Total Credits: 15</b>		

### Junior Year

Fall Semester			Spring Semester		
Course Title (Credits)	Catalog Number	REQ	Course Title (Credits)	Catalog Number	REQ
Probability (3)	MAT381	X	Fundamentals of Abstract Algebra (3)	MAT301	X
Upper Division Math Elective (3)		X	Upper Division Math Elective (3)		X
<i>IF: Non-Western Civilizations (3)</i>		X	<i>IF: Diversity (3)</i>		X
<b>Open Elective (3)</b>			<b>Open Elective (3)</b>		
<b>Open Elective (3)</b>			<b>Open Elective (3)</b>		
<b>Total Credits: 15</b>			<b>Total Credits: 15</b>		

### Senior Year

Fall Semester			Spring Semester		
Course Title (Credits)	Catalog Number	REQ	Course Title (Credits)	Catalog Number	REQ
Introduction to Real Analysis (3)	MAT417	X	Complex Variables (3)	MAT411	X
Upper Division Math Elective (3)		X	Capstone Research in Mathematics (3)	MAT491	X
<b>Open Elective (3)</b>			Upper Division Math Elective (3)		X
<b>Open Elective (3)</b>			<b>Open Elective (3)</b>		
<b>Open Elective (3)</b>			<b>Open Elective (3)</b>		
<b>Total Credits: 15</b>			<b>Total Credits: 15</b>		

**OVERALL TOTAL CREDITS: 120**

Possible upper division Math electives (check prerequisites!): MAT 302, MAT 309, MAT 315, MAT 316, MAT 318, MAT 319, MAT 322, MAT 351, MAT 366, MAT 370, MAT 382, MAT 383, MAT 390, MAT 401, MAT 404, MAT 418, MAT 431, MAT 461, MAT 471, MAT 481, MAT 484, MAT 490, MAT 495, MAT 499.