

Sample Curriculum Plan: B.S. in Applied 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
Total Credits: 14			Total Credits: 14		

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	Discrete Mathematics (3)	MAT270	X
Computer Mathematics I (3)	MAT241	X	Computer Mathematics II (3)	MAT366	X
<i>IF: Natural Sciences (3)</i>		X	<i>IF: American History (3)</i>		X
<i>IF: Social Sciences (3)</i>		X	<i>IF: Western Civilizations (3)</i>		X
<i>Open Elective (3)</i>					
Total Credits: 16			Total Credits: 15		

Junior Year

Fall Semester			Spring Semester		
Course Title (Credits)	Catalog Number	REQ	Course Title (Credits)	Catalog Number	REQ
Probability Theory (3)	MAT381	X	Mathematical Statistics (3)	MAT382	X
Upper Division Math Elective (3)		X	Upper Division Math Elective (3)		X
Differential Equations (3)	MAT315	X	<i>IF: Diversity (3)</i>		X
<i>IF: Non-Western Civilizations (3)</i>		X	Open Elective (3)		
Open Elective (3)			Open Elective (3)		
Total Credits: 15			Total Credits: 15		

Senior Year

Fall Semester			Spring Semester		
Course Title (Credits)	Catalog Number	REQ	Course Title (Credits)	Catalog Number	REQ
Track Elective (3)		X	Track Elective (3)		X
Upper division Elective (3)		X	Special Project (3)	AMT495	X
Open Elective (3)			Upper Division Math Elective (3)		X
Open Elective (3)			Open Elective (3)		
Open Elective (3)			Open Elective (3)		
Total Credits: 15			Total Credits: 15		

OVERALL TOTAL CREDITS: 120

Possible **track electives** and upper division Math electives (check prerequisites!): MAT 316, **MAT 318**, **MAT 319**, MAT 370, **MAT 383**, **MAT 390**, MAT401, MAT 404, MAT411, MAT 417, **MAT 461**, MAT 481, **MAT 484**, MAT 490, MAT 499.