

Sample Curriculum Plan: B.S. + M.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
			Introduction to Linear Algebra (3)	MAT202	X
<i>IF: College Writing I (3)</i>	CWP101	X			
<i>IF: Global Engagement (3)</i>		X	<i>IF: College Writing II (3)</i>	CWP102	X
<i>IF: Arts (3)</i>		X	<i>IF: Global Engagement (3)</i>		X
<i>IF: Humanities (3)</i>		X	<i>IF: Social Sciences (3)</i>		
Total Credits: 17			Total Credits: 17		

Sophomore Year

Fall Semester			Spring Semester		
Course Title (Credits)	Catalog Number	REQ	Course Title (Credits)	Catalog Number	REQ
Calculus III (4)	MAT263	X	Discrete Mathematics (3)	MAT270	X
Using Technology to Explore Calculus III (1)	MAT264	X	Differential Equations (3)	MAT315	X
Computer Mathematics I (3)	MAT241	X	Computer Mathematics II (3)	MAT366	X
			<i>IF: Non-Western Civilizations (3)</i>		X
<i>IF: Natural Sciences (3)</i>		X	<i>IF: Diversity (3)</i>		X
<i>IF: American History (3)</i>		X			
<i>IF: Western Civilizations (3)</i>		X			
Total Credits: 17			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
Upper Division Math Elective (3)		X	Open Elective (3)		
Open Elective (3)			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
Graduate Course #1 (3)	PSM601	X	Graduate Course #2 (3)	Equivalent	X
Open Elective (3)			Upper Division Math Elective (3)		X
Open Elective (3)			Open Elective (3)		
Total Credits: 15			Total Credits: 15		

Graduate Year

Fall Semester			Spring Semester		
Course Title (Credits)	Catalog Number	REQ	Course Title (Credits)	Catalog Number	REQ
Graduate Course #3 (3)	ACM610s	X	Graduate Course #7 (3)	ACM600s	X

Graduate Course #4 (3)	ACM630	X	Graduate Course #8 (3)	PSM602	X
Graduate Course #5 (3)	Equivalent	X	Graduate Course #9 (3)	Equivalent	X
Graduate Course #6 (3)	PSM603	X	Graduate Course #10 (3)	ACM690	X
Total Credits: 12			Total Credits: 12		
OVERALL TOTAL CREDITS: 120 (undergraduate) + 30 (graduate) = 150					

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 499.