

Applied Mathematics 8 Semester Degree Plan

This document is a suggested four-year schedule of courses based on the degree requirements for the current catalog and is not a substitute for academic advisement. See the college catalog for a complete list of requirements and electives for the degree.

FRESHMAN YEAR	Fall I			Spring I		
	Course Number	Course Name	Credit Hours	Course Number	Course Name	Credit Hours
	MAT 201	Calculus I (or Math Placement)	3	MAT 210	Calculus II	3
	CIS 100	Introduction to Computers	3	DSC 110	Introduction to Data Science & Analytics	3
	ENG 101	English Composition I	3	ENG 102	English Composition II	3
	FRE 101	Foundations of Success	3	SCI Requirement	See degree plan options	3
	BTS 105	Foundations of Ethics	3		Biblical/Ethical Requirement	3
		Total Hours	15		Total Hours	15
SOPHOMOR YEAR	Milestones					
	Complete Year 1 with a minimum 2.8 GPA ■ Attend Chapel regularly for credit ■ Meet with FACE Advisor					
	Fall II			Spring II		
	Course Number	Course Name	Credit Hours	Course Number	Course Name	Credit Hours
	MAT 220	Calculus III	3	MAT 300	Introduction to Higher Math	3
	CIS 210	Introduction to Programming I	3	MAT 310	Linear Algebra	3
	PHI 200	Critical Thinking & Moral Decisions	3	CIS 220	Introduction to Programming II	3
		Communications	3	HIS Requirement	See degree plan options	3
		Biblical/Ethical Requirement	3		Biblical/Ethical Requirement	3
		Total Hours	15		Total Hours	15
JUNIOR YEAR	Milestones					
	Complete Year 2 with a minimum 2.8 GPA ■ Attend Chapel regularly for credit ■ Meet with FACE advisor ■ Declare a major Meet with the Career Engagement Coordinator to create a professional resume					
	Fall III			Spring III		
	Course Number	Course Name	Credit Hours	Course Number	Course Name	Credit Hours
	MAT 320	Differential Equations	3	MAT 410	Real Analysis	3
	MAT 401	Modern Algebra	3	Elective		3
	ENG 202	Introduction to Research	3	POL 101	American Government & Politics	3
		Fine Arts	3	Behavioral Science	See degree plan options	3
		Biblical/Ethical Requirement	3		Biblical/Ethical Requirement	3
		Total Hours	15		Total Hours	15
SENIOR YEAR	Milestones					
	Complete Year 3 with a minimum 2.8 GPA ■ Attend Chapel regularly for credit ■ Meet with declared major advisor Work with the Career Engagement Coordinator to identify internship (if applicable) ■ Apply for graduation					
	Fall IV			Spring IV		
	Course Number	Course Name	Credit Hours	Course Number	Course Name	Credit Hours
	MAT 420	Probability Theory	3	MAT 430	Mathematical Statistics	3
	MAT 440	Capstone/Internship	3		Biblical/Ethical Requirement	3
		Biblical/Ethical Requirement	3	Elective		3
		Elective	3	Elective		3
		Elective	3	Elective		3
		Total Hours	15		Total Hours	15
			Total Degree Requirements			120