

MATH: Applied Math Academic Map 2025-2026

Name: _____

ID: _____

This academic map is a suggested four-year schedule of courses based on degree requirements in the GGC catalog. This sample schedule serves as a general guideline to help build a full schedule each term. **Missing milestones could delay your program.**

FRESHMAN FALL			FRESHMAN SPRING			FRESHMAN SUMMER					
Course	Hours		Course	Hours		Course	Hours				
<input type="checkbox"/> ENGLISH COMPOSITION 1 ENGL 1101	3		<input type="checkbox"/> ENGLISH COMPOSITION 2 ENGL 1102	3		Recommend taking classes in the summer to stay on track					
<input type="checkbox"/> PRE-CALCULUS MATH 1113	4		<input type="checkbox"/> CALCULUS 1 MATH 2200	4		Suggested experiential learning experiences during Freshman year					
<input type="checkbox"/> INTRODUCTION TO COMPUTING ITEC 1001	4		<input type="checkbox"/> ITEC 2XXX ITEC 2110 or 2120	4		<ul style="list-style-type: none"> Individual faculty mentored research (STEC 2500) Calculus Study abroad program Actively engage within the mathematics club 					
<input type="checkbox"/> U.S. HISTORY HIST 2111 OR 2112	3		<input type="checkbox"/> HUMANITIES / FINE ARTS 2 RELN 1100 / GEOG 1101 / 2000-LEVEL FOREIGN LANGUAGE	3							
<input type="checkbox"/> CHOICES FOR LIFE PHED 1101	1		<input type="checkbox"/> PHYSICAL EDUCATION Any PHED except 1101	1							
TOTAL	15		TOTAL	15							
RUNNING TOTAL	15		RUNNING TOTAL	30							
SOPHOMORE FALL			SOPHOMORE SPRING			SOPHOMORE SUMMER					
<input type="checkbox"/> PRINCIPLES OF CHEMISTRY 1 CHEM 12111K	4		<input type="checkbox"/> PRINCIPLES OF CHEMISTRY 2 CHEM 12112K	4		Recommend taking classes in the summer to stay on track					
<input type="checkbox"/> LINEAR ALGEBRA MATH 2450	3		<input type="checkbox"/> SOCIAL SCIENCE PSYC 1102/SOCI 1101/ANTH 1102/ECON 2100	3		Suggested experiential learning experiences during Sophomore year					
<input type="checkbox"/> CALCULUS 2 MATH 2210	4		<input type="checkbox"/> CALCULUS 3 MATH 2220	3		<ul style="list-style-type: none"> Peer Supplemental Instruction leaders (STEC 4800) Conference/Seminar attendance and presentations/ Summer REU Leadership roles within the Math club 					
<input type="checkbox"/> PHYSICAL EDUCATION Any PHED except 1101	1		<input type="checkbox"/> FOUNDATIONS OF MATH MATH 2500	3							
<input type="checkbox"/> HUMANITIES / FINE ARTS 1 MUSC 1100 / ARTS 1100 / ENGL 21XX / FILM 1005	3		<input type="checkbox"/> MATH MODELING MATH 2600	3							
TOTAL	15		TOTAL	16							
RUNNING TOTAL	45		RUNNING TOTAL	61							
JUNIOR FALL			JUNIOR SPRING			JUNIOR SUMMER					
<input type="checkbox"/> HISTORY HIST 1111, 1112, 1121, 1122, 2111, or 2112 (take one of these courses not already completed)	3		<input type="checkbox"/> NUMERICAL METHODS 1 MATH 3450	3		Recommend taking classes in the summer to stay on track					
<input type="checkbox"/> ABSTRACT ALGEBRA 1 MATH 3500	3		<input type="checkbox"/> APPLIED FIELD	4		Suggested experiential learning experiences during Junior year					
<input type="checkbox"/> APPLIED FIELD	4		<input type="checkbox"/> APPLIED MATH MATH 3350	3		<ul style="list-style-type: none"> Math Biology study abroad program/ Individual faculty mentored research (STEC 4500) Conference/Seminar attendance and presentations / Summer REU Leadership roles within the Math club National academic tests participation like Putnam 					
<input type="checkbox"/> MATHEMATICAL STATISTICS 1 MATH 3300	3		<input type="checkbox"/> DIFFERENTIAL EQUATIONS 1 MATH 3100	3							
<input type="checkbox"/> MATH/APPLIED ELECTIVE 3000-4000 LEVEL	3		<input type="checkbox"/> REAL ANALYSIS 1 MATH 3700	3							
TOTAL	16		TOTAL	16							
RUNNING TOTAL	77		RUNNING TOTAL	93							
SENIOR FALL			SENIOR SPRING			Graduation in May!					
<input type="checkbox"/> APPLIED FIELD	3		<input type="checkbox"/> ELECTIVE ANY LEVEL	3							
<input type="checkbox"/> MATH/APPLIED ELECTIVE 3000-4000 LEVEL	3		<input type="checkbox"/> ELECTIVE ANY LEVEL	3							
<input type="checkbox"/> DIFFERENTIAL EQUATIONS 2 MATH 4100	3		<input type="checkbox"/> ADVANCED MATH MODELING MATH 4600	3							
<input type="checkbox"/> AMERICAN GOVERNMENT POLS1101	3		<input type="checkbox"/> MATH/APPLIED ELECTIVE 3000-4000 LEVEL	3							
<input type="checkbox"/> ELECTIVE ANY LEVEL	3		<input type="checkbox"/> CAPSTONE MATH COURSE MATH 4900	3							
TOTAL	15		TOTAL	15							
RUNNING TOTAL	108		RUNNING TOTAL	123							

This map is not a substitute for academic advisement—contact your advisor if you have any questions about scheduling or about your degree requirements. Also see the current undergraduate catalog for a complete list of requirements, electives, and pre-requisites. Note: Requirements are continually under revision, and there is no guarantee they will not be changed or revoked; contact the department and/or program area for current information. Specific summer courses may not be offered as planned. Created based on the GGC Concentration requirements.