MATH: Pure 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

Course	Hours
☐ **ENGLISH COMPOSITION 1** ENGL 1101	3
☐ **PRE-CALCULUS** MATH 1113	4
☐ **INTRODUCTION TO COMPUTING** ITEC 1001	4
☐ **U.S. HISTORY** HIST 2111 OR 2112	3
☐ **CHOICES FOR LIFE** PHED 1101	1
TOTAL	15
RUNNING TOTAL	15

FRESHMAN SPRING

Course	Hours
☐ **ENGLISH COMPOSITION 2** ENGL 1102	3
☐ **CALCULUS 1** MATH 2200	4
☐ **ITEC 2XXX** ITEC 2110 or 2120	4
☐ **HUMANITIES / FINE ARTS 2** RELN 1100 / GEOG 1101 / 2000-LEVEL FOREIGN LANGUAGE	3
☐ **PHYSICAL EDUCATION** Any PHED except 1101	1
TOTAL	15
RUNNING TOTAL	30

FRESHMAN SUMMER

Course	Hours

Recommend taking classes in the summer to stay on track

Suggested experiential learning experiences during Freshman year

- **Individual faculty mentored research (STEC 2500)**
- **Calculus Study abroad program**
- **Actively engage within the mathematics club**

SOPHOMORE FALL

☐ **PRINCIPLES OF CHEMISTRY 1** CHEM 12111K	4
☐ **LINEAR ALGEBRA** MATH 2450	3
☐ **CALCULUS 2** MATH 2210	4
☐ **PHYSICAL EDUCATION** Any PHED except 1101	1
☐ **HUMANITIES / FINE ARTS 1** MUSC 1100 / ARTS 1100 / ENGL 21XX / FILM 1005	3
TOTAL	15
RUNNING TOTAL	45

SOPHOMORE SPRING

☐ **PRINCIPLES OF CHEMISTRY 2** CHEM 12112K	4
☐ **SOCIAL SCIENCE** PSYC 1102/SOCI 1101/ANTH 1102/ECON 2100	3
☐ **CALCULUS 3** MATH 2220	3
☐ **FOUNDATIONS OF MATH** MATH 2500	3
☐ **DIFFERENTIAL EQUATIONS** MATH 3100	3
TOTAL	16
RUNNING TOTAL	61

SOPHOMORE SUMMER

Recommend taking classes in the summer to stay on track

Suggested experiential learning experiences during Sophomore year

- **Peer Supplemental Instruction leaders (STEC 4800)**
- **Conference/Seminar attendance and presentations/ Summer REU**
- **Leadership roles within the Math club**

JUNIOR FALL

☐ **HISTORY** HIST 1111, 1112, 1121, 1122, 2111, or 2112 (take one of these courses not already completed)	3
☐ **ABSTRACT ALGEBRA 1** MATH 3500	3
☐ **PRINCIPLES OF PHYSICS 1** PHYS 2211K	4
☐ **MATHEMATICAL STATISTICS 1** MATH 3300	3
☐ **MATH ELECTIVE** 3000-4000 level	3
TOTAL	16
RUNNING TOTAL	77

JUNIOR SPRING

☐ **ELECTIVE** ANY LEVEL	3
☐ **Abstract Algebra 2 or MATH ELECTIVE**	3
☐ **REAL ANALYSIS 1** MATH 3700	3
☐ **PRINCIPLES OF PHYSICS 2** PHYS 2212K	4
☐ **ELECTIVE** ANY LEVEL	3
TOTAL	16
RUNNING TOTAL	93

JUNIOR SUMMER

Participate in Research Experience for Undergraduates (REU) program.

Suggested experiential learning experiences during Junior year

- **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**

SENIOR FALL

☐ **ELECTIVE** ANY LEVEL	3
☐ **Real Analysis 2 or MATH ELECTIVE**	3
☐ **SENIOR MATH** MATH 4150 OR 4250 OR OTHER 4000-LEVEL MATH	3
☐ **AMERICAN GOVERNMENT** POLS1101	3
☐ **MATH ELECTIVE** 3000-4000 level	3
TOTAL	15
RUNNING TOTAL	108

SENIOR SPRING

☐ **ELECTIVE** ANY LEVEL	3
☐ **ELECTIVE** ANY LEVEL	3
☐ **SENIOR MATH** MATH 4150 OR 4250 OR OTHER 4000-LEVEL MATH	3
☐ **MATH ELECTIVE** 3000-4000 level	3
☐ **CAPSTONE MATH COURSE** MATH 4900	3
TOTAL	15
RUNNING TOTAL	123

Graduation in May!

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.*