ABOUT THE MAJOR
The Bachelor of Science degree program has multiple tracks, each designed for specific career goals. The student’s advisor will help the student choose the best track, based on the student’s interests. Plan A, a traditional mathematics option, offers students a broad background in mathematics and is principally designed to prepare students for graduate study in pure or applied mathematics.

ABOUT THIS MAP
This program map is intended ONLY as a guide for students to plan their course of study. It does NOT replace any information in the Undergraduate Catalog, which is the official guide for completing degree requirements. Use this map to help plan and guide your experience at UWG, including academic, co-curricular, and discovery opportunities. Everyone’s experience is different and activities in this map are suggestions. Always consult with your advisors whenever possible for new opportunities and updates.

WHERE CAN YOU GO WITH THIS DEGREE?
- Actuary
- Auditor
- Civil Engineer
- Computer Programmer
- Economist
- Financial Analyst
- Mathematician
- Mathematics Teacher
- Operations Analyst
- Scientist

ADD A CERTIFICATE
- Communication in the Workplace
- Data Analytics
- Data Science

Visit westga.edu/program/maps for the latest version of this major map.

HAVE A QUESTION?
CHECK IN WITH YOUR ADVISOR!

VISIT WOLFWATCH FOR MORE INFORMATION.

2023-2024

MATHEMATICS
TRADITIONAL
Bachelor of Science

60
CORE CREDIT HOURS

42
MAJOR CREDIT HOURS

18
ELECTIVE CREDIT HOURS
## YEAR 1

### TERM 1: FALL

| A1: ENGL 1101 English Composition I | 3 CREDIT HOURS |
| A2: MATH 1113 Precalculus | 4 CREDIT HOURS |
| B2: XIDS 2002 Recommended First-Year Seminar | 2 CREDIT HOURS |
| E1: HIST 1111 OR 1112 World History | 3 CREDIT HOURS |
| D1: SCIENCE + LAB | 4 CREDIT HOURS |

**MILESTONES:**
- Complete ENGL 1101 with C or better
- Complete MATH 1113 with C or better

### TERM 2: SPRING

| F: MATH 2644 Calculus II | 4 CREDIT HOURS |
| F: MATH 2853 Elementary Linear Algebra | 3 CREDIT HOURS |
| CS 1301 Computer Science I | 4 CREDIT HOURS |
| B1: ORAL COMMUNICATION | 3 CREDIT HOURS |

**MILESTONES:**
- Complete MATH 2644 with C or better

## YEAR 2

### TERM 1: FALL

| F: MATH 2644 Calculus II | 4 CREDIT HOURS |
| F: MATH 2853 Elementary Linear Algebra | 3 CREDIT HOURS |
| CS 1301 Computer Science I | 4 CREDIT HOURS |
| B1: ORAL COMMUNICATION | 3 CREDIT HOURS |

**MILESTONES:**
- Complete MATH 2644, 2853, 3003 so that you are able to take advanced math courses.
- Identify and take courses in the track of your major.
- Complete other core courses.

### TERM 2: SPRING

| F: MATH 2654 Calculus III | 4 CREDIT HOURS |
| MATH 3003 Transition to Advanced Mathematics | 3 CREDIT HOURS |
| MATH 4203 Mathematical Probability | 3 CREDIT HOURS |
| D1: SCIENCE + LAB | 4 CREDIT HOURS |

**MILESTONE:**
- Complete Calculus sequence & D1 requirement

## General Advice

- **Crush Your Coursework**
  - Focus on the core courses to build your foundation.
  - Take MATH 1113 and 1634 right away.
  - Complete ENGL 1101 and 1102.

- **Find Your Place**
  - Explore campus resources, including the Writing Center, STEM Tutoring Center, etc.
  - Explore clubs and organizations that are available to you.
  - Visit the Office of Undergraduate Research.

- **Broaden Your Perspectives**
  - Explore diversity, equity, and inclusion resources and opportunities across campus.
  - Check out the education-abroad office.

- **CONNECT OFF-CAMPUS**
  - Visit Wolves Vote to learn about the voting process and registration.
  - Consider volunteering for a campaign or organization in your community.

- **Take Care of Yourself**
  - Visit the UWG Wellness Hub to find all the resources available to you!
  - Visit Health Services.
  - Check out students' stories of their experiences.

- **Pave Your Path**
  - Complete a self-assessment to see what careers and majors are right for you.
  - Complete ENGL 1101 and 1102.
  - Consider applying for an on-campus job.

### Credits Summary

- **16 FALL CREDIT HOURS + 15 SPRING CREDIT HOURS = 31 CREDIT HOURS**
TERM 1: FALL
MATH 3243
Advanced Calculus 3 CREDIT HOURS
MATH 4043
Number Theory 3 CREDIT HOURS
MATH COURSE
4000-level Math Course 3 CREDIT HOURS
C2: HUMANITIES 3 CREDIT HOURS
E4: SOCIAL SCIENCE 3 CREDIT HOURS

TERM 2: SPRING
MATH 4233
College Geometry 3 CREDIT HOURS
MATH 4253
Real Analysis 3 CREDIT HOURS
MATH 4513
Linear Algebra I 3 CREDIT HOURS
ELECTIVE 3 CREDIT HOURS
ELECTIVE 3 CREDIT HOURS
ELECTIVE 3 CREDIT HOURS
ELECTIVE 3 CREDIT HOURS

TERM 1: FALL
MATH 4353
Complex Analysis 3 CREDIT HOURS
MATH 4413
Abstract Algebra I 3 CREDIT HOURS
E3: POLS 1101
American Government 3 CREDIT HOURS
MATH COURSE
4000-level Math Course 3 CREDIT HOURS
MATH COURSE
4000-level Math Course 3 CREDIT HOURS

TERM 2: SPRING
MATH 4983
Senior Project 1 CREDIT HOUR
C1: FINE ARTS 3 CREDIT HOURS
ELECTIVE 3 CREDIT HOURS
ELECTIVE 3 CREDIT HOURS
ELECTIVE 3 CREDIT HOURS

MILESTONE:
• COMPLETE ALL 120 CREDIT REQUIREMENT

TERM 2: SPRING
MATH 4983
Senior Project 1 CREDIT HOUR
C1: FINE ARTS 3 CREDIT HOURS
ELECTIVE 3 CREDIT HOURS
ELECTIVE 3 CREDIT HOURS
ELECTIVE 3 CREDIT HOURS

15 FALL CREDIT HOURS + 16 SPRING CREDIT HOURS = 31 CREDIT HOURS

PAVE YOUR PATH
• Draft your resume and attend a resume blitz.
• Visit the graduate school to find out about graduate programs and admission requirements.

CRUSH YOUR COURSEWORK
• Complete MATH 2644, 2853, 3003 so that you are able to take advanced math courses.
• Complete other core courses.

FIND YOUR PLACE
• Discuss career tracks with your faculty mentor.
• Attend events organized by Math Club.

BROADEN YOUR PERSPECTIVES
• Take a fitness class, climb the rock wall, or join an intramural team.
• Attend workshops. Check out students’ stories of their experiences.

CONNECT OFF-CAMPUS
• Complete an internship in your field.
• Ask about undergraduate research conference and presentation opportunities.

TAKE CARE OF YOURSELF
• Take a fitness class, climb the rock wall, or join an intramural team.
• Consider mental health screening.

PAVE YOUR PATH
• Request references from professors and supervisors.
• Draft your resume cover letter and personal statement.

TERM 4
YEAR 4