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. This track is designed to offer students a solid theoretical and applied background in statistics, preparing them for employment in a wide variety of interesting careers.

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.
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

C1: FINE ARTS
Recommended Fine Arts
3 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

A1: ENGL 1102
English Composition II
3 CREDIT HOURS

D2: MATH 2634
Calculus II
4 CREDIT HOURS

F: MATH 2853
Elementary Linear Algebra
3 CREDIT HOURS

MATH 2009
Sophomore Seminar
1 CREDIT HOUR

MILESTONES:
• Complete CS requirement
• Complete MATH 2644 with C or better

TERM 1: FALL

F: MATH 2654
Calculus III
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 CS requirement
• Complete MATH 2654 with C or better

TERM 2: SPRING

F: MATH 2654
Calculus III
4 CREDIT HOURS

F: MATH 2853
Elementary Linear Algebra
3 CREDIT HOURS

MATH 3003
Transition to Advanced Mathematics
3 CREDIT HOURS

MATH 4203
Mathematical Probability
3 CREDIT HOURS

D1: SCIENCE + LAB
4 CREDIT HOURS

MILESTONES:
• Complete Calculus sequence
• Complete D1 requirement

14 FALL CREDIT HOURS + 14 SPRING CREDIT HOURS
= 28 CREDIT HOURS

YEAR 2

TERM 1: FALL

F: MATH 2644
Calculus II
4 CREDIT HOURS

F: MATH 2853
Elementary Linear Algebra
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

F: MATH 2853
Elementary Linear Algebra
3 CREDIT HOURS

MILESTONES:
• Complete Calculus sequence
• Complete D1 requirement

TERM 2: SPRING

F: MATH 2654
Calculus III
4 CREDIT HOURS

F: MATH 2853
Elementary Linear Algebra
3 CREDIT HOURS

MILESTONES:
• Complete Calculus sequence
• Complete D1 requirement

15 FALL CREDIT HOURS + 15 SPRING CREDIT HOURS
= 30 CREDIT HOURS
TERM 1: FALL

MATH 3243
Advanced Calculus
3 CREDIT HOURS

MATH 4213
Mathematical Statistics
3 CREDIT HOURS

MATH 4803
Analysis of Variance
3 CREDIT HOURS

C2: HUMANITIES
E4: SOCIAL SCIENCE
3 CREDIT HOURS

TERM 2: SPRING

MATH 4813
Regression Analysis
3 CREDIT HOURS

MATH 4823
Applied Experimental Design
3 CREDIT HOURS

DIRECTED ELECTIVE I
DIRECTED ELECTIVE II
ELECTIVE
3 CREDIT HOURS

15 FALL CREDIT HOURS + 15 SPRING CREDIT HOURS = 30 CREDIT HOURS

YEAR 3

TERM 1: FALL

MATH 4833
Applied Nonparametric Statistics
3 CREDIT HOURS

D1: SCIENCE + LAB
DIRECTED ELECTIVE III
ELECTIVE
ELECTIVE
ELECTIVE
4 CREDIT HOURS
3 CREDIT HOURS
3 CREDIT HOURS
3 CREDIT HOURS

TERM 2: SPRING

E3: POLS 1101
American Government
3 CREDIT HOURS

MATH 4843
Introduction to Sampling
3 CREDIT HOURS

MATH 4983
Senior Project
1 CREDIT HOUR

ELECTIVE
ELECTIVE
ELECTIVE
3 CREDIT HOURS
3 CREDIT HOURS
3 CREDIT HOURS

TERM 4

YEAR 4

TERM 1: FALL

MATH 4833
Applied Nonparametric Statistics
3 CREDIT HOURS

DIRECTED ELECTIVE I
ELECTIVE
ELECTIVE
ELECTIVE
3 CREDIT HOURS
3 CREDIT HOURS
3 CREDIT HOURS
3 CREDIT HOURS

TERM 2: SPRING

E3: POLS 1101
American Government
3 CREDIT HOURS

MATH 4843
Introduction to Sampling
3 CREDIT HOURS

MATH 4983
Senior Project
1 CREDIT HOUR

ELECTIVE
ELECTIVE
ELECTIVE
3 CREDIT HOURS
3 CREDIT HOURS
3 CREDIT HOURS

16 FALL CREDIT HOURS + 16 SPRING CREDIT HOURS = 32 CREDIT HOURS

CRUSH YOUR COURSEWORK

• 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.

FIND YOUR PLACE

• Discuss career tracks with your faculty mentor.
• Explore summer REU programs and other undergraduate research opportunities with faculty members.
• Attend events organized by Math Club.
• Attend UWG Scholars’ Day.

BROADEN YOUR PERSPECTIVES

• In a student organization? Suggest you all complete an implicit bias workshop.
• Consider a study abroad program. Check out students’ stories of their experiences.

CONNECT OFF-CAMPUS

• In a student organization? Suggest you all complete an implicit bias workshop.
• Consider a study abroad program. Check out students’ stories of their experiences.

TAKE CARE OF YOURSELF

• Complete other major courses that fit with your career goals and elective in other disciplines.
• Complete the required senior project.
• Explore internship opportunities.

• Assess your cultural competency.
• Consider working abroad and research visa regulations.
• Explore practices of creating more inclusive careers.

• Request references from professors and supervisors.
• Draft your resume cover letter and personal statement and revise it with career services.

• Request references from professors and supervisors.
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• Attend business fairs and career fairs at UWG and across the state.
• Attend an interview workshop.
• Apply for graduate programs.