ABOUT THE MAJOR
The B.S. in Computing program enables students to gain a broad understanding of the ever-changing field of Computing. Students will deepen their knowledge and sharpen their skills in one or more in-depth technical and career-focused areas. Upon graduation, students will find employment in high-demand careers in areas such as cybersecurity, information technology, system and network administration, and application development.

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?
- AI Engineer
- Computer Hardware Engineer
- Information Security Analyst
- IT Project Manager
- Mobile App Developer
- Software Developer
- Systems Architect
- UX Designer
- Video Game Developer
- Web Developer

ADD A CERTIFICATE
- Communication in the Workplace
- Data Analytics
- Data Analytics & Evaluation Methods
- Data Science

HONORS COLLEGE
Consider joining if you have an Overall GPA of 3.2 and earned 15 college credit hours!

Visit westga.edu/program-maps for the latest version of this major map.
TERM 1: FALL

C1: ENGL 1101
English Composition I
3 CREDIT HOURS

M: MATH 1113
Precalculus
4 CREDIT HOURS

T3: CS 1300
Introduction to Computer Science
4 CREDIT HOURS

A: HUMANITIES
3 CREDIT HOURS

MILESTONES:
• COMPLETE ENGL 1101 WITH C OR BETTER.
• COMPLETE MATH 1113 WITH C OR BETTER.

TERM 2: SPRING

C2: ENGL 1102
English Composition II
3 CREDIT HOURS

F: COMP 2300
Fundamentals of Computing
3 CREDIT HOURS

F: CS 1301
Computer Science I
4 CREDIT HOURS

I1: WRITTEN AND ORAL COMMUNICATION
3 CREDIT HOURS

I2: INSTITUTIONAL OPTIONS
1 CREDIT HOUR

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

TERM 1: FALL

S1: HIST 1111 OR 1112
World History
3 CREDIT HOURS

F: COMP 2200
Introduction to Databases
3 CREDIT HOURS

F: CS 2100
Introduction to Web Development
3 CREDIT HOURS

F: MATH 1401
Elementary Statistics
3 CREDIT HOURS

F: COMP 2320
Principles of Programming
3 CREDIT HOURS

MILESTONE:
• ALL MATH REQUIREMENTS COMPLETE.

TERM 2: SPRING

COMP 3400
System & Network Administration I
3 CREDIT HOURS

P2: POLS 1101
American Government
3 CREDIT HOURS

COMP 2500
Introduction to Computer Security
3 CREDIT HOURS

T1: SCIENCE + LAB
4 CREDIT HOURS

S2: SOCIAL SCIENCE
3 CREDIT HOURS

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

Additional Information:
• You must take PHIL 2020 or PHIL 2030 or PHIL 3020 in order to satisfy the prerequisite for PHIL 4120.

CRUSH YOUR COURSEWORK

• Complete CS 1300 (fundamental course in your major).
• Complete CS 1301 with a C or better (fundamental course in your major).
• Complete MATH 1113 or MATH 1112 (with a C or better) to stay on track for your Mathematics requirements.
• Complete ENGL 1101 & 1102 with a C or better.
• Complete all prerequisites of PHIL 4120, any one of: PHIL 2010, or PHIL 2020, or PHIL 3030.
• You have a wide range of 3rd- and 4th-year courses to choose from. Meet with your advisor to make a 4-year plan to get the courses you want!

FIND YOUR PLACE

• Join ACM and/or ACM-W for networking and connection with your computing peers.
• Join another student organization to have a balanced life outside of computing.
• Talk with your advisor (or other computing faculty) about what you love about computing.

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 UMGC Wellness Hub to find all the resources available to you!
• Visit Health Services.
• Go to the Computing Center to work on class projects and computing.
• Work on a side project in the Innovation Lab.
• Take your two science lab courses as soon as possible. Make sure you include the labs!
• Complete all foundational COMP courses (COMP 2300, COMP 2500, COMP 3300, COMP 3400, COMP 3600, COMP 3800).
• Complete all prerequisites required for your chosen 4th-year Depth courses.

TAKE CARE OF YOURSELF

• Complete all CS courses required for a major.
• Complete all foundational MATH courses needed for your major.
• Complete all prerequisites for your major.
• Take MATH 1401 as soon as possible to complete your MATH requirements.
• Take your two science lab courses as soon as possible. Make sure you include the labs!
• Complete all foundational COMP courses (COMP 2300, COMP 2500, COMP 3300, COMP 3400, COMP 3600, COMP 3800).
• Complete all prerequisites required for your chosen 4th-year Depth courses.

TAKE CARE OF YOURSELF

• Regularly hang out in the 24/7 Mitchell Clifton Computing Center to work on class projects and socialize with friends.
• Apply to be a lab assistant in the cox Tutoring lab.
• Work on a side project in the Innovation Lab.
• Maintain a school/life balance, e.g., eat out with friends and family, attend a concert or play, make time for your hobbies.

TAKE CARE OF YOURSELF

• 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 an internship in your field.
• Consider a summer or part-time job.
• Ask your department about networking opportunities with alumni.

TAKE CARE OF YOURSELF

• Consider whether counseling is right for you: take an implicit bias workshop.
• Check out the Center for Economic Education and Opportunities with alumni.

TAKE CARE OF YOURSELF

• Take a fitness class, climb the rock wall, or join an intramural team.
• Consider whether counseling is right for you: take a mental health screening.

TAKE CARE OF YOURSELF

• Draft your resume and attend a resume blitz.
• Learn about new to network on social media and update your Handshake profile.
•Draft your personal statement.
• Visit the graduate school to find out about graduate programs and admission requirements.

TAKE CARE OF YOURSELF

• Draft your resume and attend a resume blitz.
• Learn about new to network on social media and update your Handshake profile.
•Draft your personal statement.
• Visit the graduate school to find out about graduate programs and admission requirements.
**TERM 1: FALL**

**PHIL 4120**
Professional Ethics
3 CR

**COMP 3300**
Application Development I
3 CR

**COMP 3600**
User-Centric Computing I
3 CR

**COMP 3800**
Data Analytics
3 CR

**T2: SCIENCE + LAB**
4 CR

**MILESTONE:**
- Complete lab sciences.

**TERM 2: SPRING**

**P1: HIST 2111 OR 2112**
US History
3 CR

**COMP BREADTH ELECTIVE**
(select options below)
3 CR

**COMP BREADTH ELECTIVE**
(select options below)
3 CR

**COMP BREADTH ELECTIVE**
(select options below)
3 CR

**MILESTONE:**
- PREREQUISITES SATISFIED TO TAKE APPROPRIATE COMP DEPTH COURSES.

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

**YEAR 3**

**TERM 1: FALL**

**ENGL 3405**
Professional and Technical Writing
3 CR

**COMP 4986**
Internship
3 CR

**COMP BREADTH ELECTIVE**
(select options below)
3 CR

**COMP DEPTH ELECTIVE**
(select options below)
3 CR

**ELECTIVE**
3 CR

**MILESTONE:**
- SUCCESSFUL COMPLETION OF INTERNSHIP WITH INDUSTRY PARTNER.

**TERM 2: SPRING**

**COMP 4982**
Capstone
3 CR

**COMP DEPTH ELECTIVE**
(select options below)
3 CR

**COMP DEPTH ELECTIVE**
(select options below)
3 CR

**ELECTIVE**
3 CR

**TAKE CARE OF YOURSELF**

- Complete your required internship experience (COMP 4986).
- Complete your required Capstone project course (COMP 4982).
- Complete your Depth courses.

**YEAR 4**

**TERM 1: FALL**

**Crush your coursework**

- Take MATH 1401 as soon as possible to complete your Math requirements.
- Take your two science lab courses as soon as possible. Make sure you include the labs!
- Complete all foundational COMP courses (COMP 2300, COMP 2350, COMP 3300, COMP 3400, COMP 3600, COMP 3800).
- Complete all prerequisites required for your chosen 4th-year Depth courses.

**Find your place**

- Regularly hang out in the 24/7 Mitchell Clifton Computing Center to work on class projects and socialize with friends.
- Apply to be a lab assistant in the csX Tutoring lab.
- Work on a sub-project in the Innovation Labs.
- Maintain a social life outside of school, e.g., date, roommates, or friends and family, attend a concert or play, make time for your hobbies.

**Find your place**

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

**Broaden your perspective**

- Complete an internship in your field.
- Consider a summer or part-time job.
- Ask your department about networking opportunities with alumni.

**Connect to off-campus**

- Take a fitness class, climb the rock wall, or join an intramural team.
- Consider whether counseling is right for you: take a mental health screening.

**Take care of your self**

- Draft your resume and attend a resume blitz.
- Learn about how to network on social media and update your Handshake profile.
- Draft your personal statement.
- Visit the graduate school to find out about graduate coursework.

**Pay your path**

- Complete all foundational COMP courses (COMP 4982).
- Complete your required Capstone project course (COMP 4986).
- Complete your Depth courses.

**Find your place**

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

**Connect to off-campus**

- Find job opportunities with alumni.
- Ask for advice from professionals in your field of interest.
- Explore career shadowing opportunities.

**Take care of yourself**

- Consider working abroad and research visa regulations.
- Complete your required internship experience (COMP 4986).
- Complete your required Capstone project course (COMP 4982).
- Complete your Depth courses.

**Pay your path**

- Request references from professors and supervisors.
- Draft your resume cover letter and personal statement and revise it with career services.
- Attend business fairs and career fairs at UWG and across the state.
- Attend an interview workshop.
- Apply for graduate programs.