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

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

A1: ENGL 1101
English Composition I
3 CREDIT HOURS

A2: MATH 1113
Precalculus
4 CREDIT HOURS

D2: CS 1300
Introduction to Computer Science
3 CREDIT HOURS

MILESTONES:
• COMPLETE ENGL 1101 WITH C OR BETTER,
• COMPLETE MATH 1113 WITH C OR BETTER,
• ONE OF AREA B1 OR AREA C2 SATISFIES PHIL 4120 PREREQUISITE.

TERM 2: SPRING

A1: 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

B2: INSTITUTIONAL OPTIONS
1 CREDIT HOUR

MILESTONES:
• COMPLETE ENGL 1102 WITH C OR BETTER,
• COMPLETE CS 1301 WITH C OR BETTER,
• ONE OF AREA B1 OR AREA C2 SATISFIES PHIL 4120 PREREQUISITE

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 all your Mathematics requirements.
• Complete ENGL 1101 & 1102 with a C or better.
• Complete a prerequisite of PHIL 4120; any one of: PHIL 1010, or PHIL 2020, or PHIL 2030.
• 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 you the courses you want!
• Explore diversity, equity, and inclusion resources and opportunities across campus.
• Check out the education abroad office.

BROADEN YOUR PERSPECTIVES

• Visit the UWG Wellness Hub to find all the resources available to you!
• Visit Health Services.
• Get fit! Visit URec to see all your options.
• Visit the Center for Economic Education and Financial Literacy.
• Take the IMC Wellness Hub to find all the resources available to you!
• 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 you the courses you want!
• 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.

CONNECT OFF-CAMPUS

• Take MATH 1401 as soon as possible to complete your MATH requirements.
• Take your two Cs in Area B, science lab courses as soon as possible. Make sure you include the lab!
• Complete all foundational COMP courses (COMP 2300, COMP 2500, COMP 3300, COMP 3400, COMP 3600, COMP 3800).
• Discover a student life balance, e.g., eat out with friends and family, attend a concert or play, make time for your hobbies.

TAKE CARE OF YOURSELF

• Complete a self-assessment to see what careers and majors are right for you.
• Visit the Office of Career and Graduate School Connections.
• Create your profile on Handshake.
• Consider applying for an on-campus job.

TAKE YOUR PATH

• Complete all prerequisites required for your chosen 4th-year Depth courses.
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Take the UWG Wellness Hub to find all the resources available to you!
• Visit Health Services.
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• Visit the Center for Economic Education and Financial Literacy.
• Take the IMC Wellness Hub to find all the resources available to you!
• 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 you the courses you want!
• 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.

PAVE YOUR PATH

• Take an internship in your field.
• Consider a summer or part-time job.
• Ask your department about networking opportunities with alumni.
• 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 MATH 1401 as soon as possible to complete your MATH requirements.
• Take your two Cs in Area B, science lab courses as soon as possible. Make sure you include the lab!
• 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.

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

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

Additional Information:
• Either Area B1 must be PHIL 2020, or Area C2 must be one of PHIL 2010 or PHIL 2030 in order to satisfy the prerequisite for PHIL 4120.
### YEAR 3

#### TERM 1: FALL

- **PHIL 4120**
  Professional Ethics
  3 CREDIT HOURS

- **COMP 3300**
  Application Development I
  3 CREDIT HOURS

- **COMP 3600**
  User-Centric Computing I
  3 CREDIT HOURS

- **COMP 3800**
  Data Analysis
  3 CREDIT HOURS

**D1: SCIENCE + LAB**

- 4 CREDIT HOURS

**MILESTONE:**
- AREA D1 LAB SCIENCES COMPLETE.

#### TERM 2: SPRING

- **E2: HIST 2111 OR 2112**
  US History
  3 CREDIT HOURS

- **COMP BREADTH ELECTIVE**
  (see options below)
  3 CREDIT HOURS

- **COMP BREADTH ELECTIVE**
  (see options below)
  3 CREDIT HOURS

- **COMP BREADTH ELECTIVE**
  (see options below)
  3 CREDIT HOURS

**C1: FINE ARTS**

- 3 CREDIT HOURS

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

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

#### YEAR 4

#### TERM 1: FALL

- **ENGL 3405**
  Professional and Technical Writing
  3 CREDIT HOURS

- **COMP 4986**
  Internship
  3 CREDIT HOURS

- **COMP BREADTH ELECTIVE**
  (see options below)
  3 CREDIT HOURS

- **COMP DEPTH ELECTIVE**
  (see options below)
  3 CREDIT HOURS

**ELECTIVE**

- 3 CREDIT HOURS

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

#### TERM 2: SPRING

- **COMP 4982**
  Capstone
  3 CREDIT HOURS

- **COMP DEPTH ELECTIVE**
  (see options below)
  3 CREDIT HOURS

- **COMP DEPTH ELECTIVE**
  (see options below)
  3 CREDIT HOURS

- **COMP ELECTIVE**
  (see options below)
  3 CREDIT HOURS

**ELECTIVE**

- 3 CREDIT HOURS

**TAKING CARE OF YOURSELF**

- 3 CREDIT HOURS

**PAVE YOUR PATH**

- **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 programs and admission requirements.**

**TAKE CARE OF YOURSELF**

- 3 CREDIT HOURS

**PAVE YOUR PATH**

- **Complete your required internship experience.**
- **Complete your required Capstone project course.**

**MILESTONE:**
- Complete your Depth courses.

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

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**Additional Information:**
- **COMP BREADTH ELECTIVE** - select three of the following; at least two must be 3000 or above.
- **COMP DEPTH ELECTIVE** - select three of the following; at least two must be 3000 or above. Introduction to Digital Media (COMP 2350), System + Network Administration I (COMP 4401), Mobile Development (COMP 3211), Game Development I (COMP 3200), Physical Computing (COMP 2300), Software Engineering I (CS 3211), or Systems Programming (CS 3300).
- **COMP DEPTH ELECTIVE** - select three of the following: Security (COMP 4500), System and Network Administration II (COMP 4402), Mobile Development II (COMP 4200), Game Development II (COMP 4300), Game Development III (COMP 4301), Usability (COMP 4202), Computer Forensics (COMP 4302), User-Centric Computing I (COMP 4503), Special Topics in Computing (COMP 4504), or Advanced Web Development (CS 4203).