ABOUT THE MAJOR
This degree has as its core a number of fundamental courses in chemistry and allows for students with interests in additional fields to build a broad based curriculum. Combining this degree with a minor or second major prepares students for a variety of career opportunities in addition to laboratory positions and include the following: with business – technical sales; with biology or geology – environmental studies, industrial hygiene; with political science followed by law school – patent law; with education – middle school or high school teaching.

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?
- Analytical Chemist
- Chemical Engineer
- Geochemist
- Hazardous Waste Chemist
- Organic Chemist
- Pharmacologist
- Quality Control Chemist
- Synthetic Chemist
- Toxicologist
- Water Chemist

ADD A CERTIFICATE
- Atmospheric Science
- Forensic Sciences
- Stream Restoration
- Wildlife Ecology

60 CORE CREDIT HOURS
47 MAJOR CREDIT HOURS
13 ELECTIVE CREDIT HOURS

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

VISIT WOLFWATCH FOR MORE INFORMATION.
HAVE A QUESTION? CHECK IN WITH YOUR ADVISOR!

HONORS COLLEGE
Consider joining if you have an Overall GPA of 3.2 and earned 15 college credit hours!
**YEAR 1**

### TERM 1: FALL

**C1:** ENGL 1101 English Composition I 3 CREDIT HOURS

**M:** MATH 1113 Precalculus 4 CREDIT HOURS

**I2:** XIDS 2002 First-Year Seminar 2 CREDIT HOURS

**F:** CHEM 1211 + LAB Principles of Chemistry I 4 CREDIT HOURS

**A:** HUMANITIES 3 CREDIT HOURS

MILESTONE:
- OVERALL B OR BETTER GRADES HIGHLY DESIRABLE TO BE COMPETITIVE FOR PHARMACY SCHOOL

### TERM 2: SPRING

**C2:** ENGL 1102 English Composition II 3 CREDIT HOURS

**T3:** MATH 1634 Calculus I 4 CREDIT HOURS

**F:** CHEM 1212 + LAB Principles of Chemistry II 4 CREDIT HOURS

**T1:** BIOL 1107 + LAB Principles of Biology I 4 CREDIT HOURS

MILESTONE:
- OVERALL B OR BETTER GRADES HIGHLY DESIRABLE TO BE COMPETITIVE FOR PHARMACY SCHOOL
- PUBLIC SPEAKING (COMM 1110) IS REQUIRED FOR MANY PHARMACY SCHOOLS

### CRUSH YOUR COURSEWORK

- Choose Concentration (ACS track recommended).
- Connect with your faculty mentor.
- Join clubs (Chemistry Association or Emerging Healthcare Leaders recommended).
- Look at the Chemistry Careers page on the American Chemical Society's webpage.
- Take Sophomore Seminar.
- Complete Organic Chemistry sequence.
- Complete Analytical Chemistry.
- Complete other supporting courses (see Advisor to have a clear roadmap).

### FIND YOUR PLACE

- Look at the Careers page on the American Chemical Society's webpage.
- Complete Organic Chemistry sequence.
- Complete Analytical Chemistry.
- Complete other supporting courses (see Advisor to have a clear roadmap).

### BROADEN YOUR PERSPECTIVES

- Complete other supporting courses (see Advisor to have a clear roadmap).

### CONNECT OFF-CAMPUS

- Sign up for Handshake through Career Services.
- Create an account in LinkedIn.
- Talk to alumni guest speakers and make connections.

### TAKE CARE OF YOURSELF

- Talk to your faculty mentor.
- Look into on-campus self-care and stress resources especially Campus Center, Health Services, and Counseling Center.
- Find study buddies.
- Go to events, have fun (balance time between study, work, and fun).

### PAVE YOUR PATH

- Write preliminary resume.
- Seek for resume-building opportunities related to your career goal (employment, research, activities, volunteering).

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

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**YEAR 2**

### TERM 1: FALL

**F:** CHEM 2411 + LAB Organic Chemistry I 4 CREDIT HOURS

**T2:** BIOL 1108 + LAB Principles of Biology I 4 CREDIT HOURS

**CHEM 2130** Sophomore Chemistry Seminar 1 CREDIT HOUR

**F:** MATH 1401 Elementary Statistics 3 CREDIT HOURS

**I1:** COMM 1110 Public Speaking 3 CREDIT HOURS

MILESTONES:
- OVERALL B OR BETTER GRADES HIGHLY DESIRABLE TO BE COMPETITIVE FOR PHARMACY SCHOOL
- ECON 2105 OR 2106 ARE REQUIRED FOR MANY PHARMACY SCHOOLS

### CRUSH YOUR COURSEWORK

- Take Sophomore Seminar.
- Complete Organic Chemistry sequence.
- Complete Analytical Chemistry.
- Complete other supporting courses (see Advisor to have a clear roadmap).

### FIND YOUR PLACE

- Join a research group or seek for student employment (workshop leader, laboratory assistant).
- Attend program/department/college events.
- Attend senior research presentations and on-campus conferences.
- Study and hang out in the student lounge (TLC 2116).

### BROADEN YOUR PERSPECTIVES

- Explore internships or part-time jobs in career-related areas (industry, pharmacy, etc).
- Explore summer internships or NSF programs.
- Explore volunteer opportunities with a club or in career-related areas.

### CONNECT OFF-CAMPUS

- Sign up for Handshake through Career Services.
- Create an account in LinkedIn.
- Talk to alumni guest speakers and make connections.

### TAKE CARE OF YOURSELF

- Talk to your faculty mentor.
- Look into on-campus self-care and stress resources especially Campus Center, Health Services, and Counseling Center.
- Find study buddies.
- Go to events, have fun (balance time between study, work, and fun).

### PAVE YOUR PATH

- Write preliminary resume.
- Seek for resume-building opportunities related to your career goal (employment, research, activities, volunteering).

**15 FALL CREDIT HOURS + 14 SPRING CREDIT HOURS = 29 CREDIT HOURS**
TERM 1: FALL

CHEM 3310K
Analytical Chemistry
4 CREDIT HOURS

BIOL 2260/2260L OR 3310
Foundations of Microbiology/Lab or Microbiology
4 CREDIT HOURS

BIOL 2252 + LAB
Human Anatomy and Physiology II
4 CREDIT HOURS

A: HUMANITIES
3 CREDIT HOURS

MILESTONES:
• OVERALL B OR BETTER GRADES HIGHLY DESIRABLE TO BE COMPETITIVE FOR PHARMACY SCHOOL
• CHEM 3310K MAY BE TAKEN SUMMER AFTER YEAR 2

TERM 2: SPRING

CHEM 4711
Biochemistry
3 CREDIT HOURS

PHYS 1111 + LAB
Introductory Physics I
4 CREDIT HOURS

P: CITIZENSHIP
3 CREDIT HOURS

S1: SOCIAL SCIENCE
3 CREDIT HOURS

ELECTIVE
3000 or 4000 level course
3 CREDIT HOURS

MILESTONES:
• COMPLETE 70-90 HOURS BASED ON DESIRED PHARMACY SCHOOL
• TAKE PGAT

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

TERM 1: FALL

CHEM 4610
Inorganic Chemistry
3 CREDIT HOURS

CHEM 3510
Survey of Physical Chemistry
3 CREDIT HOURS

PHYS 1112 + LAB
Introductory Physics II
4 CREDIT HOURS

ELECTIVE
3000 or 4000 level course
3 CREDIT HOURS

CHEM ELECTIVE
3000 or 4000 level course
3 CREDIT HOURS

TERM 2: SPRING

CHEM ELECTIVE
3000/4000 Level Course
3 CREDIT HOURS

CHEM 4910L
Tools and Applications in Chemical Research and Practice
3 CREDIT HOURS

ELECTIVE
3000/4000 Level Course
3 CREDIT HOURS

ELECTIVE
3000/4000 Level Course
3 CREDIT HOURS

16 FALL CREDIT HOURS + 13 SPRING CREDIT HOURS = 29 CREDIT HOURS

CRUSH YOUR COURSEWORK
• Take Sophomore Seminar.
• Complete Organic Chemistry sequence.
• Complete Analytical Chemistry.
• Complete other supporting courses (see Advisor to have a clear roadmap).

FIND YOUR PLACE
• Join a research group or seek for student employment (workshop leader, laboratory assistant).
• Attend program/department/college events.
• Attend senior research presentations and on-campus conferences.
• Study and hang out in the student lounge (TLC 2116).

BROADEN YOUR PERSPECTIVES
• Explore internships or part-time jobs in career-related areas (industry, pharmacy, etc).
• Explore summer internships or REU programs.
• Explore volunteer opportunities with a club or in career-related areas.

TAKE CARE OF YOURSELF
• Talk to your faculty mentor.
• Look into on-campus self-care and stress resources especially Campus Center, Health Services, and Counseling Center.
• Find study buddies.
• Go be active, have fun (balance time between study, work, and fun).

PAVE YOUR PATH
• Write preliminary resume.
• Seek for resume-building opportunities related to your career goal (employment, research, activities, volunteering).

CRUSH YOUR COURSEWORK
• Take Senior Seminar.
• Take senior capstone course(s) and complete a senior project.
• Complete all required courses for a degree.

FIND YOUR PLACE
• Attend program/department/college events.
• Attend on-campus conferences.
• Study and hang out in the student lounge (TLC 2116).

BROADEN YOUR PERSPECTIVES
• Re-examine career paths with a chemistry degree (ACS Career page, alumni connections, your own aptitude and interest).

Connect OFF-CAMPUS
• Talk to alumni in a career field of interest, matched by your faculty mentor.

TAKE CARE OF YOURSELF
• Talk to your faculty mentor.
• Look into on-campus self-care and stress resources especially Campus Center, Health Services, and Counseling Center.
• Find study buddies.
• Go be active, have fun (balance time between study, work, and fun).

PAVE YOUR PATH
• Build hands-on experience through research and/or internships.
• Update your resume or CV.
• Apply for graduate schools, professional school, or jobs.
• Make sure to get help from Career Services for cover letters, resume, application, and interviews.