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

Core Credit Hours: 60
Major Credit Hours: 50
Elective Credit Hours: 13

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- Water Chemist

60       50       13
CORE CREDIT HOURS
MAJOR CREDIT HOURS
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!
**TERM 1: FALL**

**A1:** ENGL 1101  
English Composition I  
3 CREDIT HOURS

**MATH 1111**  
College Algebra  
3 CREDIT HOURS

**B2:** XIDS 2002  
First-Year Seminar  
2 CREDIT HOURS

**D1:** BIOL 1107 + LAB  
Principles of Biology I  
4 CREDIT HOURS

**C OR E**  
3 CREDIT HOURS

**TERM 2: SPRING**

**A1:** ENGL 1102  
English Composition II  
3 CREDIT HOURS

**A2:** MATH 1113  
Precalculus  
4 CREDIT HOURS

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

**D1:** BIOL 1108 + LAB  
Principles of Biology II  
4 CREDIT HOURS

**TERM 3: SUMMER**

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

**TERM 1: FALL**

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

**BIOL 2251 + LAB**  
Human Anatomy and Physiology I  
4 CREDIT HOURS

**CHEM 2130**  
Organic Chemistry I  
1 CREDIT HOUR

**D2:** MATH 1634  
Calculus I  
4 CREDIT HOURS

**TERM 2: SPRING**

**CHEM 3422 + LAB**  
Organic Chemistry II  
4 CREDIT HOURS

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

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

**E4:** ECON 2105 OR 2106  
Principles of Micro- or Macroeconomics  
3 CREDIT HOURS

**TERM 3: SUMMER**

**F:** MATH 1633  
Calculus II  
3 CREDIT HOURS

**TERM 2: SPRING**

**F:** MATH 2401  
Calculus III  
3 CREDIT HOURS

**E4:** ECON 2105 OR 2106  
Principles of Micro- or Macroeconomics  
3 CREDIT HOURS

**TERM 3: SUMMER**

**F:** MATH 2402  
Calculus IV  
3 CREDIT HOURS

**TERM 3: SUMMER**

**F:** CHEM 2412 + LAB  
Organic Chemistry II  
4 CREDIT HOURS

**TERM 3: SUMMER**

**F:** CHEM 3411 + LAB  
Organic Chemistry III  
4 CREDIT HOURS

**TERM 3: SUMMER**

**F:** CHEM 3999  
Capstone Seminar  
1 CREDIT HOUR

**TERM 3: SUMMER**

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Capstone Seminar  
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### YEAR 3

#### TERM 1: FALL

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 3310K</td>
<td>Analytical Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 2260/2260L OR 3310</td>
<td>Foundations of Microbiology/Lab or Microbiology</td>
<td>4</td>
</tr>
<tr>
<td>C OR E</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

**MILESTONES:**
- Overall 90 or better grades highly desirable to be competitive for pharmacy school.
- CHEM 3310K may be taken summer after Year 2.

#### TERM 2: SPRING

<table>
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<tbody>
<tr>
<td>CHEM 4711</td>
<td>Biochemistry</td>
<td>3</td>
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<tr>
<td>PHYS 1111 + LAB</td>
<td>Introductory Physics I</td>
<td>4</td>
</tr>
<tr>
<td>B1: COMM 1110</td>
<td>Public Speaking</td>
<td>3</td>
</tr>
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**MILESTONES:**
- Take Sophomore Seminar.
- Complete Organic Chemistry sequence.
- Complete Analytical Chemistry.
- Complete other supporting courses (see Advisor to have a clear roadmap).

### YEAR 4

#### TERM 1: FALL

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**MILESTONE:**
- If students took BIOL 4503, one of the elective courses must be a CHEM 3000/4000

#### TERM 2: SPRING

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**MILESTONES:**
- Re-examine career paths with a chemistry degree (ACS Career page, alumni connections, your own aptitude and interest).
- Attend program/department/college events.
- Attend on-campus conferences.
- Pay for research experiences or internships.

**CRUSH YOUR COURSEWORK**
- 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 211B).

**FIND YOUR PLACE**
- 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.

**BROADEN YOUR PERSPECTIVES**
- Sign up for Handshake through Career Services.
- Create an account in LinkedIn.
- Talk to alumni in a career field of interest, matched by your faculty mentor.
- Talk to alumni in a career field of interest, matched by your faculty mentor.

**CONNECT OFF-CAMPUS**
- Talk to your faculty mentor.
- Look into 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).

**TAKE CARE OF YOURSELF**
- Take to your faculty mentor.
- Look into 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, volunteerings).

**Term 2: Spring**

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**MILESTONE:**
- Complete all required courses for a degree.

**CRUSH YOUR COURSEWORK**
- Take Senior Seminar.
- Take senior capstone course(s) and complete a senior project.
- Attend program/department/college events.
- Attend on-campus conferences.

**FIND YOUR PLACE**
- Attend program/department/college events.
- Attend on-campus conferences.
- Study and hang out in the student lounge (TLC 211B).

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**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.

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**MILESTONE:**
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