ABOUT THE MAJOR

This degree option is frequently the choice of students interested in professional programs because it allows a wide range of elective courses to fulfill the degree requirements. It is designed specifically for those students planning to attend medical, dental, veterinary, physician’s assistant, or other professional programs. The general requirements include 2 years of Chemistry and 1 year each of Biology, Physics, and English, 1 semester Psychology/Sociology. Biochemistry is strongly recommended. Combining this degree with a minor or second major prepares students for a laboratory positions and a variety of career opportunities that include: with business - technical sales; with engineering - chemical industry; with biology or geology - environmental studies or 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
• Data Analytics
• Forensic Sciences
• Stream Restoration
• Sustainable Business
• Wildlife Ecology

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

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

60
CORE CREDIT HOURS

51
MAJOR CREDIT HOURS

9
ELECTIVE CREDIT HOURS

HONORS COLLEGE

Consider joining if you have an Overall GPA of 3.2 and earned 15 college credit hours!
<table>
<thead>
<tr>
<th>YEAR 1</th>
<th>YEAR 2</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>TERM 1: FALL</strong></td>
<td><strong>TERM 1: FALL</strong></td>
</tr>
</tbody>
</table>
| C1: ENGL 1101 | F: CHEM 2411 + LAB  
English Composition I  
Organic Chemistry I |
| M: MATH 1113 | S2: SOC 1101 OR PSYC  
Precalculus  
Intro to Sociology or Intro to Psychology |
| I2: XIDS 2002 | CHEM 2130  
First-Year Seminar  
Sophomore Chemistry Seminar |
| F: CHEM 1211 + LAB | F: MATH 1401 OR 2644  
Principles of Chemistry II  
Elementary Statistics or Calculus II |
| P2: POLS 1101 | T1: BIOL 1108 + LAB  
American Government  
Principles of Biology II |

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

<table>
<thead>
<tr>
<th><strong>TERM 2: SPRING</strong></th>
<th><strong>TERM 2: SPRING</strong></th>
</tr>
</thead>
</table>
| C2: ENGL 1102 | CHEM 3422 + LAB  
English Composition II  
Organic Chemistry II |
| T3: MATH 1634 | I1: PHIL 2020  
Calculus I  
Critical Thinking |
| F: CHEM 1212 + LAB | BIOL ELECTIVE  
Principles of Chemistry II  
3000/4000 level course |
| T1: BIOL 1107 + LAB | ELECTIVE  
Principles of Biology II |

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

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

15 FALL CREDIT HOURS + 14 SPRING CREDIT HOURS = 29 CREDIT HOURS

**Additional Information:**  
- Recommended Biology Electives: Cell and Molecular Biology, Human Physiology, Genetics, Microbiology.
**TERM 1: FALL**

**CHEM 3310K**  
Analytical Chemistry  
4 CREDIT HOURS

**PHYS 1111/2211 + LAB**  
Introductory or Principles of Physics I  
4 CREDIT HOURS

**Biol ELECTIVE**  
3000/4000 Level Course  
4 CREDIT HOURS

**PSYC OR SOCI ELECTIVE**  
3000/4000 Level Course  
4 CREDIT HOURS

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

**YEAR 2**

**TERM 2: SPRING**

**CHEM 4711**  
Biochemistry  
3 CREDIT HOURS

**PHYS 1112/2212 + LAB**  
Introductory or Principles of Physics II  
3 CREDIT HOURS

**Biol ELECTIVE**  
3000 or 4000 level course  
3 CREDIT HOURS

**A2: LITERATURE CLASS**  
3 CREDIT HOURS

**MILESTONES:**  
- Take MCAT.  
- Biology electives can be taken in any order but need to be taken before attempting the MCAT.

**TERM 2: SPRING**

**CHEM ELECTIVE**  
3000 or 4000 level course  
3 CREDIT HOURS

**CHEM 4910L**  
3 CREDIT HOURS

**MEDICAL SCHOOL PREP:**

- **TERM 1:**  
  - Complete Analytical Chemistry.  
  - Complete Organic Chemistry sequence.  

- **TERM 2:**  
  - Take Junior Seminar.  
  - Complete required courses for a degree.

**YEAR 4**

**TERM 1: FALL**

**CHEM 4610**  
Inorganic Chemistry  
3 CREDIT HOURS

**CHEM 3510**  
Survey of Physical Chemistry  
3 CREDIT HOURS

**CHEM ELECTIVE**  
3000 or 4000 level course  
3 CREDIT HOURS

**S1 OR P1**  
3 CREDIT HOURS

**A: HUMANITIES**  
3 CREDIT HOURS

**MILESTONES:**  
- Overall 80% or better grades highly desirable to be competitive for medical school.