ABOUT THE MAJOR

The mission of the B.S. Degree in Biology at the University of West Georgia is to provide undergraduate students the knowledge and training necessary to pursue advanced graduate education, professional studies, or employment. In pursuit of this mission, the Biology Program offers a B.S. Degree Program via a general track, a professional preparation track or secondary education track. The general track is for students who plan to continue their education in graduate programs in the biological sciences or for those who wish to enter the biological sciences job market upon completion of the undergraduate degree. This track offers the greatest flexibility in selecting major courses, thus allowing students who wish to specialize in an area of biology to better prepare for graduate studies in that sub-discipline.

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?

- Agricultural/Food Scientist
- Biochemist
- Biological Technician
- Biology Teacher
- Conservation Biologist
- Environmental Scientist
- Geneticist
- Marine Biologist
- Microbiologist
- Wildlife Biologist

ADD A CERTIFICATE

- Forensic Science
- Microbiology
- Stream Restoration
- Wildlife Ecology

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

3

English Composition I

M: MATH 1111

3

College Algebra

XIDS 2002

2

First-Year Seminar

BIOL 1110

3

Biological Diversity

TERM 2: SPRING

C2: ENGL 1102

3

English Composition II

T3: MATH 1113

4

Precalculus

F: CHEM 1211 + LAB

4

Principles of Chemistry I + Lab

A: M: ENGL 1103

3

Humanities

TERM 1: FALL

F: BIOL 2107 + LAB

4

Principles of Biology I + For Biology majors + Lab

P: CHEM 1212 + LAB

4

Principles of Chemistry II + Lab

P: CITIZENSHIP

3

S: SOCIAL SCIENCE

3

YEAR 2

TERM 2: SPRING

F: BIOL 2108 + LAB

4

Principles of Biology II + For Biology majors + Lab

CHEM 2411 OR 2455 + LAB

4

Organic Chemistry I or Principles of Organic Chemistry + Lab section (CHEM 2411L, or 2455L) 

P: CITIZENSHIP

3

S: SOCIAL SCIENCE

3

CRUSH YOUR COURSEWORK

FIND YOUR PLACE

BROADEN YOUR PERSPECTIVES

CONNECT OFF-CAMPUS

TAKE CARE OF YOURSELF

PAVE YOUR PATH

MILESTONES:

• Complete ENGL 1101 with C or better.

• Complete BIOL 1110 with C or better.

FALL CREDIT HOURS + 14 SPRING CREDIT HOURS = 29/30 CREDIT HOURS

15/16 FALL CREDIT HOURS + 14 SPRING CREDIT HOURS = 29/30 CREDIT HOURS

YEAR 2

F: BIOL 2107 + LAB

4

Principles of Biology I + For Biology majors + Lab

P: CHEM 1212 + LAB

4

Principles of Chemistry II + Lab

P: CITIZENSHIP

3

S: SOCIAL SCIENCE

3

TERM 1: FALL

F: BIOL 2107 + LAB

4

Principles of Biology I + For Biology majors + Lab

P: CHEM 1212 + LAB

4

Principles of Chemistry II + Lab

P: CITIZENSHIP

3

S: SOCIAL SCIENCE

3

TERM 2: SPRING

F: BIOL 2108 + LAB

4

Principles of Biology II + For Biology majors + Lab

CHEM 2411 OR 2455 + LAB

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Organic Chemistry I or Principles of Organic Chemistry + Lab section (CHEM 2411L, or 2455L) 

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PAVE YOUR PATH

MILESTONES:

• Complete Area I in sophomore year.

• Complete BIOL 2107, BIOL 2108 or BIOL 3110 in sophomore year.

• Establish your academic and undergraduate research concentration and course options.

• Take required courses as they are offered.

• Finish Core IMPACTS.

• Stay connected with your Academic Advisor and Faculty Mentor and review your degree requirements to determine if you are on track to graduate.

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

TERM 2: SPRING

F: BIOL 2108 + LAB

4

Principles of Biology II + For Biology majors + Lab

CHEM 2411 OR 2455 + LAB

4

Organic Chemistry I or Principles of Organic Chemistry + Lab section (CHEM 2411L, or 2455L) 

P: CITIZENSHIP

3

S: SOCIAL SCIENCE

3

TERM 2: SPRING

F: BIOL 2108 + LAB

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MILESTONES:

• Explore Internship and Faculty-Mentored Research opportunities in your sophomore and junior years.

• Volunteer for a leadership position in a biology club.

• Become an active participant and volunteer in the classroom, lab, field trips, and STEM outreach.

• Attend a scientific symposium.

• Get involved in other clubs and professional societies related to your interests.

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TERM 2: SPRING

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CHEM 2411 OR 2455 + LAB

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PAVE YOUR PATH

MILESTONES:

• Complete Area F in sophomore year.

• Complete ENGL 3124, BIOL 3135, or BIOL 3110 in sophomore year.

• Establish your academic and undergraduate research concentration and course options.

• Take required courses as they are offered.

• Finish Core IMPACTS.

• Stay connected with your Academic Advisor and Faculty Mentor and review your degree requirements to determine if you are on track to graduate.

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

TERM 2: SPRING

F: BIOL 2108 + LAB

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TERM 2: SPRING

F: BIOL 2108 + LAB

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Principles of Biology II + For Biology majors + Lab

CHEM 2411 OR 2455 + LAB

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TERM 2: SPRING

F: BIOL 2108 + LAB

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Principles of Biology II + For Biology majors + Lab

CHEM 2411 OR 2455 + LAB

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Organic Chemistry I or Principles of Organic Chemistry + Lab section (CHEM 2411L, or 2455L) 

P: CITIZENSHIP

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S: SOCIAL SCIENCE

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• Attend a scientific symposium.

• Get involved in other clubs and professional societies related to your interests.

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

TERM 2: SPRING

F: BIOL 2108 + LAB

4

Principles of Biology II + For Biology majors + Lab

CHEM 2411 OR 2455 + LAB

4

Organic Chemistry I or Principles of Organic Chemistry + Lab section (CHEM 2411L, or 2455L) 

P: CITIZENSHIP

3

S: SOCIAL SCIENCE

3
**YEAR 3**

**TERM 1: FALL**

<table>
<thead>
<tr>
<th>COURSE</th>
<th>LEVEL</th>
<th>CREDIT HOURS</th>
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<tbody>
<tr>
<td>BIOL COURSE</td>
<td>3000-4000 level</td>
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</tr>
<tr>
<td>BIOL COURSE</td>
<td>3000-4000 level</td>
<td>3/4</td>
</tr>
<tr>
<td>T1: SCIENCE + LAB</td>
<td>Non-Science Major Option</td>
<td>4</td>
</tr>
<tr>
<td>T3: STEM COURSE</td>
<td>A: HUMANITIES / ELECTIVE</td>
<td>0/3</td>
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</table>

**MILESTONES:**
- Complete 7-8 of 39 H 3000-4000 REQUIREMENT
- Complete 2 of 8 courses required for BIOL MAJOR
- Take CHEM 3411/3411L as one of the BIOL requirements (if a Graduate or Professional School Required)

**TERM 2: SPRING**

<table>
<thead>
<tr>
<th>COURSE</th>
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<th>CREDIT HOURS</th>
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<tbody>
<tr>
<td>BIOL COURSE</td>
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<td>BIOL COURSE</td>
<td>3000-4000 level</td>
<td>3/4</td>
</tr>
<tr>
<td>ELECTIVE</td>
<td>3000-4000 level</td>
<td>3/4</td>
</tr>
<tr>
<td>T2: SCIENCE + LAB</td>
<td>Non-Science Major Option</td>
<td>4</td>
</tr>
<tr>
<td>A: HUMANITIES / ELECTIVE</td>
<td>0/3</td>
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</tr>
</tbody>
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**MILESTONES:**
- Complete 19-20 of 39 H 3000-4000 REQUIREMENT
- Complete 4 of 8 courses required for BIOL MAJOR
- Complete Core Requirements

**TERM 4**

**TERM 1: FALL**

<table>
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<tbody>
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</tr>
<tr>
<td>ELECTIVE</td>
<td>3000-4000 level</td>
<td>3/4</td>
</tr>
</tbody>
</table>

**MILESTONES:**
- Complete 2 of 2 DSW REQUIREMENTS
- Complete 6 of 8 COURSES REQUIRED FOR BIOL MAJOR
- Complete 30-32 of 39 H 3000-4000 REQUIREMENT

**TERM 2: SPRING**

<table>
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<tbody>
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</tr>
<tr>
<td>ELECTIVE</td>
<td>3000-4000 level</td>
<td>3/4</td>
</tr>
</tbody>
</table>

**MILESTONES:**
- Complete 38 of 39 H 3000-4000 REQUIREMENT
- Complete 6 of 8 COURSES REQUIRED FOR BIOL MAJOR
- Complete 1 of 2 DSW REQUIREMENTS

**CRUSH YOUR COURSEWORK**

- Take part in or help organize an implicit bias workshop.
- Dig deeper into study abroad opportunities.
- Learn a new language.
- Take part in cultural offerings on campus.

**FIND YOUR PLACE**

- Explore Internship and Faculty-Mentored Research opportunities in your sophomore and junior years.
- Volunteer for a leadership position in a biology club.
- Become an active participant and volunteer in the classroom, lab, field trips, and STEM outreach.
- Attend a scientific conference.
- Get involved in other clubs and professional societies related to your interests.

**BROADEN YOUR PERSPECTIVES**

- Do volunteer work in your field.
- Ask your department about networking opportunities with alumni.
- Attend career fairs and events.
- Attend UWG sponsored events off-campus.

**CONNECT 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 YOURSELF**

- Visit Career Services and attend a ‘resume-building’ workshop.
- Draft your resume and attend an interview workshop with Career Services.
- 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.
- Apply for Scholarships through the Scholarship Portal.

**PAVE YOUR PATH**

- 15/16 FALL CREDIT HOURS + 15/16 SPRING CREDIT HOURS = 30/32 CREDIT HOURS

**CRUSH YOUR COURSEWORK**

- Complete Area F in sophomore year.
- Complete BIOL 3134, BIOL 3135 or 3234 and BIOL 3310 in sophomore year.
- Establish your academic and undergraduate research concentration and certificate options.
- Take required courses as they are offered.
- Finish your research.

**FIND YOUR PLACE**

- Establish your academic and undergraduate research concentration and certificate options.
- Take required courses as they are offered.
- Finish your research.

**COVER YOUR OPTIONS**

- Send your resume to one of our alumni.
- Complete a self-assessment to see what careers and majors are right for you.
- Visit Career Services.
- Do an internship or study abroad.
- Expand your professional network.

**BROADEN YOUR PERSPECTIVES**

- Ask for advice from professionals in your field of interest.
- Send your resume to one of our alumni.
- Complete a self-assessment to see what careers and majors are right for you.
- Visit Career Services.
- Do an internship or study abroad.
- Expand your professional network.

**CONNECT OFF-CAMPUS**

- Explore a farmer’s market for fresh produce.
- Explore diversity and inclusion issues in your research and/or internship.
- Ask for advice from professionals in your field of interest.
- Send your resume to one of our alumni.
- Complete a self-assessment to see what careers and majors are right for you.
- Visit Career Services.
- Do an internship or study abroad.
- Expand your professional network.

**TAKE CARE OF YOURSELF**

- Register for and complete standardized exams (e.g., MCAT, GRE, etc.) for professional and graduate school applications.
- Request references from professors and supervisors.
- Draft your resume cover letter and personal statement and review it with Career Services.
- Attend business fairs and career fairs at UWG and across the state.
- Participate in a ‘mock’ practice interview.
- Apply for professional or graduate programs and/or career opportunities.

**PAVE YOUR PATH**

- 14/16 FALL CREDIT HOURS + 14/15 SPRING CREDIT HOURS = 28/31 CREDIT HOURS