



Department of Chemistry

Franklin College of Arts and Sciences

UNIVERSITY OF GEORGIA

B.S. Chemistry (Non-ACS Majors)
Pre-Professional Healthcare Track

<p style="text-align: center;"><u>Fall Year 1</u></p> <ol style="list-style-type: none">1. CHEM 1411 + Lab – 4 credit hours2. MATH 2250 – 4 credit hours3. 4-7 credit hours of Franklin Requirements/UGA Core <p style="text-align: right;">Total: 12-15 credit hours</p>	<p style="text-align: center;"><u>Spring Year 1</u></p> <ol style="list-style-type: none">1. CHEM 1412 + Lab – 4 credit hours2. MATH 2260 – 4 credit hours3. BIOL 1107 + Lab – 4 credit hours4. 3 credit hours of Franklin Requirements/UGA Core <p style="text-align: right;">Total: 15 credit hours</p>
<p style="text-align: center;"><u>Fall Year 2</u></p> <ol style="list-style-type: none">1. CHEM 2411 + Lab – 4 credit hours2. BIOL 1108 + Lab – 4 credit hours3. 3 credit hours of Franklin Requirements/UGA Core <p style="text-align: right;">Total: 15 credit hours</p>	<p style="text-align: center;"><u>Spring Year 2</u></p> <ol style="list-style-type: none">1. CHEM 2412 + Lab – 4 credit hours2. CHEM 2300 + Lab – 4 credit hours3. 3 credit hours of Franklin Requirements/UGA Core <p style="text-align: right;">Total: 15 credit hours</p>
<p style="text-align: center;"><u>Fall Year 3</u></p> <ol style="list-style-type: none">1. PHYS 1211 – 4 credit hours2. CHEM 3400 – 3 credit hours3. 3-6 credit hours of Franklin Requirements/UGA Core <p style="text-align: right;">Total: 13-16 credit hours</p>	<p style="text-align: center;"><u>Spring Year 3</u></p> <ol style="list-style-type: none">1. PHYS 1212 – 4 credit hours2. BCMB 4010 – 4 credit hours3. Option: CHEM 4960R Research or CHEM 3710 Chemistry Learning Assistant <p style="text-align: right;">Total: 12-16 credit hours</p>
<p style="text-align: center;"><u>Fall Year 4</u></p> <ol style="list-style-type: none">1. CHEM 3300 – 3 credit hours – Fall Only2. CHEM 3110 – 3 credit hours – Fall Only3. Upper Level Chemistry course or Chemistry Research – 1-4 credit hours <p style="text-align: right;">Total: 12-16 credit hours</p>	<p style="text-align: center;"><u>Spring Year 4</u></p> <ol style="list-style-type: none">1. CHEM 3511 – 3 credit hours2. CHEM 3550W – 3 credit hours3. GENE 3200 – 4 credit hours4. CHEM 4960R or CHEM 3710 <p style="text-align: right;">Total: 12-16 credit hours</p>

Notes:

1. This is NOT an exhaustive list of ALL degree requirements. See DegreeWorks and your advisor to make sure you are on track with all degree requirements.
2. Summer courses are available and encouraged. Summer courses available: CHEM 2300+Lab, PHYS 1211 and 1212, MATH 2250, MATH 2260, CHEM 1211, CHEM 1212, BIOL 1107, BIOL 1108, Undergraduate Chemistry Research Courses (CHEM 4960R, 4970R, etc.)
3. See Pre-Health advising office to make sure you are completing necessary pre-requisite courses for medical/dental/physician associate school, etc.
4. If you need to take MATH 1113 your first semester, consider starting with CHEM 1210 instead of CHEM 1411.

BSCHEM vs. BS-Chemistry

Terminology:

- **BSCHEM = ACS Major**, Students who graduate with a BSCHEM degree are certified by the American Chemical Society
- **BS-Chemistry = Non-ACS**, Students who graduate with BS-Chemistry will not be certified by the American Chemical Society

Careers:

- **ACS Majors** are students whose future career goals involve being professional chemists, applying to graduate programs, college or university academia, high school teaching, etc.
- **Non-ACS Majors** are typically students seeking careers in healthcare. Examples include medical school, dental school, pharmacy school, physician associate school, etc.

Degree Quick Facts:

- **ACS Majors:**
 - 2 semesters of Physical Chemistry
 - 2 semesters of Experimental Methods
 - MATH 2270 (Calculus III)
 - 1 Franklin College Requirement (Multicultural)
 - Research Required
- **Non-ACS Majors:**
 - 1 semester of Physical Chemistry
 - 1 semester of Experimental Methods
 - Only MATH 2250 and 2260 required (Calculus I and II)
 - 8 Franklin College Requirements
 - Research encouraged but not required