



Department of Chemistry

Franklin College of Arts and Sciences

UNIVERSITY OF GEORGIA

B.S.Chem. – ACS Degree

<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 UGA Core/University Requirements <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 hours (Other options for Life Science available)4. 3 credit hours of UGA Core/University Requirements <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. MATH 2270 – 4 credit hours3. PHYS 1211 – 4 credit hours4. 3 credit hours of UGA Core/University Requirements <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. PHYS 1212 – 4 credit hours4. 3 credit hours of UGA Core/University Requirements <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. CHEM 3300 – 3 credit hours – Fall Only2. CHEM 3211 – 3 credit hours – Fall Only3. 6 credit hours or more of UGA Core/University Requirements <p style="text-align: right;">Total: 12-16 credit hours</p>	<p style="text-align: center;"><u>Spring Year 3</u></p> <ol style="list-style-type: none">1. CHEM 3212 – 3 credit hours – Spring Only2. CHEM 4960R – 1-4 credit hours3. BCMB 4010 – 4 credit hours4. UGA Core/University Requirements <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 3400 – 3 credit hours2. CHEM 3511 – 4 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 3512 – 4 credit hours – Spring Only2. CHEM 3550W – 3 credit hours3. CHEM 4960R Research – 1-4 credit hours <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 degree requirements outside of the Chemistry major.
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 Research Courses (CHEM 4960R, 4970R, etc.)
3. 3 credit hours of research are REQUIRED for the BSChem degree. Research satisfies the Experiential Learning requirement.
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