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.
<table>
<thead>
<tr>
<th>YEAR 1</th>
<th>TERM 1</th>
<th>TERM 2</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>A1: ENGL 1101 3</td>
<td>A1: ENGL 1102 3</td>
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<td></td>
<td>English Composition I</td>
<td>English Composition II</td>
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<td></td>
<td>A2: MATH 1113 4</td>
<td>D2: MATH 1634 4</td>
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<td>Precalculus</td>
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<td>B2: XIDS 2002 2</td>
<td>F: CHEM 1212/1212L 4</td>
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<td>First Year Seminar Course</td>
<td>Principles of Chemistry 2 + Lab</td>
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<tr>
<td></td>
<td>F: CHEM 1211/1211L 4</td>
<td>B1, C, OR E 3</td>
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<td>Principles of Chemistry I + Lab</td>
<td>MILESTONES:</td>
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<td>B1, C, OR E 3</td>
<td>• COMPLETE ENGL 1102 C OR BETTER</td>
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<td>MILESTONES:</td>
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<td>• COMPLETE ENGL 1101 C OR BETTER.</td>
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<tr>
<td></td>
<td>• COMPLETE MATH 1113 AND CHEM 1211 C OR BETTER</td>
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16 FALL CREDIT HOURS + 14 SPRING CREDIT HOURS = 30 CREDIT HOURS

<table>
<thead>
<tr>
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<th>TERM 1</th>
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<tbody>
<tr>
<td></td>
<td>F: MATH 2644 4</td>
<td>CHEM 3422/3422L 4</td>
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<td>Calculus II</td>
<td>Organic Chemistry II + Lab</td>
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<tr>
<td></td>
<td>F: CHEM 2411/2411L 4</td>
<td>D1: PHYS 2212/2212L 4</td>
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<tr>
<td></td>
<td>Organic Chemistry I + Lab</td>
<td>Principles of Physics II + Lab</td>
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<tr>
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<td>CHEM 2130 1</td>
<td>B1, C, OR E 3</td>
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<td></td>
<td>Sophomore Chemistry Seminar</td>
<td>ELECTIVE 3</td>
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<tr>
<td></td>
<td>D1: PHYS 2211/2211L 4</td>
<td>MILESTONES:</td>
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<td></td>
<td>Introductory Principles of Physics I + Lab</td>
<td>• COMPLETE ORGANIC II AND PHYSICS II BY THE END OF YEAR 2.</td>
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<tr>
<td></td>
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<tr>
<td></td>
<td>MILESTONES:</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• EXPLORE RESEARCH PROJECTS/PROFESSORS</td>
<td></td>
</tr>
</tbody>
</table>

16 FALL CREDIT HOURS + 14 SPRING CREDIT HOURS = 30 CREDIT HOURS

Key:
- Color: Core Area and Credit Hours
- Color: Physical Chemistry Course
- Color: Chemistry Course
- Color: Elective Course
### YEAR 3

#### Term 1

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>CHEM 3310K</td>
<td>Analytical Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 35XX</td>
<td>Physical Chemistry (see note below)</td>
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<tr>
<td>CHEM 4083</td>
<td>Faculty Directed Research</td>
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</tr>
<tr>
<td>BI, C, OR E</td>
<td>Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

**Milestones:**
- CHEM 3310K may be taken in Year 2 Summer

#### Term 2

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>CHEM 4330K</td>
<td>Instrumental Analysis</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 35XX</td>
<td>Physical Chemistry (see note below)</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 4083</td>
<td>Faculty Directed Research</td>
<td>1</td>
</tr>
<tr>
<td>CHEM 4711</td>
<td>Biochemistry</td>
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</tr>
<tr>
<td>BI, C, OR E</td>
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</tr>
</tbody>
</table>

**Milestones:**
- Complete two semesters CHEM 4083

14 FALL CREDIT HOURS + 14 SPRING CREDIT HOURS = 28 CREDIT HOURS

### YEAR 4

#### Term 1

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>CHEM 4610</td>
<td>Inorganic Chemistry</td>
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</tr>
<tr>
<td>CHEM 3550L</td>
<td>Physical Chemistry Lab</td>
<td>2</td>
</tr>
<tr>
<td>CHEM 4083</td>
<td>Faculty Directed Research</td>
<td>1</td>
</tr>
<tr>
<td>BI, C, OR E</td>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td>CHEM ELECTIVE</td>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td>ELECTIVE</td>
<td>Elective</td>
<td>4</td>
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</table>

**Milestones:**
- Complete 4 credit hours of research (CHEM 4083)
- Complete thesis and oral presentation (CHEM 4084)

#### Term 2

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Hours</th>
</tr>
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<tbody>
<tr>
<td>CHEM 4913L</td>
<td>Advanced Synthesis Laboratory</td>
<td>2</td>
</tr>
<tr>
<td>CHEM 4084</td>
<td>Senior Seminar</td>
<td>1</td>
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<tr>
<td>CHEM 4083</td>
<td>Faculty Directed Research</td>
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<tr>
<td>BI, C, OR E</td>
<td>Elective</td>
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<tr>
<td>CHEM ELECTIVE</td>
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</tr>
<tr>
<td>ELECTIVE</td>
<td>Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

**Milestones:**
- Complete 4 credit hours of research (CHEM 4083)
- Complete thesis and oral presentation (CHEM 4084)

16 FALL CREDIT HOURS + 16 SPRING CREDIT HOURS = 32 CREDIT HOURS

### Additional Information

- **Physical Chemistry Courses:** Anywhere you see 35XX above, students can choose between Quantum Chemistry, Chemical Thermodynamics, and Structure, Bonding, & Reactivity with advisor approval/advice.
- **For Chemistry Electives:** Students are required to choose from: Advanced Organic, Spectroscopy, Materials Chemistry, Green Chemistry, and Physical Biochemistry.
- **All Other Electives:** Math and Science Electives are preferred. Students should work with their advisor to choose electives that will support and complement their life goals.
A1 Communication Skills
A2 Quantitative Skills
B1 Written and Oral Communications
B2 Other Institutional Options
C1 Fine Arts
C2 Humanities
D1 Natural Science
D2 Mathematics, Science, and Quantitative Technology
E1 World History
E2 American/Georgia History
E3 American/Georgia Government
E4 Social Science
F Major Courses
**Crush Your Coursework**

**Broaden Your Perspectives**

- Look at the Chemistry Careers page on the American Chemical Society's webpage
- 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
- Look into on-campus 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)
- Look at the Careers page on the American Chemical Society's webpage

**Connect Off-Campus**

- Sign up for Handshake through Career Services
- Talk to your faculty mentor
- Look into on-campus 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)
- 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

**Find Your Place**

- Choose Concentration (ACS track recommended)
- Connect with your faculty mentor
- Join clubs (Chemistry Association or Emerging Healthcare Leaders recommended)
- Sign up for Handshake through Career Services
- Create an account in LinkedIn
- Talk to alumni guest speakers and make connections
- Look into on-campus 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)
- Talk to alumni in a career field of interest, matched by your faculty mentor

**Take Care of Yourself**

- Take Sophomore Seminar
- Complete Organic Chemistry sequence
- Complete Analytical Chemistry
- Complete other supporting courses (see Advisor to have a clear roadmap)
- Attend program/department/college events
- Attend senior research presentations and on-campus conferences
- Study and hang out in the student lounge (TLC 2116)
- Take Senior Seminar
- Take senior capstone course(s) and complete a senior project
- Complete all required courses for a degree
- Re-examine career paths with a chemistry degree (ACS Career page, alumni connections, your own aptitude and interest)
- Talk to your faculty mentor
- Look into on-campus 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)
- Talk to your faculty mentor
- Look into on-campus 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)

**READY**

**FIRST YEAR**

- Choose Concentration (ACS track recommended)
- Connect with your faculty mentor
- Join clubs (Chemistry Association or Emerging Healthcare Leaders recommended)
- Look at the Chemistry Careers page on the American Chemical Society’s webpage
- Sign up for Handshake through Career Services
- Look into on-campus 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)
- Look at the Careers page on the American Chemical Society’s webpage

**SET**

**MIDDLE YEARS**

- Take Sophomore Seminar
- Complete Organic Chemistry sequence
- Complete Analytical Chemistry
- Complete other supporting courses (see Advisor to have a clear roadmap)
- 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 2116)
- Take Sophomore Seminar
- Complete Organic Chemistry sequence
- Complete Analytical Chemistry
- Complete other supporting courses (see Advisor to have a clear roadmap)
- 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 2116)

**GO**

**LAST YEAR**

- Take Senior Seminar
- Take senior capstone course(s) and complete a senior project
- Complete all required courses for a degree
- Attend program/department/college events
- Attend on-campus conferences
- Study and hang out in the student lounge (TLC 2116)
- Take Senior Seminar
- Take senior capstone course(s) and complete a senior project
- Complete all required courses for a degree
- Attend program/department/college events
- Attend on-campus conferences
- Study and hang out in the student lounge (TLC 2116)