# Major Academic Pathway (MAP)  
**Chemistry, Chemistry Emphasis**  
Bachelor of Science

### Fall Semester 1
- AChm 120/or TChm 130 **NS**  
- AChm 124  
- APhy 140/or TPhy 141 **NS**  
- APhy 145  
- AMat 112 or 118 **MS**  
- Humanities Gen Ed **HU**

### Spring Semester 1
- AChm 121/or TChm 131  
- AChm 125  
- APhy 150/or TPhy151  
- APhy 155  
- AMat 113 or 119  
- Art Gen Ed **AR**

### Summer 1
- Consider coursework  
- Look for a summer job in the area of your studies

### Fall Semester 2
- AChm 220  
- AChm 222  
- AMat 214  
- APhy 240/241  
- Social Science Gen Ed **SS**  
- UUnl 205 or 206 **IL**

### Spring Semester 2
- AChm 221  
- AChm 223  
- AChm 225  
- Social Science Gen Ed **SS**  
- US Historical Perspectives Gen Ed **US**  
- Lower level writing Gen Ed **LL WI**

### Summer 2
- Consider study abroad options  
- Look for shadowing/research opportunities

### Fall Semester 3
- AChm 350  
- AChm 352Z **UL WI**  
- Foreign Language 1  
- Europe Gen Ed **EU**  
- Global & Cross Cultural Gen Ed **GC**

### Spring Semester 3
- AChm 351  
- AChm 353  
- AChm 417  
- Foreign Language 2 Gen Ed **FL**  
- Regions Beyond Europe Gen Ed **BE**

### Summer 3
- Summer internship/research

### Fall Semester 4
- AChm 420  
- AChm 442 or AChm 342  
- Oral Discourse Gen Ed **OD**  
- US Diversity & Pluralism Gen Ed **DP**  
- Elective

### Spring Semester 4
- Advanced Chemistry Elective  
- Elective  
- Elective  
- Elective  
- Elective

### Congratulations!

**Courses selected in the major, minor or as electives may also satisfy General Education requirements.**

## General Education Requirements

**Disciplinary Perspectives**
- **AR** Arts (min. 3 crs.)  
- **HU** Humanities (min. 3 crs.)  
- **NS** Natural Sciences (min. 6 crs.)  
- **SS** Social Sciences (min. 6 crs.)

**Cultural and Historical Perspectives**
- **US** U.S. Historical Perspectives (min. 3 crs.)  
- **EU** Europe (min. 3 crs.)  
- **BE** Regions beyond Europe (min. 3 crs.)  
- **GC** Global and Cross-Cultural Studies (min. 3 crs.)  
- **DP** U.S. Diversity and Pluralism (min. 3 crs.)

**Communication and Reasoning Competencies**
- **IL** Information Literacy (min. 1 course)  
- **OD** Oral Discourse (min 1 course)  
- **WI** Written Discourse:  
  - --Lower-level writing (min 1 course)  
  - --Upper-level writing (min 1 course)  
- **MS** Mathematics and Statistics (one semester of collegiate study, or the equivalent, of mathematics at or above the level of pre-calculus and/or probability, statistics, and data analysis)  
- **FL** Foreign Language (two semesters of collegiate study, or the equivalent, of a foreign language)

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NOTE: This is a suggested course sequence.  
Prepared by Advisement Services -  
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