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

**NOTE:** This is a suggested course sequence. Prepared by Advisement Services - 2006

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

### Spring Semester 1
- AChm 121/or TChm 131
- AChm 125
- APhy 150/or TPhy 151
- APhy 155
- AMat 113/119
- Arts 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
- US Historical Perspectives Gen Ed **US**
- UUnl 205 or 206 **IL**

### Spring Semester 2
- AChm 221
- AChm 223
- AChm 225
- APhy 462
- Social Science Gen Ed **SS**
- 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 408
- Foreign Language 2 Gen Ed **FL**
- Regions Beyond Europe Gen Ed **BE**
- Social Science Gen Ed **SS**

### Summer 3
- Summer internship/research

### Fall Semester 4
- AChm 420
- XRPI 300 – CHEM 4640
- Oral discourse Gen Ed **OD**
- US Diversity & Pluralism Gen Ed **DP**
- Elective

### Spring Semester 4
- AChm 495
- 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:
  - **LL** Lower-level writing (min 1 course)
  - **UL** 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)