

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

<p><u>Fall Semester 1</u></p> <p>AChm 120/or TChm 130 NS AChm 124 APhy 140/or TPhy 141 NS APhy 145 AMat 112/118 MS Humanities Gen Ed HU</p>	<p><u>Spring Semester 1</u></p> <p>AChm 121/or TChm 131 AChm 125 APhy 150/or TPhy 151 APhy 155 AMat 113/119 Arts Gen Ed AR</p>	<p><u>Summer 1</u></p> <p>Consider coursework</p> <p>Look for a summer job in the area of your studies</p>
<p><u>Fall Semester 2</u></p> <p>AChm 220 AChm 222 AMat 214 APhy 240/241 US Historical Perspectives Gen Ed US UUnl 205 or 206 IL</p>	<p><u>Spring Semester 2</u></p> <p>AChm 221 AChm 223 AChm 225 APhy 462 Social Science Gen Ed SS Lower level writing Gen Ed LL WI</p>	<p><u>Summer 2</u></p> <p>Consider study abroad options</p> <p>Look for shadowing/research opportunities</p>
<p><u>Fall Semester 3</u></p> <p>AChm 350 AChm 352Z UL WI Foreign Language 1 Europe Gen Ed EU Global & Cross-Cultural Gen Ed GC</p>	<p><u>Spring Semester 3</u></p> <p>AChm 351 AChm 408 Foreign Language 2 Gen Ed FL Regions Beyond Europe Gen Ed BE Social Science Gen Ed SS</p>	<p><u>Summer 3</u></p> <p>Summer internship/research</p>
<p><u>Fall Semester 4</u></p> <p>AChm 420 XRPI 300 – CHEM 4640 Oral discourse Gen Ed OD US Diversity & Pluralism Gen Ed DP Elective</p>	<p><u>Spring Semester 4</u></p> <p>AChm 495 Elective Elective Elective Elective</p>	<p><u>Congratulations!</u></p>

**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)