

**Sample 4-year Sequence** (Actual courses may vary with advisement and course availability)

**BS\_01– BS ACS-Certified Degree in Chemistry, with Research**

<b>Fall Semester</b>	<b>Spring Semester</b>
FSP/First Seminar <b>CHE 099/Orientation to Chemistry</b> <b>CHE 201/General Chemistry I</b> <i>PHY 201/General Physics I</i> <i>MAT 127/Calculus A</i>	<b>CHE 202/General Chemistry II</b> <i>MAT 128/Calculus B</i> <i>PHY 202/General Physics II</i> Language or Liberal Learning Course*
<b>Fall Semester</b>	<b>Spring Semester**</b>
<b>CHE 331/Organic Chemistry I</b> [CHE 316/Sophomore Seminar] [CHE 310/Analytical Chemistry] Language, Liberal Learning or Elective courses (2)	<b>CHE 332/Organic Chemistry II</b> [CHE316/Sophomore Seminar] <b>CHE 371/Quantum Chemistry</b> Language, Liberal Learning or Elective courses (2)
<b>Fall Semester**</b>	<b>Spring Semester**</b>
<b>CHE 372/Thermodynamics</b> <b>CHE 300/400 Advanced Options Class***</b> [CHE 317/Junior Seminar] <b>CHE 493/Independent Research</b> Liberal Learning or Elective courses (2)	[CHE 317/Junior Seminar] <b>CHE 430/Biochemistry or</b> <b>CHE 451(2)/Inorganic Chemistry</b> <b>CHE 493/Independent Research</b> Liberal Learning or Elective courses (2)
<b>Fall Semester</b>	<b>Spring Semester</b>
<b>CHE 493/Independent Research</b> <b>CHE 300/400 Advanced Options***</b> Elective courses	<b>CHE 430/Biochemistry or</b> <b>CHE 451(2)/Inorganic Chemistry</b> <b>CHE 493/Independent Research</b> <b>CHE 300/400 Advanced Options***</b> Elective course

\* *Students interested in entering graduate or professional programs in Biochemistry or Medicine should enroll in BIO 185 for the Spring semester*

[ ] offered every semester

\*\*May take CHE 493 research

\*\*\* *An additional unit of CHE 493 can be taken and will be counted as satisfying a CHE 300 level Advanced Options course requirements. Students may only take one CHE 300 Advanced Options course to satisfy the BS\_01 degree.*

300 level options

*Those offered by the department (including CHE 360, CHE 370)*

*CHE 490 Student Teaching*

*An additional unit of CHE 493*

*Those options approved at the discretion of the Chair of the Department*