

## Sample Course Sequence:

### ACS Chemistry Major Mathematics Minor

Year	Fall	Spring
Freshman	CHM 103 <i>General Chemistry I</i> *	CHM 104 General Chemistry II *
	MTH 207 <b>Calculus I</b>	MTH 208 <b>Calculus II</b>
	ENG 110 <i>College Writing I</i>	CST 110 <i>Speech</i>
	<i>General Ed. Elective</i>	<i>General Ed. Elective</i>
	16	15
Sophomore	CHM 303 Organic Chemistry I	CHM 304 Organic Chemistry II
	CHM 301 Analytical Chemistry *	CHM 305 Organic Chemistry Lab *
	MTH 309 <b>Calculus III</b>	MTH 310 <b>Calculus IV</b>
	PHY 203 <i>General Physics I</i> *	PHY 204 General Physics II *
		<i>General Ed. Elective</i>
	16	16
Junior	CHM 309 Physical Chemistry I	CHM 310 Physical Chemistry II
	CHM 441 Instrumental Analysis *	CHM 405 Advanced Synthesis *
	MTH 250 <b>Engineering Statistics</b>	CHM 499 Research and Seminar *‡
	<i>General Ed. Elective</i>	<i>General Ed. Elective</i>
	<i>General Ed. Elective</i>	<i>General Ed. Elective</i>
	16	14
Senior	CHM 313 Physical Chemistry Lab *	CHM 325 Survey of Biochemistry *
	CHM 431 Inorganic Chemistry	CHM xxx Chemistry Elective
	MTH xxx <b>Math Elective</b>	CHM 471 Capstone in Chemistry
	CHM 499 Research and Seminar *‡	<i>General Ed. Elective</i>
	<i>General Ed. Elective</i>	Elective §
	13	14

\* Courses with a laboratory component.

‡ Research in chemistry is not required, but is strongly recommended. Students are encouraged to enroll for two semesters of research if possible. If CHM 499 is not chosen, an additional 3 credits must be taken to fulfill the UW-L graduation requirement of 120 credits.

§ Credits needed to fulfill UW-L graduation requirement. An elective in Chemistry or Math is strongly Recommended.

Courses in *italics* (or **bold italics**) represent General Education courses (48 credits required). Recommended electives include:

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| <ul style="list-style-type: none"> <li>• SAH 105 Health, Wellness and Disease (3)</li> <li>• MTH 250 Engineering Statistics (3)</li> <li>or • C-S 120 Software Design I (3)</li> </ul> | <p><i>satisfies IIG: Health and Physical Well-Being<br/>general elective, counts towards <b>Math minor</b><br/>general elective, pre-req. for <b>MTH 371</b></i></p> |
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Courses in **bold** represent courses that satisfy the Mathematics Minor (22 credits). Recommended electives include:

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| <ul style="list-style-type: none"> <li>• MTH 310 Calculus IV (4)</li> <li>• MTH 250 Engineering Statistics (3)</li> <li>• MTH 353 Differential Equations (3)</li> <li>• MTH 371 Numerical Analysis (3)</li> </ul> | <p><i>not req., but strongly recommended<br/>not req., but strongly recommended<br/><br/>the C-S 120 prereq can be used for gen. ed. credit</i></p> |
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