

Earning a minor in a challenging subject like chemistry adds academic rigor and breadth to your education and helps demonstrate that you are serious about learning science. This can be beneficial if you are anticipating a career in fields such as environmental sciences, business, secondary education, or medicine.

See the [Chemistry website](#) for more details about the Chemistry minor.

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## Chemistry Minor Curriculum

- All courses from OSU or elsewhere must be taken for a grade (not S/U) and over all GPA for all OSU and transfer chemistry courses must be a 2.0 or higher.
- At least 15 credits from OSU

Chemistry Minor Requirements 2024-2025 Curriculum			
Total Credits: minimum 27 credits			
Chemistry Required Courses	Pre/Co-Requisites & Notes	Typically Offered	Grade
<b>Required Core:</b> Select one of the following general chemistry sequences (12-15 credits)			
General Chemistry: <ul style="list-style-type: none"> <li>CH 121 (4)</li> <li>CH 122 (4)</li> <li>CH 123 (4)</li> </ul>		Fall Winter Spring	
General Chemistry & Lab: <ul style="list-style-type: none"> <li>CH 231/261 (5)</li> <li>CH 232/262 (5)</li> <li>CH 233/263 (5)</li> </ul>	MTH 111Z or higher OR math placement CH 231/261 (C-) CH 232/262 (C-)	Fall Winter Spring	
Chemistry for Engineering Majors & Lab: <ul style="list-style-type: none"> <li>CH 201</li> <li>CH 202 &amp; 205</li> <li>CH 123</li> </ul>	MTH 111Z or higher OR math placement CH 121 or CH 201 or CH 231 (C-); CH 202 CH 122 or CH 232 & 262 (C-) or CH 202 & 205 (C-)	Fall Winter Spring	
<b>Electives:</b> Select 4 upper-division courses from 2 of the following areas, including one laboratory Course* (12-15 credits)			
<b>Organic Chemistry</b>			
CH 331 Organic Chemistry (4)	Biology Majors; CH 233/263 (C-)	Fall	
CH 332 Organic Chemistry (4)	Biology Majors; CH 331 (C-)	Winter	
CH 334 Organic Chemistry (3)	BMB Majors; CH 233/263 (C-)	Fall	
CH 335 Organic Chemistry (3)	BMB Majors; CH 334 (C-)	Winter	
CH 336 Organic Chemistry (3)	BMB Majors; CH 335 (C-)	Spring	
CH 337 Organic Chemistry Lab* (4)	Biology & BMB Majors; Laboratory Course; CH 331 & 332	Spring	
<b>Inorganic Chemistry</b>			
CH 411 Inorganic Chemistry (3)	Ecampus (not offered at Cascades); Recommended 1-year general chemistry	Winter	

<b>Physical Chemistry</b>			
CH 440 Physical Chemistry (3)	Ecampus (not offered at Cascades); Recommended one-year general chemistry & one year of college physics	Winter	
CH 441 Physical Chemistry (3)	Ecampus (not offered at Cascades); CH 440 or CHE 311 and MTH 254 (C-)	Winter	
CH 442 Physical Chemistry (3)	Ecampus (not offered at Cascades); CH 441 & MTH 254 (C-)	Winter	
<b>Analytical Chemistry</b>			
CH 324 Quantitative Analysis* (4)	Laboratory Course; CH 233/263 (C-)	Fall	
CH 390 Environmental Chemistry (3)	Ecampus (not offered at Cascades); CH 331 or CH 334	Winter & Spring	

\*Disclaimer: Information is for OSU-Cascades only and is subject to change with curriculum changes.