

UW Bothell — Chemistry w/ Biochem Degree Checklist

2016-2017 Offerings

Prerequisites: 51 credits		
B CUSP / STMATH 124: Calculus I	5	
B CUSP / STMATH 125: Calculus II	5	
B CUSP / STMATH 126: Calculus III	5	
B CHEM 143, 144: General Chemistry I w/ Lab	6	
B CHEM 153, 154: General Chemistry II w/ Lab	6	
B CHEM 163, 164: General Chemistry III w/ Lab	6	
B CHEM 237: Organic Chemistry I	4	
* B CHEM 238, 241: Organic Chemistry II w/ Lab	7	
* B CHEM 239, 242: Organic Chemistry III w/ Lab	7	

* Internal applicants may enter the major with just BCHEM 237 completed, but must still complete the series.

Physics & Math: 20 credits		
B PHYS 121: Mechanics	5	
B PHYS 122: Electromagnetism and Oscillatory Motion	5	
B PHYS 123: Waves	5	
STMATH 307, 308, or 324: Upper Division Mathematics	5	

Biology: 10 credits		
B BIO 180: Introductory Biology I	5	
B BIO 200: Introductory Biology II	5	

Chemistry Core: 51 credits		
B CHEM 315: Quantitative Environmental Analysis	5	
B CHEM 364: Biochemistry I	5	
B CHEM 365: Biochemistry II	5	
B CHEM 366: Biochemistry Lab	3	
B CHEM 375: Molecular Biology	5	
B CHEM 401: Physical Chemistry I	4	
B CHEM 402: Physical Chemistry II	4	
B CHEM 404: Physical Chemistry Lab	4	
B CHEM 426: Instrumental Analysis	5	
B CHEM 495 : Investigative Chemistry I	3	
B CHEM 496: Investigative Chemistry II	3	
OR B CHEM 499: UG Research	3	
Upper Division Chemistry Elective	5	
Upper Division Chemistry Elective	Total	

General Education Requirements

Composition/Additional Writing (C/W): 10 credits		
Composition	5	
Technical or Research Writing Recommended	5	
Visual, Literary, and Performing Arts (VLPA): 15 credits		
	5	
	5	
	5	
Individual & Society (I&S): 15 credits		
	5	
	5	
	5	
Diversity (DIV): 3 credits - Can overlap with VLPA/I&S		
	3	
General Electives (as needed to attain 180 credits)		

Required credits/quarters remaining:

Autumn	Winter	Spring	Summer
✓	✓	✓	✓
✓	✓	✓	✓
✓	✓	✓	✓
✓	✓	—	—
—	✓	✓	—
—	—	✓	✓
✓	✓	—	—
—	✓	✓	—
—	—	✓	✓

Autumn	Winter	Spring	Summer
✓	✓	—	—
—	✓	✓	—
—	—	✓	✓
✓	✓	✓	✓

Autumn	Winter	Spring	Summer
✓	✓	—	—
—	✓	✓	—

Autumn	Winter	Spring	Summer
✓	—	—	—
✓	✓	—	✓
—	✓	✓	✓
✓	✓	—	—
✓	—	✓	—
✓	—	—	—
—	✓	—	—
—	—	✓	—
—	✓	—	—
✓	✓	—	—
—	✓	✓	—

Must arrange with instructor in advance.

Varies (usually in Winter and Spring)

Notes

Additional Information

- If you need assistance, please email Academic Advisor Chris Shaeffer: ShaefC@uw.edu
 - **Subject to Change** - All requirements and policies are subject to change without notice. The course list is updated regularly. Please check with your advisor to verify that a course fulfills any given requirement.
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- **Investigative Chemistry** - You must submit a petition to have anything other than BCHEM 496 or 499 count towards this requirement. No more than 10 credits of undergraduate research and/or independent study may be used towards your degree. All students are required to present their research at a UWB Research Symposium or Capstone Event. Begin planning for your research early!
 - **Requirement Overlap** - A single course cannot fulfill more than one degree-specific requirement, but it can fulfill a degree-specific requirement and any number of General Education requirements. VLPA and I&S cannot overlap.
 - **Using Other Coursework** - Some courses from other departments or institutions may fulfill degree requirements, but often require a petition. Check with your academic advisor.

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- **Total Credits** - You must have at least 180 college-level credits to earn this degree.
 - **Transfer Credits** - The University of Washington Bothell allows 135 credits to transfer. Of those, up to 90 credits may be lower division courses (100-200 level). You may petition to have more lower division credits transfer.
 - **Cross-Campus Enrollment** - After earning a certain number of credits at UW Bothell (usually 15), students may take up to 15 of their credits per academic year at other UW campuses.
 - **Residency** - To earn a degree from The University of Washington, students must complete 45 of their final 60 credits at their home campus (UW Bothell).
 - **Minimum GPA** - All classes in the Introductory Biology and General Chemistry series must be completed with a 2.0 or higher. In addition, you must maintain a minimum GPA of 2.0 to earn a degree from UWB.

Notes