



**University of Montana - Four-Year Academic Plan 2019-2020**  
**College of Humanities and Sciences**  
**Bachelor of Science in Computational Biochemistry**

This is an example of a four year graduation plan for a degree in Computational Biochemistry.

This is a sample academic plan. Students should meet with an academic advisor prior to registration to formulate their own plan.

Year 1		Year 2		Year 3		Year 4	
Fall		Fall		Fall		Fall	
CHMY 141/142 - College Chemistry I/Lab	5	CHMY 221 - Organic Chemistry I	3	BCH 480 - Advanced Biochemistry I	3	CHMY 311 - Analytical Chem-Quant Analysis	4
M171 - Calculus I	4	CHMY 222 - Organic Chemistry I Lab	2	CHMY 373 - Phys Chem-Kntcs & ThrmDnms	4	Upper Division Biochemistry Electives	6
BIOB 160/161 - Principles Living Systems/Lab	4	PHSX 215/216 - Fund of Physics w/ Calculus I & Physics Lab I w/ Calculus	5	BIOB 486 - Genomics	3	General Education Requirement	3
CSCI 135 - Fund of Computer Science I	3	CSCI 232 - Data Structures & Algorithms	4	CSCI 451 - Computational Biology	3		
		Intermediate Writing Course <sup>1</sup>	3	CSCI 315E - Computers, Ethics & Society	3		
Credits	16	Credits	17	Credits	16	Credit	13
Spring		Spring		Spring		Spring	
CHMY 143/144 - College Chemistry II/ Lab	5	CHMY 223 - Organic Chemistry II	3	BCH 482 - Advanced Biochemistry II	3	CHMY 421 - Advanced Instrument Analysis	4
M172 - Calculus II	4	CHMY 224 - Organic Chemistry II Lab	2	BCH 486 - Biochemistry Research Lab	3	Upper Division Biochemistry Electives	3
CSCI 136 - Fund of Computer Science II	3	PHSX 217/218 - Fund of Physics w/ Calculus II & Physics Lab II w/ Calculus II	5	General Education Requirements	9	General Education Requirement	6
WRIT 101 - College Writing	3	BIOB 272 - Genetics & Evolution	4				
		BCH 294 - Seminar/Workshop	1				
Credits	15	Credits	15	Credits	15	Credits	13
Summer		Summer		Summer		Summer	
Credits	0	Credits	0	Credits	0	Credits	0
<b>Total Credits</b>	<b>31</b>	<b>Total Credits</b>	<b>63</b>	<b>Total Credits</b>	<b>94</b>	<b>Total Credits</b>	<b>120</b>

**Notes:**

<sup>1</sup>See approved courses at <http://catalog.umt.edu/academics/general-education-requirements/> under the Group I: Writing tab. This course may fulfill a Gen Ed requirement, too, in which case a student can take 3 more credits of upper division elective in place of 3 credits of Gen Ed in Year 4.