



**BACHELOR of SCIENCE in Biochemistry (#519)**

Biology Department  
 Ogden College of Science and Engineering  
 Western Kentucky University

The suggested program of study shown below should be used in consultation with your advisor(s). Every student will finish with a unique plan of his/her own depending on the electives selected. Successful continuation in the major requires completion of BIOL 120/121, 122/123, CHEM 120/121, and CHEM 222/223 with a "C" or higher.

**SAMPLE – Finish in Four Plan**

FIRST YEAR			
Fall Semester		Spring Semester	
BIOL 120/121 or BIOL 122/123	4	BIOL 122/123 or 120/121	4
CHEM 120/121 College Chemistry I and Lab	5	CHEM 222/223 College Chemistry II and Lab	5
MATH 136 Calculus	4	HIST 101 or 102	3
ENG 100	3	COMM 145	3
<b>TOTAL CREDIT HOURS</b>	<b>17</b>	<b>TOTAL CREDIT HOURS</b>	<b>15</b>

SECOND YEAR			
Fall Semester		Spring Semester	
CHEM 330 Quantitative Analysis with a Lab	5	BIOL 319/322 Intro to Cell/Molec or BIOL 327/337*	4
Social and Behavioral Science	3	CHEM 340/341 Organic Chemistry I and Lab	5
PHYS 231/232 Physics/Biophysics I with a Lab	4	PHYS 332/233 Physics/Biophysics II with a lab	4
ENG 200 Introduction to Literature	3	Arts & Humanities	3
<b>TOTAL CREDIT HOURS</b>	<b>15</b>	<b>TOTAL CREDIT HOURS</b>	<b>16</b>

THIRD YEAR			
Fall Semester		Spring Semester	
CHEM 342/343 Organic Chemistry II with lab	5	BIOL 446 Biochemistry I	3
Biochemistry Elective—See Biochemistry Advisor	5	BIOL 447 Biochemistry I Lab	2
Writing in the Disciplines: COMM 200 or ENG 300 or GEOG 300	3	BIOL 411 Cell Biology	3
World Language	3	Connections Social & Cultural	3
		Connections Local to Global	3
<b>TOTAL CREDIT HOURS</b>	<b>16</b>	<b>TOTAL CREDIT HOURS</b>	<b>14</b>

FOURTH YEAR			
Fall Semester		Spring Semester	
BIOL 399 Research	3	BIOL 467 Biochemistry II	3
Colonnade Connections	3	Biochemistry Elective –See Biochemistry Advisor	3
Biochemistry Elective—See Biochemistry Advisor	3	Biochemistry Elective –See Biochemistry Advisor	3
Biochemistry Elective—See Biochemistry Advisor	3	Biochemistry Elective –See Biochemistry Advisor	3
		Biochemistry Elective –See Biochemistry Advisor	
<b>TOTAL CREDIT HOURS</b>	<b>12</b>	<b>TOTAL CREDIT HOURS</b>	<b>15</b>

**Total Credit Hours: 120**

For more details and courses offered in the Colonnade General Education program visit the [website](#).

**World Language Requirement:** Language Proficiency of novice-high before completing 60 credit hours is required (or completion of 2nd level of a language). Two credits (or equivalent) of a single world language in High School satisfies this WKU requirement.

\*319/322 is typically in the spring semester and 327/337 is typically in the fall semester, see Biology Advisor

**For more Information:**    **Department:** Biology  
**Website:** <https://www.wku.edu/biology/>  
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**Course Descriptions:** <http://www.wku.edu/undergraduatecatalog/>