

# B.A. IN BIOCHEMISTRY

Code	Title	Credits
<b>Major in Biochemistry (B.A.)</b>		
BIO 124 & BIO 124D	Integrative Biology: Genes, Cells, Change and Integrative Biology: Genes, Cells, Change Lab	4
BIO 128 & BIO 128D	Integrative Biology: Metabolism, Energy, Biodiversity and Integrative Biology: Metabolism, Energy, Biodiversity Lab	4
CHE 113 & CHE 113D	General Chemistry and General Chemistry Lab	4
CHE 200	Laboratory Safety and Chemical Hygiene	1
CHE 214 & CHE 215	General Chemistry II and General Chemistry II Lab	4
CHE 224 & CHE 225	Organic Chemistry I and Organic Chemistry I Lab	4
CHE 226 & CHE 227	Organic Chemistry II and Organic Chemistry II Lab	4
CHE 388 & CHE 389	Biochemistry I and Biochemistry I Lab	4
CHE 395	Chemistry Seminar: Research and Professional Development	1
CHE 396 & CHE 397	Biochemistry II and Biochemistry II Lab	4
CHE 494	Chemistry Seminar: Research Presentation	1
Choose one of the following research courses:		0-2
CHE 490	Chemistry Seminar: Research	
CHE 492	Chemistry Seminar: Summer Research	
Choose one of the following course sequences:		8
PHY 202 & PHY 202D & PHY 206 & PHY 207	Introductory Physics I and Introductory Physics I Lab and Introductory Physics II and Introductory Physics II Lab <sup>1</sup>	
or		
PHY 292 & PHY 292D & PHY 296 & PHY 297	General Physics I and General Physics I Lab and General Physics II and General Physics II Lab <sup>2, 3</sup>	
Choose from any 300 level applied health science, biology, chemistry, engineering, environmental science, neuroscience, or physics courses with the exception of AHS 303KZ, AHS 393, BIO 318KZ/ENS 318KZ, BIO 399, CHE 393, ENS 335K, and ENS 399		12

Code	Title	Credits
Major		55-57
General Education *		44-52
Electives		15-21
<b>Total Credits</b>		<b>122</b>

<sup>1</sup> MAT 121M, MAT 124M, or solid understanding and competency in high school mathematics as demonstrated by at least one of the following: a Math ACT score of at least 23, 519 on the Math

## *B.A. in Biochemistry 2*

portion of the SAT, a Math Placement Test score of at least 2 is a prerequisite for PHY 202/PHY 202D.

<sup>2</sup> MAT 124M is a prerequisite for PHY 292/PHY 292D.

<sup>3</sup> MAT 125 is a prerequisite for PHY 296/PHY 297.

\* Courses whose number is followed by a letter fulfill a General Education requirement.

Students may not declare a B.A. in Biochemistry and a Minor in Biology.

Students may not declare a B.A. in Biochemistry and a Minor in Chemistry.