

# BIOCHEMISTRY, B.A.

This program is designated for students who plan to attend professional schools in health-related areas, such as medicine or dentistry.

## Requirements for a Major in Biochemistry

Code	Title	Hours
Thirty-four semester hours including the following:		
<b>Required Courses</b>		
CHE 1301 & CHE 1101	Basic Principles of Modern Chemistry I and General Chemistry Laboratory I	4
CHE 1302 & CHE 1102	Basic Principles of Modern Chemistry II and General Chemistry Laboratory II	4
CHE 2416	Laboratory Measurements and Techniques	4
CHE 3238	Organic Chemistry Laboratory	2
CHE 3331	Organic Chemistry I	3
CHE 3332	Organic Chemistry II	3
CHE 4001	Exit Examination	0
CHE 4225	Biophysical Chemistry Laboratory	2
CHE 4141	Modern Biochemistry Laboratory	1
CHE 4151	Undergraduate Seminar I	1
CHE 4327	Physical Chemistry for the Life Sciences	3
CHE 4341	General Biochemistry	3
CHE 4342	Topics in Human Biochemistry	3
One semester hour of 4000-level CHE <sup>1</sup>		1
<b>Subtotal</b>		<b>34</b>
<b>Required Courses in Other Fields</b>		
BIO 1305 & BIO 1105 or BIO 1405	Modern Concepts of Bioscience and Modern Concepts of Bioscience Laboratory Investigations of Modern Biology Concepts I	4
BIO 1306 & BIO 1106 or BIO 1406	Modern Concepts of Bioscience, continued and Modern Concepts of Bioscience Laboratory Investigations of Modern Biology Concepts II	4
MTH 1321	Calculus I	3
MTH 1322	Calculus II	3
Select one of the following sequences:		8
PHY 1408 & PHY 1409	General Physics for Natural and Behavioral Sciences I and General Physics for Natural and Behavioral Sciences II	
PHY 1420 & PHY 1430	General Physics I and General Physics II	
<b>Total Hours</b>		<b>56</b>

<sup>1</sup> Excluding CHE 4321 Physical Chemistry I and CHE 4151 Undergraduate Seminar I