

# BIOCHEMISTRY - SECONDARY MAJOR

## Requirements for Secondary Major in Biochemistry

Code	Title	Hours
Thirty-seven 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 3331	Organic Chemistry I	3
CHE 3332	Organic Chemistry II	3
CHE 3238	Organic Chemistry Laboratory	2
CHE 4001	Exit Examination	0
CHE 4141	Modern Biochemistry Laboratory	1
CHE 4142	Advanced Biochemistry Laboratory	1
CHE 4151	Undergraduate Seminar I	1
CHE 4225	Biophysical Chemistry Laboratory	2
CHE 4327	Physical Chemistry for the Life Sciences	3
CHE 4341	General Biochemistry	3
CHE 4342	Topics in Human Biochemistry	3
Three semester hours of 4000-level CHE <sup>1</sup>		3
<b>Subtotal</b>		<b>37</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
Two 2000-4000 level, 3-4 hr BIO courses <sup>2</sup>		6
MTH 1321	Calculus I	3
MTH 1322	Calculus II	3
PHY 1408 or PHY 1420	General Physics for Natural and Behavioral Sciences I General Physics I	4
PHY 1409 or PHY 1430	General Physics for Natural and Behavioral Sciences II General Physics II	4
<b>Total Hours</b>		<b>65</b>

<sup>1</sup> A maximum of three semester hours of CHE 4V98 Senior Research Problems may count toward this requirement.

<sup>2</sup> BIO 2401 Human Anatomy and Physiology of Motion and Innervation and BIO 2402 Human Anatomy and Physiology of Metabolism and Processing cannot be used to complete this requirement.