

BIOCHEMISTRY (B.A.)

Degree: Bachelor of Arts

Major: Biochemistry

Concentration: None

Total Hours: 120

Code	Title	Hours
General Education Core Curriculum		
<i>Communication</i>		
ENGL 1301	Composition I	3
Select one of the following:		3
COMM 1315	Public Speaking I	
COMM 1321	Business and Professional Speech	
DSDE 1371	ASL I	
FREN 1311	Beginning French I	
SPAN 1311	Beginning Spanish I	
<i>Mathematics</i>		
MATH 1342	Statistics	3
<i>Life and Physical Science</i> ¹		
BIOL 1406	General Biology I (Majors)	4
BIOL 1407	General Biology II (Majors)	4
<i>Language, Philosophy and Culture</i>		
Select one of the following:		3
DSDE 1374	Introduction to Deaf Studies	
ENGL 2300	Close Reading II	
ENGL 2322	British Literature	
ENGL 2326	American Literature	
ENGL 2331	World Literature	
ENGL 2376	African-American Literature	
PHIL 1370	Philosophy of Knowledge	
PHIL 2306	Ethics	
<i>Creative Arts</i>		
Select one of the following:		3
ARTS 1301	Art Appreciation	
ARTS 1303	Art History I	
COMM 1375	Film Appreciation	
COSC 1324	The Art of Computer Game Development	
DANC 2304	Dance Appreciation	
MUSI 1306	Music Appreciation	
MUSI 1309	Jazz History and Appreciation	
MUSI 1310	History of Rock and Roll	
PHIL 1330	Arts and Ideas	
THEA 1310	Theatre Appreciation	
<i>American History</i>		
Select six hours from the following:		6
HIST 1301	U S History I 1763-1877	
HIST 1302	U S History II Since 1877	
HIST 2301	Texas History	
<i>Government/Political Science</i>		
POLS 2301	Intro to American Government I	3

POLS 2302	Intro/American Government II	3
<i>Social and Behavioral Sciences</i>		
Select one of the following:		3
ANTH 2346	Introduction to Anthropology	
ANTH 2351	Cultural Anthropology	
BULW 1370	Business Environment and Public Policy	
CRIJ 1301	Intro to Criminal Justice	
ECON 1301	Principles and Policies	
ECON 2301	Principles of Economics I Macro	
ECON 2302	Principles of Economics II Micro	
FINC 2310	Intro to Consumer Finance	
INEN 2373	Engineering Economics	
POLS 1301	Intro to Political Science	
PSYC 2301	General Psychology	
PSYC 2315	Lifespan Development	
SOCI 1301	Introduction to Sociology	
SOWK 2361	Intro Social Work	
<i>Component Area Options</i> ¹		
ENGL 1302	Composition II	3
MATH 2413	Calculus and Analytical Geometry I	4
Required Major Courses		
<i>Major Requirements</i>		
ENGL 3310	Technical Report Writing	3
BIOL 2420	Microbiology	4
BIOL 3470	Genetics	4
CHEM 1111	General Chemistry I Laboratory	1
CHEM 1112	General Chemistry II Laboratory	1
CHEM 1311	General Chemistry I	3
CHEM 1312	General Chemistry II	3
CHEM 3111	Organic Chemistry I Laboratory	1
CHEM 3112	Organic Chemistry II Laboratory	1
CHEM 3311	Organic Chemistry I	3
CHEM 3312	Organic Chemistry II	3
CHEM 3331	Inorganic Chemistry	3
CHEM 3401	Quantitative Analysis	4
CHEM 4315	Biophysical Chemistry	3
CHEM 4381	Chemical Communication	3
CHEM 4411	Biochemistry I	4
CHEM 4412	Biochemistry II	4
PHYS 1401	College Physics I	4
PHYS 1402	College Physics II	4
<i>Elective Courses</i>		
Select four hours from the following:		4
BIOL 3440	Advanced Physiology	
BIOL 4401	Special Topics	
BIOL 4404	Molecular Biology	
BIOL 4405	Immunology	
BIOL 4435	Environmental Toxicology	
BIOL 4470	Cell Biology/Histology	
CHEM 4471	Introduction to Research	
<i>Additional Language, Philosophy and Culture Courses</i>		
Select three hours from the following:		3

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ENGL 2300	Close Reading II	
ENGL 2322	British Literature	
ENGL 2326	American Literature	
ENGL 2331	World Literature	
ENGL 2376	African-American Literature	
PHIL 1370	Philosophy of Knowledge	
PHIL 2306	Ethics	
<i>Modern Language Requirements</i> ³		12
ML 13XX		
ML 13XX		
ML 23XX		
ML 23XX		

Total Hours **120**

- 1 The additional hours here are applied to the degree requirements below to complete 120 hours.
- 2 3 hours from the core math are applied here.
- 3 Must acquire credit for the equivalent course at the level of 2312 in a modern language other than English.

Course	Title	Hours
First Year		
Fall		
MATH 1342	Statistics	3
PHIL 1370	Philosophy of Knowledge	3
ENGL 1301	Composition I	3
COMM 1315	Public Speaking I	3
HIST 1301	U S History I 1763-1877	3
Hours		15
Spring		
MATH 2413	Calculus and Analytical Geometry I	4
ENGL 1302	Composition II	3
HIST 1302	U S History II Since 1877	3
Creative Arts		3
Social & Behavioral Sciences		3
Hours		16
Second Year		
Fall		
CHEM 1311 & CHEM 1111	General Chemistry I and General Chemistry I Laboratory	4
PHYS 1401	College Physics I	4
Modern Language		3
BIOL 1406	General Biology I (Majors)	4
Hours		15
Spring		
CHEM 1312 & CHEM 1112	General Chemistry II and General Chemistry II Laboratory	4
PHYS 1402	College Physics II	4
Modern Language		3
BIOL 1407	General Biology II (Majors)	4
Hours		15
Third Year		
Fall		
CHEM 3311 & CHEM 3111	Organic Chemistry I and Organic Chemistry I Laboratory	4
BIOL 2420	Microbiology	4
POLS 2301	Intro to American Government I	3
Modern Language		3
Hours		14

Spring		
CHEM 3312 & CHEM 3112	Organic Chemistry II and Organic Chemistry II Laboratory	4
CHEM 3401	Quantitative Analysis	4
POLS 2302	Intro/American Government II	3
Modern Language		3
Hours		14

Fourth Year		
Fall		
CHEM 4315	Biophysical Chemistry	3
CHEM 4381	Chemical Communication	3
CHEM 3331	Inorganic Chemistry	3
CHEM 4411	Biochemistry I	4
PHIL 2306	Ethics	3
Hours		16

Spring		
ENGL 3310	Technical Report Writing	3
CHEM/BIOL Elective		4
BIOL 3470	Genetics	4
CHEM 4412	Biochemistry II	4
Hours		15
Total Hours		120