

B.S. in Biochemistry

Click on the course number to view course title and description.

Code	Title	Semester Hours
BS Biochemistry Degree Plan (120 hours)		
Core Requirements (39 hours)		
First Year Seminar		3
FYE 1301	First Year Seminar	
Freshmen Composition I		3
EN 1311	Rhetoric and Composition	
or EN 1313	Rhetoric and Composition for International Students	
Literature		3
Any EN 23XX literature course		
History		3
Any 1000, 2000, or 3000-level HS course		
Social Science		6
Select two from the following: BA 1310, CJ 1301, CPH 1301, EC 2301, EC 2303, ED 2330, HU 3300, HU 3303, PO 1311, PO 1312, PO 1314, PS 1301, PS 2310, PS 2353, PS 2355, PS 2363, PS 2337, SC 1311, SC 2321, SC 2371, 3 hrs. of Communication Studies (CM 1341, CM 2321, CM 2333, CM 2334)		
Mathematics		
Satisfied by MT 2412 in the courses required for this major.		
Natural or Physical Sciences		
Satisfied by CH 1401 in the courses required for this major		
Fine Arts		3
Select any 3 hrs. of the following: Art (AR), Drama (DM), Music (MU) or MU 1300		
Foreign Language and International Engagement		6
This requirement is satisfied through one of four ways: (1) One 3-hour course in any language at the 3000 level or above, with a grade of B or better; (2) Two courses (1311 and 1312) in a language not previously studied; (3) Two courses (2311 and 2312) in a language previously studied at the high school or college level; (4) Qualifying scores on an AP or CLEP exam, or both the ACTFL OPI and WPT exams		
Philosophy - Self		3
PL 1301	Introduction to Philosophy	
Philosophy - Ethics		3
PL 2301	Foundations of Ethics	
Theology - God		3
TH 1301	Introduction to Theology	
Intermediate Theology		3
Any TH 33xx course		
Biochemistry Major Courses (75 hours)		
BL 1401	General Biology for Majors I	4
BL 1402	General Biology for Majors II	4
BL 2233	Cell & Molecular Methods	2
BL 2332	Cell Biology	3
CH 1401	General Chemistry I	4
CH 1402	General Chemistry II	4
CH 2411	Organic Chemistry I	4
CH 2412	Organic Chemistry II	4
CH 3423	Analytical Chemistry	4
CH 3433	Physical Chemistry I	4
CH 4451	Biochemistry I	4
CH 4452	Biochemistry II	4
CH 1100	Chemistry Seminar I	1

CH 3100	Chemistry Seminar II	1
CH 3XXX/4XXX	Advanced Chemistry Elective	6
Advanced Biology/Biochemistry Electives - Select 6 hours from the following:		6
CH 3XXX/4XXX		
BL 3330	Preceptorship in the Health Professions	
BL 3430	General Physiology	
BL 3481	Microbiology	
BL 3484	Immunology & Infection	
BL 3490	Developmental Biology	
BL 4440	Mechanisms of Disease	
BIO 3310	Intro to Bioinformatics	
MT 2412	Calculus I	4
MT 2413	Calculus II	4
PY 1404	University Physics I	4
PY 2404	University Physics II	4
Electives (6 hours)		6
An elective can be any course taken from any discipline. Students can use these hours to pursue certificates, minors, or second majors.		
Total Semester Hours		120

This is a recommended degree plan subject to changes. Please meet with your adviser on a regular basis.

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First Year

Fall	Semester Spring Hours	Semester Hours
CH 1401	4 CH 1402	4
BL 1401	4 BL 1402	4
MT 2412	4 MT 2413	4
FYE 1301	3 CH 1100	1
	EN 1311	3
	15	16

Second Year

Fall	Semester Spring Hours	Semester Hours
CH 2411	4 CH 2412	4
BL 2332	3 BL 2233	2
PY 1404	4 PY 2404	4
TH 1301	3 Social Science	3
	Literature	3
	14	16

Third Year

Fall	Semester Spring Hours	Semester Hours
CH 3423	4 CH 4452	4
CH 4451	4 Advanced Biochemistry Elective	3
PL 1301	3 CH 3100	1
Foreign Language	3 Foreign Language	3
	History	3
	14	14

Fourth Year

Fall	Semester Spring Hours	Semester Hours
CH 3433	4 Advanced Biochemistry	3

Advanced Biology/Biochemistry Electives	3 Advanced Biology/Biochemistry Elective	3
PL 2301	3 Advanced Theology	3
Social Science	3 Elective	3
Fine Arts	3 Elective	3
	16	15

Total Semester Hours 120