

NAME _____ ID Number _____

**THE UNIVERSITY OF AKRON
DEPARTMENT OF CHEMISTRY**

Date Admitted to Arts and Sciences: _____

STUDENT PROGRAM OF STUDY FOR THE B.S. DEGREE IN BIOCHEMISTRY

This program of study is effective for 5 years from the date of signature. If you change your major or transfer to another a college, you will have to agree to a new program of study. A minimum of 120 earned, approved semester credits is needed for graduation; at least 40 semester credits must be at the 300/400 level (certain substitutions may be made with the consent of the advisor, department chair, and dean). This course of study provides the necessary 40 credits at the 300/400 level.

Chemistry: 3150	Credits	C	E	Grade
Core Requirements:				
3150:151 Principles of Chemistry I Lecture	3	___	___	___
3150:152 Principles of Chemistry I Laboratory	1	___	___	___
3150:153 Principles of Chemistry II Lecture	3	___	___	___
3150:154 Qualitative Analysis	2	___	___	___
3150:263 Organic Lecture I	3	___	___	___
3150:264 Organic Lecture II	3	___	___	___
3150:265 Organic Laboratory I	2	___	___	___
3150:266 Organic Laboratory II	2	___	___	___
3150:305 Physical Chemistry for Biochemistry	4	___	___	___
OR				
3150:313 Physical Chemistry I**	3	___	___	___
3150:314 Physical Chemistry II**	3	___	___	___
3150:370 Biochemistry Laboratory	2	___	___	___
3150:401 Biochemistry Lecture I	3	___	___	___
3150:402 Biochemistry Lecture II	3	___	___	___
3150:480 Advanced Chemistry Laboratory III	2	___	___	___

**3150:313/314 Physical Chemistry I/II – both courses would need to be taken to meet the 3150:305 Physical Chemistry for Biosciences requirement.

Biology: 3100

3100:111 Principles of Biology I	4	___	___	___
3100:112 Principles of Biology II	4	___	___	___
3100:211 General Genetics	3	___	___	___
3100:212 General Genetics Laboratory	1	___	___	___
3100:311 Cell and Molecular Biology	4	___	___	___
3100:480 Molecular Biology	3	___	___	___
3100:485 Cell Physiology	3	___	___	___
3100:486 Physiology lab	2	___	___	___

Electives: At least eight (8) credits from the following. Only one of the two statistics courses listed can be considered for credit.

3100:331 Microbiology	4	___	___	___
3100:437 Immunology	4	___	___	___
3100:481 Advanced Genetics	3	___	___	___
3150:199 Introductory Seminars in Chemistry	1	___	___	___
3150:380 Advanced Chemistry Laboratory I	2	___	___	___
3150:381 Advanced Chemistry Laboratory II	2	___	___	___
3150:399 Internship in Chemistry**	1-3	___	___	___
3150:423 Analytical Chemistry I	3	___	___	___

Electives (Continued):		Credits	C	E	Grade
3150:424	Analytical Chemistry II	3	___	___	___
3150:463	Advanced Organic Chemistry	3	___	___	___
3150:472	Advanced Inorganic	3	___	___	___
3150:497	Honors Project	2-8	___	___	___
3150:499	Research Problems	1-8	___	___	___
3470:401	Probability and Statistics for Engineers	2	___	___	___
9871:407	Polymer Science	4	___	___	___
9871:499	Research Problems in Polymer Science	1-3	___	___	___

** Course may be repeated for a total of 6 credits

Physics: 3650

3650:261	Physics for Life Sciences I	4	___	___	___
3650:262	Physics for Life Sciences II	4	___	___	___
	or				
3650:291	Elementary and Classical Physics I	4	___	___	___
3650:292	Elementary and Classical Physics II	4	___	___	___

Mathematics: 3450

3450:149	Pre-Calculus	4	___	___	___
3450:221	Analytical Geometry-Calculus I	4	___	___	___
3450:222	Analytical Geometry-Calculus II	4	___	___	___

Foreign Language: 3500-3580

101&102	Beginning I, Beginning II	8	___	___	___
201& 202	Intermediate I, Intermediate II	6	___	___	___
	or				
7700:101, 102, 201, 202, and 222		14	___	___	___

(Introduction to American Sign Language, American Sign Language I & II, Conversational American Sign Language and Survey of Deaf Culture in America)

General Education Requirements: Please refer to the Undergraduate Bulletin.

2540:265	Professional Commun. & Presentations	3	___	___	___
	or				
7600:105	Introduction to Public Speaking	3	___	___	___
	or				
7600:106	Effective Oral Communication	3	___	___	___
3300:111	English Composition I	3	___	___	___
3300:112	English Composition II	3	___	___	___
_____	Social Science	3	___	___	___
_____	Social Science	3	___	___	___
_____	Physical Education	.5	___	___	___
_____	Physical Education	.5	___	___	___
3400:210	Humanities in the Western Traditions I	4	___	___	___
_____	Humanities (refer General Bulletin)	3	___	___	___
_____	Humanities (refer General Bulletin)	3	___	___	___
_____	Area Studies	2	___	___	___
_____	Area Studies	2	___	___	___

COMMENTS:

Student's Signature

Advisor's Signature

Date

(C – Completed; E – Exempt due to transfer credits, advanced placement, etc.)

10/2017