UNIVERSITY OF SOUTHERN INDIANA
Chemistry and Biochemistry

Biochemistry Major

non-ACS, Math 230 Start

This is a suggested sequence of courses; you will work on an exact plan with your advisor. Courses taken in first year depend on math placement. In order to graduate, you must fulfill 39 credit hours at the 300/400 level. *Research courses may be taken in any semester; two hours are required for the degree.

Fall Year 1	
General Chemistry I (CHEM 261)	4
Principles of Biol (BIOL 141)	4
Calculus I (MATH 230)	3
Rhetoric & Composition I (ENG 101)	3
1st Year Experience (UNIV 101)	1
	15

Spring Year 1	
General Chemistry II (CHEM 262)	4
Botany (BIOL 151) or Zoology (BIOL 152)	3
Intro to Public Speaking (CMST 101/107)	3
Rhetoric & Composition II (ENG 201)	3
Principles of Sociology (SOC 121) (***Core***)	3
	16

Fall Year 2	
Organic Chemistry I (CHEM 353)	4
Botany (BIOL 151) or Zoology (BIOL 152)	3
General Physics I (PHYS 175)	4
Intro to Psychology (PSY 201) (***Core***)	3
Chemistry Seminar (CHEM 218)	1
	15

Spring Year 2	
Organic Chemistry II (CHEM 354)	4
Cell Biology (BIOL 334)	3
General Physics II (PHYS 176)	4
Quantitative Analysis (CHEM 321) (**or Summer)**	4
	15

Fall Year 3	
Biochemistry I (CHEM 431)	4
Chemistry Seminar II (CHEM 318) ***(or** year 4)*	1
Genetics (BIOL 382)	4
Core Elective	3
Concepts in Wellness and Fitness (KIN 192)	1
	13

Spring Year 3	
Biochemistry II (CHEM 432)	4
Chemistry Seminar III (CHEM 418) ***(or** year 4)*	1
Intro to Research (CHEM 499/BIOL 499)*	1
Microbiology (BIOL 375) with Lab (BIOL 376)	4
Core Elective **x 2**	6
	16

Fall Year 4	
Survey of Physical Chemistry (CHEM 361)	4
Instrumental Analysis (CHEM 421)	4
Intro to Research (CHEM 499/BIOL 499)*	1
Core Electives	3
Elective	3
	15

Spring Year 4	
CHEM Elective	4
BIOL Elective	4
Core Elective	3
Elective	3
	14

Contact the Chemistry and Biochemistry Office to be put in touch with a chemistry advisor.

Department of Chemistry & Biochemistry
8600 University Boulevard • Evansville, Indiana 47712 • 812-464-1701 • Fax 812-465-7199 • USI.edu

UNIVERSITY OF SOUTHERN INDIANA
Chemistry and Biochemistry

Biochemistry Major

non-ACS, Math 115/118 Start

This is a suggested sequence of courses; you will work on an exact plan with your advisor. Courses taken the first year depend on math placement. In order to graduate, you must fulfill 39 credit hours at the 300/400 level. *Research courses can be taken in any semester; two hours are required for the degree.

Fall Year 1	
General Chemistry I (CHEM 261)	4
Principles of Biology (BIOL 141)	4
Pre-Calculus (MATH 115) or Comprehensive Pre-Calculus (MATH 118)	4/5
Rhetoric & Composition I (ENG 101)	3
1st Year Experience (UNIV 101)	1
	16/17

Fall Year 2	
Organic Chemistry I (CHEM 353)	4
Chemistry Seminar (CHEM 218)	1
General Physics I (PHYS 175)	4
Botany (BIOL 151) or Zoology (BIOL 152)	3
Core WLS (BS)	3
	15

Fall Year 3	
Biochemistry I (CHEM 431)	4
Chemistry Seminar II (CHEM 318) ***(or** year 4)*	1
Biology Elective	4
Core (WOK)	3
Core (Diversity)	3
Concepts in Wellness and Fitness (KIN 192)	1
	15

Fall Year 4	
Survey of Physical Chemistry (CHEM 361)	4
Instrumental Analysis (CHEM 421)	4
Core WOK	3
*Intro to Research (CHEM 499)	1
Core Writing Embedded	3
	15

Spring Year 1	
General Chemistry II (CHEM 262)	4
Botany (BIOL 151) or Zoology (BIOL 152)	3
Rhetoric & Composition II (ENG 201)	3
Calculus I (MATH 230)	4
Intro to Public Speaking (CMST 101/107)	3
	17

Spring Year 2	
Organic Chemistry II (CHEM 354)	4
Quantitative Analysis (CHEM 321) ***(or Summer)***	4
Cell Biology (BIOL 334)	3
General Physics II (PHYS 176)	4
	15

Spring Year 3	
Biochemistry II (CHEM 432)	4
Core Writing Intensive	3
Intro to Research (CHEM 499)*	1
Genetics (BIOL 382)	4
Chemistry Seminar III (CHEM 418) (***or** Sp. Year 4)*	1
Core (Global)	3
	16

Spring Year 4	
Chemistry Elective	4
Biology Elective	4
Social Science Core (BS)	3
Elective	3
	14

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UNIVERSITY OF SOUTHERN INDIANA
Chemistry and Biochemistry

Biochemistry Major

non-ACS, Math 111 Start

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Fall Year 1	
General Chemistry I (CHEM 261)	4
Principles of Biology (BIOL 141)	4
College Algebra (MATH 111)	4
Rhetoric & Composition I (ENG 101)	3
1st Year Experience (UNIV 101)	1
	16

Spring Year 1	
General Chemistry II (CHEM 262)	4
Botany (BIOL 151) or Zoology (BIOL 152)	3
Rhetoric & Composition II (ENG 201)	3
Pre-Calculus (MATH 115)	4
Intro to Public Speaking (CMST 101/107)	3
	17

Fall Year 2	
Organic Chemistry I (CHEM 353)	4
Chemistry Seminar (CHEM 218)	1
Botany (BIOL 151) or Zoology (BIOL 152)	3
Core WLS (BS)	3
Calculus I (MATH 230)	4
	15

Spring Year 2	
Organic Chemistry II (CHEM 354)	4
Quantitative Analysis (CHEM 321) ***(or Summer)***	4
Cell Biology (BIOL 334)	3
Core Writing Intensive	3
Core (WOK)	
	14

Fall Year 3	
Biochemistry I (CHEM 431)	4
Biology Elective	4
General Physics I (PHYS 175)	4
Core (WOK)	3
Concepts in Wellness and Fitness (KIN 192)	1
Chemistry Seminar II (CHEM 318) ***(or** year 4)*	1
	17

Spring Year 3	
Biochemistry II (CHEM 432)	4
Intro to Research (CHEM 499)	1
Genetics (BIOL 382)	4
Core (Global)	3
General Physics II (PHYS 176)	4
	16

Fall Year 4	
Survey of Physical Chemistry (CHEM 361)	4
Instrumental Analysis (CHEM 421)	3
*Intro to Research (CHEM 499)	1
Core (WOK)	3
Elective	3
	14

Spring Year 4	
Chemistry Elective	4
Biology Elective	4
Core Social Science (BS)	3
Core (DIVERSITY)	3
Chemistry Seminar III (CHEM 418) (***or** Sp. Year 3)*	1
	15

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