SOUTHERN NDIANA

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.

<u>Fall Year 1</u>		Spring Year 1	
General Chemistry I (CHEM 261)	4	General Chemistry II (CHEM 262)	4
Principles of Biology (BIOL 141)	4	Calculus II (MATH 235)	4
Calculus I (MATH 230)	4	Intro to Public Speaking (CMST 101/107)	3
Rhetoric & Composition I (ENG 101)	3	Rhetoric & Composition II (ENG 201)	3
1 st Year Experience (UNIV 101)	1	Social Science Core (BS)	3
	16	· ·	17
Fall Year 2			
Organic Chemistry I (CHEM 353)	4	Spring Year 2	
Chemistry Seminar (CHEM 218)	4 1	Organic Chemistry II (CHEM 354)	4
Intermediate Physics I (PHYS 205)	5	Quantitative Analysis (CHEM 321) (or Summer)	4
Core WOK	3	Cell Biology (BIOL 334)	3
Core WLS (BS)	3	Intermediate Physics II (PHYS 206)	<u>5</u> 16
	<u> </u>		10
	10		
Fall Year 3		<u>Spring Year 3</u>	
Biochemistry I (CHEM 431)	4	Biochemistry II (CHEM 432)	4
Chemistry Seminar II (CHEM 318) (or year 4)	1	Polymer Chemistry (CHEM 451) (or year 4)	4
Genetics (BIOL 382)	4	*Intro to Research (CHEM 499)	1
Core (WOK)	3	Core (Global)	3
Core (Diversity)	3		12
	15		
Fall Year 4		Spring Year 4	
Instrumental Analysis (CHEM 421)	4	Inorganic Chemistry (CHEM 441)	4
Physical Chemistry I (CHEM 461)	4	Chemistry Seminar III (CHEM 418) (or Sp. Year 3	8)1
Core WOK	3	Elective	3
*Intro to Research (CHEM 499)	1	Elective	3
Core Writing Embedded	3	Concepts in Wellness and Fitness (KIN 192)	1
·····	15	, , , , , , , , , , , , , , , , , ,	12

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

SOUTHERN NDIANA

Chemistry and Biochemistry

Biochemistry Major ACS, Math 115 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.

<u>Fall Year 1</u> General Chemistry I (CHEM 261) Principles of Biology (BIOL 141) Pre-Calculus (MATH 115) Rhetoric & Composition I (ENG 101) <u>1st Year Experience (UNIV 101)</u>	4 4 3 <u>1</u> 16	<u>Spring Year 1</u> General Chemistry II (CHEM 262) Calculus I (MATH 230) Intro to Public Speaking (CMST 101/107) Rhetoric & Composition II (ENG 201) <u>Social Science Core (BS)</u>	4 4 3 3 3 17
<u>Fall Year 2</u> Organic Chemistry I (CHEM 353) Chemistry Seminar (CHEM 218) Intermediate Physics I (PHYS 205) Calculus II (MATH 235) <u>Core WLS (BS)</u>	4 1 5 4 <u>3</u> 17	<u>Spring Year 2</u> Organic Chemistry II (CHEM 354) Quantitative Analysis (CHEM 321) (or Summer) Cell Biology (BIOL 334) Intermediate Physics II (PHYS 206)	4 4 3 5 16
<u>Fall Year 3</u> Biochemistry I (CHEM 431) Chemistry Seminar II (CHEM 318) <i>(or year 4)</i> Genetics (BIOL 382) Core (WOK) <u>Core (Diversity)</u>	4 1 4 3 <u>3</u> 15	<u>Spring Year 3</u> Biochemistry II (CHEM 432) Polymer Chemistry (CHEM 451) <i>(or year 4)</i> *Intro to Research (CHEM 499) Core (Global) <u>Core (WOK)</u>	4 4 3 <u>3</u> 15
<u>Fall Year 4</u> Instrumental Analysis (CHEM 421) Physical Chemistry I (CHEM 461) Core WOK *Intro to Research (CHEM 499) <u>Core Writing Embedded</u>	4 4 3 1 <u>3</u> 15	<u>Spring Year 4</u> Inorganic Chemistry (CHEM 441) Chemistry Seminar III (CHEM 418) (<i>or Sp. Year 3</i> Elective Elective <u>Concepts in Wellness and Fitness (KIN 192)</u>	4 3 3 <u>1</u> 12

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

SOUTHERN NDIANA

Chemistry and Biochemistry

Biochemistry Major ACS, Math 111 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		<u>Spring Year 1</u>	
General Chemistry I (CHEM 261)	4	General Chemistry II (CHEM 262)	4
Principles of Biology (BIOL 141)	4	Pre-Calculus (MATH 115)	4
College Algebra (MATH 111)	4	Intro to Public Speaking (CMST 101/107)	3
Rhetoric & Composition I (ENG 101)	3	Rhetoric & Composition II (ENG 201)	3
<u>1st Year Experience (UNIV 101)</u>	<u>1</u>	Social Science Core (BS)	3
	16		17
Fall Year 2			
Organic Chemistry I (CHEM 353)	4	Spring Year 2	4
Chemistry Seminar (CHEM 218)	4	Organic Chemistry II (CHEM 354)	4
Core (WOK)	3	Quantitative Analysis (CHEM 321) (or Summer)	
Cole (WOK) Calculus I (MATH 230)	3 4	Cell Biology (BIOL 334)	3
Core WLS (BS)	4 <u>3</u>	Calculus II (MATH 235)	3
	<u> </u>	Concepts in Wellness and Fitness (KIN 192)	1
	15		16
<u>Fall Year 3</u>		Spring Year 3	
Biochemistry I (CHEM 431)	4	Biochemistry II (CHEM 432)	4
Chemistry Seminar II (CHEM 318) (or year 4)	1	Intermediate Physics II (PHYS 206)	5
Intermediate Physics I (PHYS 205)	5	*Intro to Research (CHEM 499)	1
Core (WOK)	3	Core (Global)	3
Core (Diversity)	3	Chemistry Seminar III (CHEM 418) (or Sp. Year 4	1)
	16		14
Fall Year 4		Spring Year 4	
	4		4
Instrumental Analysis (CHEM 421)	4	Inorganic Chemistry (CHEM 441)	4 3
Physical Chemistry I (CHEM 461) Core WOK	4	Polymer Chemistry (CHEM 451) (or year 3)	3 3
		Core Writing Intensive	
*Intro to Research (CHEM 499)	<u>1</u>	Genetics (BIOL 382)	<u>4</u> 14
	12		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