Biochemistry Major

ACS

Chemistry and Blochemistry

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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) Calculus I (MATH 230) Rhetoric & Composition I (ENG 101) 1 st Year Experience (UNIV 101)	4 4 3 <u>1</u> 16	<u>Spring Year 1</u> General Chemistry II (CHEM 262) Calculus II (MATH 235) Intro to Public Speaking (CMST 101/107) Rhetoric & Composition II (ENG 201) <u>Social Science Core (BS)</u>	4 4 3 3 <u>3</u> 17
<u>Fall Year 2</u> Organic Chemistry I (CHEM 353) Chemistry Seminar (CHEM 218) Intermediate Physics I (PHYS 205) Core WOK <u>Core WLS (BS)</u>	4 1 5 3 <u>3</u> 16	<u>Spring Year 2</u> Organic Chemistry II (CHEM 354) Quantitative Analysis (CHEM 321) <i>(or Summer)</i> Cell Biology (BIOL 334) <u>Intermediate Physics II (PHYS 206)</u>	4 4 3 <u>5</u> 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) <u>Core (Global)</u>	4 4 1 <u>3</u> 12
<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)1 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



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Fall Year 1General Chemistry I (CHEM 261)4Principles of Biology (BIOL 141)4Pre-Calculus (MATH 115) or Comprehensive Pre-
Calculus (MATH 118)4/5Rhetoric & Composition I (ENG 101)31



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</u> 1 General Chemistry(CHEM 261) Principles of Biolog(BIOL 141) College Algebr(MATH 111) Rhetoric & Composition(ENG 101) <u>1st Year Experienc</u> (UNIV 101)	4 4 3 <u>1</u> 16	<u>Spring Year</u> 1 General Chemistry (CHEM 262) Pre-Calculus(MATH115) Intro to Public Speakin(CMST101/107) Rhetoric & Composition (ENG201) <u>Social Science Co</u> (RES)	4 4 3 3 3 17
<u>Fall Year</u> 2 Organic Chemistry(CHEM 353) Chemistry Semina(CHEM 218) Core(WOK) Calculus IN(ATH 230) Core WLSBS)	4 1 3 4 <u>3</u>	<u>Spring Year</u> 2 Organic Chemistry (ICHEM 354) Quantitative AnalysicCHEM 321) (Set) Cell Biology(BIOL 334) Calculus I(IMATH 235) <u>Concepts in Wellness and Fitneksiski(192)</u>	4 4 3 3 1 16
	<u>3</u> 16	<u>SpringYear 3</u> Biochemistryll (CHEM 42) Intermediate Physics (IPHYS 206 * Intro to Researcl(CHEM 499) Core (Global) <u>Chemistry Seminar (ICHEM 418)c(Sp. Year 4</u>	4 5 1 3 <u>+)1</u> 14
Fall Year 4 Instrumental AnalysicCHEM 421) Physical Chemistry(CHEM 461) Core WOK * Intro to ResearchCHEM 499)	4 4 3 <u>1</u> 12	SpringYear4 Inorganic Chemistr(CHEM441) Polymer Chemistr(CHEM 451)c(year 3) Core Writing Intensive Geneticg(BIOL382)	4 3 3 <u>4</u> 14

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