<u>n Indiana</u>°

Chemistry and Biochemistry

UNIVERSITY OF

SOUTH

Chemistry 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. If CHEM 431 is a chemistry elective choice, BIOL 141 and BIOL 334 are required.

| <u>Fall Year 1</u> | | Spring Year 1 | |
|--|----|---|----|
| General Chemistry I (CHEM 261) | 4 | General Chemistry II (CHEM 262) | 4 |
| Intro to Public Speaking (CMST 101/107) | 3 | Calculus II (MATH 235) | 4 |
| Calculus I (MATH 230) | 4 | Rhetoric & Composition II (ENG 201) | 3 |
| Rhetoric & Composition I (ENG 101) | 3 | Social Science Core (BS) | 3 |
| 1 st Year Experience (UNIV 101) | 1 | | 14 |
| | 15 | | |
| Fall Year 2 | | Spring Year 2 | |
| Organic Chemistry I (CHEM 353) | 4 | Organic Chemistry II (CHEM 354) | 4 |
| Chemistry Seminar (CHEM 218) | 1 | Quantitative Analysis (CHEM 321) (or Summer) | 4 |
| Intermediate Physics I (PHYS 205) | 5 | Core (WOK) | 3 |
| Concepts in Wellness and Fitness (KIN 192) | 1 | Intermediate Physics II (PHYS 206) | 5 |
| Core WLS (BS) | 3 | <u></u> | 16 |
| | 14 | | |
| <u>Fall Year 3</u> | | Spring Year 3 | |
| Instrumental Analysis (CHEM 421) | 4 | Chemistry Elective | 4 |
| Chemistry Seminar II (CHEM 318) (<i>or year 4</i>) | 1 | Core Writing Intensive | 3 |
| Physical Chemistry I (CHEM 461) | 4 | *Intro to Research (CHEM 499) | 1 |
| Core (Diversity) | 3 | Elective | 3 |
| Core (WOK) | 3 | Chemistry Seminar III (CHEM 418) (<i>or year 4</i>) | 1 |
| | 15 | Core (Global) | 3 |
| | | | 15 |
| Fall Year 4 | | Spring Year 4 | |
| Elective | 4 | Inorganic Chemistry (CHEM 441) | 4 |
| Core WOK | 3 | Elective (300 Level) | 3 |
| *Intro to Research (CHEM 499) | 1 | Elective | 3 |
| Core Elective | 3 | Elective | 3 |
| Elective (300 Level) | 3 | Elective | 3 |
| | 14 | | 16 |
| | | | |

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[®]

UNIVERSITY OF

Chemistry Major non-ACS, Math 115 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. If CHEM 431 is a chemistry elective choice, BIOL 141 and BIOL 334 are required.

| <u>Fall Year 1</u> General Chemistry I (CHEM 261) | 4 | Spring Year 1 | 4 |
|--|--------|--|--------|
| Intro to Public Speaking (CMST 101/107) | 4 | General Chemistry II (CHEM 262) | • |
| Pre-Calculus (MATH 115) | 4 | Calculus I (MATH 230) | 4 |
| Rhetoric & Composition I (ENG 101) | 4 | Rhetoric & Composition II (ENG 201) | 3 3 |
| 1 st Year Experience (UNIV 101) | 5 1 | Social Science Core (BS) | 3 |
| | T | | |
| | 15 | | 14 |
| Fall Year 2 | | Spring Year 2 | |
| Organic Chemistry I (CHEM 353) | 4 | Organic Chemistry II (CHEM 354) | 4 |
| Chemistry Seminar (CHEM 218) | 1 | Quantitative Analysis (CHEM 321) (or Summer) | 4 |
| Calculus II (MATH 235) | 4 | Core (WOK) | 3 |
| Concepts in Wellness and Fitness (KIN 192) | 1 | Intermediate Physics I (PHYS 205) | 5 |
| Core WLS (BS) | 3 | | |
| | 13 | | 16 |
| Fall Year 3 | | Spring Year 3 | |
| Core WOK | 3 | Chemistry Elective | 4 |
| Chemistry Seminar II (CHEM 318) (or year 4) | 1 | Core Writing Intensive | 3 |
| Intermediate Physics II (PHYS 206) | 5 | *Intro to Research (CHEM 499) | 1 |
| Core (Diversity) | 3 | Chemistry Seminar III (CHEM 418) (or year 4) | 1 |
| Core (WOK) | 3 | Elective | 3 |
| | 15 | <u>Core (Global)</u> | 3 |
| | | | 15 |
| Fall Year 4 | | Spring Year 4 | |
| Physical Chemistry I (CHEM 461) | 4 | Inorganic Chemistry (CHEM 441) | 4 |
| Instrumental Analysis (CHEM 421) | 4 | Elective (300 Level) | 3 |
| *Intro to Research (CHEM 499) | 1 | Elective | 3 |
| 300 Level Elective | 3 | Elective | 3 |
| Elective | 3 | Elective | 3 |
| | 15 | | 16 |

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Chemistry and Biochemistry

UNIVERSITY OF

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SOUTH

Chemistry Major non-ACS, Math 111 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. If CHEM 431 is a chemistry elective choice, BIOL 141 and BIOL 334 are required.

| <u>Fall Year 1</u> General Chemistry I (CHEM 261) Principles of Biology (BIOL 141) College Algebra (MATH 111) 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) Pre-Calculus I (MATH 115) Rhetoric & Composition II (ENG 201) Social Science Core (BS) | 4 3 3 |
|---|------------------------------------|---|------------------------------------|
| <u>Fall Year 2</u> Organic Chemistry I (CHEM 353) Chemistry Seminar (CHEM 218) Calculus I (MATH 230) Concepts in Wellness and Fitness (KIN 192) <u>Core WLS (BS)</u> | 4 1 4 1 <u>3</u> 13 | <u>Spring Year 2</u> Organic Chemistry II (CHEM 354) Quantitative Analysis (CHEM 321) (or Summer) Core (WOK) Calculus II (MATH 235) | 4 |
| <u>Fall Year 3</u> Core WOK Chemistry Seminar II (CHEM 318) (<i>or year 4</i>) Intermediate Physics I (PHYS 205) Core (Diversity) <u>Core (WOK)</u> | 3 1 5 3 <u>3</u> 15 | <u>Spring Year 3</u> Chemistry Elective Core Writing Intensive *Intro to Research (CHEM 499) Chemistry Seminar III (CHEM 418) (<i>or year 4</i>) Intermediate Physics I (PHYS 205) <u>Core (Global)</u> | 4 3 1 5 <u>3</u> 17 |
| Fall Year 4 Physical Chemistry I (CHEM 461) Instrumental Analysis (CHEM 421) *Intro to Research (CHEM 499) 300 Level Elective Elective | 4 4 1 3 <u>3</u> 15 | <u>Spring Year 4</u> Inorganic Chemistry (CHEM 441) Elective (300 Level) Elective Elective Elective | 4 3 3 3 3 16 |

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