

ACADEMIC MAP

2016-17 BS IN CHEMISTRY OPTION E: BIOCHEMISTRY

TOTAL 124-128 HRS

*minimum grade required †offered every other year

Freshman (Fall Semester) 17 hrs total

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|---------|-------------------------|--------------|--------------|
| CHE 101 | General Chemistry I | 3 credit hrs | Chem Core C* |
| CHE 103 | Gen. Chem. Lab I | 2 credit hrs | Chem Core C* |
| BIO 100 | General Biology I | 4 credit hrs | Major C* |
| ENG 101 | English Composition | 3 credit hrs | Gen. Ed. |
| MAT 251 | Calculus I | 3 credit hrs | Spec. Dgr C* |
| FYS 100 | First Year Seminar | 1 credit hrs | Gen Ed |
| CHE 108 | Intro Chemistry Seminar | 1 credit hrs | Major C* |

Freshman (Spring Semester) 16 hrs total

| | | | |
|---------|-------------------------|--------------|--------------|
| CHE 102 | General Chemistry II | 3 credit hrs | Chem Core C* |
| CHE 104 | General Chemistry II | 2 credit hrs | Chem Core C* |
| BIO 101 | General Biology II | 4 credit hrs | Major C* |
| ENG 102 | English Composition II | 3 credit hrs | Gen. Ed. |
| MAT 252 | Calculus II | 3 credit hrs | Spec. Dgr C* |
| | Communications Elective | 2 credit hrs | Gen. Ed. |

Sophomore (Fall Semester) 16 hrs total

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|---------|-------------------------|--------------|--------------|
| CHE 321 | Organic Chemistry I | 3 credit hrs | Chem Core C* |
| CHE 319 | Organic Chemistry I Lab | 2 credit hrs | Chem Core C* |
| PHY 231 | General Physics I | 3 credit hrs | Spec. Dgr C* |
| PHY 235 | General Physics Lab I | 1 credit hrs | Spec. Dgr C* |
| MAT 253 | Calculus III | 3 credit hrs | Spec. Dgr C* |
| BIO 300 | Cell Biology | 4 credit hrs | Major C* |

Sophomore (Spring Semester) 16 hrs total

| | | | |
|---------|--------------------------|--------------|--------------|
| CHE 322 | Organic Chemistry II | 3 credit hrs | Chem Core C* |
| CHE 220 | Organic Chemistry Lab II | 2 credit hrs | Chem Core C* |
| BIO 328 | Genetics | 4 credit hrs | Major C* |
| PHY 232 | General Physics II | 3 credit hrs | Spec. Dgr C* |
| PHY 236 | General Physics Lab II | 1 credit hrs | Spec. Dgr C* |
| | Literature Elective | 3 credit hrs | Gen. Ed. |

Junior (Fall Semester) 16 hrs total

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|---------|--------------------------|--------------|--------------|
| CHE 440 | Biochemistry | 4 credit hrs | Major C* |
| CHE 311 | Quantitative Analysis | 5 credit hrs | Chem Core C* |
| | General Elective | 3 credit hrs | Elective |
| | Persp. on Society Elect. | 3 credit hrs | Gen Ed |
| ENG 300 | Exposition | 1 credit hrs | Gen Ed |

Junior (Spring Semester) 14-16 hrs total

| | | | |
|---------|--------------------------|--------------|----------|
| CHE 351 | Phy. Chem. for Life Sci. | 4 credit hrs | Major C* |
| CHE 441 | Biochemistry II | 3 credit hrs | Major C* |
| | Persp. on Society Elect. | 3 credit hrs | Gen Ed |
| | Humanities/FA Elective | 3 credit hrs | Gen Ed |

Senior (Fall Semester) 15-16 hrs total

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|---------|--------------------|----------------|----------|
| CHE 443 | Biochemistry III | 3 credit hrs | Major C* |
| | Chemistry Elective | 3-4 credit hrs | Major C* |
| | General Elective | 3 credit hrs | Elective |
| | History Elective | 3 credit hrs | Gen Ed |
| | Fine Arts Elective | 3 credit hrs | Gen Ed |

Senior (Spring Semester) 14-15 hrs total

| | | | |
|--|----------------------|----------------|----------|
| | Chemistry Elective | 4 credit hrs | Major C* |
| | General Elective | 3-4 credit hrs | Major C* |
| | General Elective | 3 credit hrs | Elective |
| | Personal Development | 3 credit hrs | Gen. Ed. |
| | Science Seminar | 1 credit hrs | Major |