

SUGGESTED FOUR-AND-A-HALF-YEAR PLAN OF STUDY
B.S. in Science with Teacher Certification (Chemistry Specialization)¹**FIRST YEAR**

| <i>Fall Semester (16 SH)</i> | | | SH | <i>Spring Semester (16 SH)</i> | | | SH |
|------------------------------|-------|----------------------------------|----|--------------------------------|-------|-----------------------------------|----|
| CHM | 1310G | General Chemistry I | 3 | CHM | 1410 | General Chemistry II | 3 |
| CHM | 1315G | General Chemistry Laboratory I | 1 | CHM | 1415 | General Chemistry Laboratory II | 1 |
| # ENG | 1001G | Composition and Language | 3 | # ENG | 1002G | Composition and Literature | 3 |
| PHY | 1351G | General Physics I | 3 | PHY | 1361 | General Physics II | 3 |
| PHY | 1352G | General Physics I Laboratory | 1 | PHY | 1362 | General Physics II Laboratory | 1 |
| # MAT | 1441G | Calculus and Analytic Geometry I | 5 | MAT | 2442 | Calculus and Analytic Geometry II | 5 |

SECOND YEAR

| <i>Fall Semester (14 - 18 SH)</i> | | | SH | <i>Spring Semester (14 - 18 SH)</i> | | | SH |
|-----------------------------------|----------------------|------------------------------------|-----|-------------------------------------|----------------------|----------------------------------|-----|
| BIO | 1100 | General Biology | 4 | BIO | 1200G | General Botany | 4 |
| CHM | 2730 | Quantitative Analysis | 3 | * CHM | 2310 | Inorganic Chemistry I | 3 |
| PLS | 1153G | American Government & Constitution | 3 | CHM | 2430 | Survey of Organic Chemistry | 3 |
| #, @ SED | 2000 | Inquiry Into Teaching | 1 | CHM | 2435 | Survey of Organic Chemistry Lab | 1 |
| # CMN | 1310G | Intro to Speech Communication | 3 | #, @ EDF | 2555 | Diversity of Schools & Societies | 3 |
| | For Lang (if needed) | | 0-4 | | For Lang (if needed) | | 0-4 |

THIRD YEAR

| <i>Fall Semester (19 SH)</i> | | | SH | <i>Spring Semester (12 SH)</i> | | | SH |
|------------------------------|--------|-----------------------------------|----|--------------------------------|---------------------|------------------------------------|-----|
| BIO | 1300G | Animal Diversity | 4 | ESC | 1400G | Weather and Climate | 4 |
| CHM | 3100 | Practicum in Chemistry | 1 | #, @ SED | 3100 ² | Secondary Education: ASEP Level II | 3 |
| CHM | 3300 | Survey of Biochemistry | 3 | | Gen Ed Fine Arts or | | 3 |
| ESC | 1300G | Introduction to Earth Sciences | 4 | | Humanities-Cult Div | | |
| PHY | 1055 G | Principles of Astronomy | 3 | | Elective | | 0-2 |
| PHY | 1056G | Principles of Astronomy Lab | 1 | | | | |
| #, @ SED | 3000 | Secondary Education: ASEP Level I | 3 | | | | |

FOURTH YEAR

| <i>Fall Semester (12 - 15 SH)</i> | | | SH | <i>Spring Semester (15 - 16 SH)</i> | | | SH |
|-----------------------------------|----------------------|------------------------------------|----|-------------------------------------|----------------------|-------------------------------|-----|
| CHM | 3000 | Chemistry Seminar I | 0 | CHM | 3001 | Chemistry Seminar II | 1 |
| * CHM | 3780 ³ | Instrumental Analysis | 3 | * CHM | 3915 ³ | Physical Chemistry Laboratory | 2-3 |
| | or Gen Ed Humanities | | | | or Gen Ed Humanities | | |
| * CHM | 3910 | Chemical Thermodynamics & Kinetics | 3 | ESC | 2450G | Oceanography | 3 |
| #, * PHS | 3400 ² | Teaching Methods | 3 | EIU | 40xxG | Senior Seminar | 3 |
| | Gen Ed Soc/Beh Sci | | 3 | | Gen Ed Fine Arts | | 3 |
| | | | | | Gen Ed Soc/Beh Sci | | 3 |

FIFTH YEAR

| <i>Fall Semester (15 SH)</i> | | | SH |
|------------------------------|------|-------------------------------------|-------|
| @ STG | 4001 | Student Teaching | 12-14 |
| @ SED | 4000 | Secondary Education: ASEP Level III | 3 |

Minimum Hours Required for Graduation: 130¹ Professional education requirements are satisfied via the Alternate Secondary Education Program (ASEP). See Undergraduate Catalog for alternate sequence.² Requires University Approval to take Teacher Ed Courses³ CHM 3780 OR CHM 3915.

* Offered only during the term listed

Requires a "C" or better.

@ Required for ASEP Program.

The State of Illinois requires the student to have at least one other teaching area in addition to chemistry such as physics (10hrs), general science (8 hrs/physical, 8 hrs/biological sciences), etc.