

**SUGGESTED FOUR-AND-A-HALF-YEAR PLAN OF STUDY<sup>1,2</sup>**  
**B.S. in Science with Teacher Certification (Chemistry Specialization)**

**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  |
| MAT                          | 1441G | Calculus and Analytic Geometry I |  | 5  | MAT                            | 2442  | Calculus and Analytic Geometry II |  | 5  |
| * 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  |

**SECOND YEAR**

| <i>Fall Semester (12- 16 SH)</i> |       |                                 |  | SH  | <i>Spring Semester (13 - 17 SH)</i> |       |                                  |  | SH  |
|----------------------------------|-------|---------------------------------|--|-----|-------------------------------------|-------|----------------------------------|--|-----|
| * CHM                            | 2430  | Survey of Organic Chemistry     |  | 3   | * CHM                               | 3300  | Survey of Biochemistry           |  | 3   |
| * CHM                            | 2435  | Survey of Organic Chemistry Lab |  | 1   | BIO                                 | 1500  | General Biology                  |  | 4   |
| CHM                              | 2730  | Quantitative Analysis           |  | 3   | EDF                                 | 2555G | Diversity of Schools & Societies |  | 3   |
| SED                              | 2000  | Inquiry Into Teaching           |  | 2   | Gen Ed FA/H or Cult Div             |       |                                  |  | 3   |
| CMN                              | 1310G | Intro to Speech Communication   |  | 3   | Foreign Lang (if needed)            |       |                                  |  | 0-4 |
| Foreign Lang (if needed)         |       |                                 |  | 0-4 |                                     |       |                                  |  |     |

**THIRD YEAR**

| <i>Fall Semester (17 SH)</i> |                          |                                    |  | SH | <i>Spring Semester (15-16 SH)</i> |                          |   |  | SH  |
|------------------------------|--------------------------|------------------------------------|--|----|-----------------------------------|--------------------------|---|--|-----|
| * CHM                        | 3780 <sup>3</sup>        | Instrumental Analysis              |  | 3  | * CHM                             | 3915 <sup>3</sup>        | Physical Chemistry Laboratory           |  | 2-3 |
|                              | or SPE 4500 <sup>4</sup> | Exceptional Learning Needs         |  |    |                                   | or SPE 4500 <sup>4</sup> | Exceptional Learning Needs              |  |     |
| * CHM                        | 3910                     | Chemical Thermodynamics & Kinetics |  | 3  | * CHM                             | 2310                     | Inorganic Chemistry I                   |  | 3   |
| BIO                          | 1550G                    | General Biology II                 |  | 4  | EDF                               | 4550 <sup>3</sup>        | Critical Focus on Education             |  | 3   |
| GEO                          | 1300G                    | Introduction to Earth Sciences     |  | 4  | EDP                               | 2330 <sup>5</sup>        | Educ. Psych. - Foundations for Teachers |  | 3   |
| PLS                          | 1153G                    | Am. Govt & Constitution            |  | 3  | GEO                               | 1400G                    | Weather and Climate                     |  | 4   |
| or HIS 3600G                 |                          | U.S. Constitution and Nation       |  |    |                                   |                          |   |  |     |

**FOURTH YEAR**

| <i>Fall Semester (15 SH)</i> |       |                             |  | SH | <i>Spring Semester (16 SH)</i> |                   |                                  |  | SH |
|------------------------------|-------|-----------------------------|--|----|--------------------------------|-------------------|----------------------------------|--|----|
| CHM                          | 3000  | Chemistry Seminar I         |  | 0  | CHM                            | 3001              | Chemistry Seminar II             |  | 1  |
| CHM                          | 3100  | Practicum in Chemistry      |  | 1  | EIU                            | 40xxG             | Senior Seminar                   |  | 3  |
| PHY                          | 1055G | Principles of Astronomy     |  | 3  | GEO                            | 2450G             | Oceanography                     |  | 3  |
| PHY                          | 1056G | Principles of Astronomy Lab |  | 1  | SED                            | 3330 <sup>4</sup> | Instructional Tasks Sec School   |  | 4  |
| PHS                          | 3400  | Teaching Methods            |  | 3  | SED                            | 4330              | Lit. Assessment.... Sec. Schools |  | 3  |
| Gen Ed FA/H or S/BS          |       |                             |  | 3  | Gen Ed FA/H or S/BS            |                   |                                  |  | 3  |
| Gen Ed FA/H or S/BS          |       |                             |  | 3  |                                |                   |                                  |  |    |

**FIFTH YEAR**

| <i>Fall Semester (13 SH)</i> |      |                  |  | SH |
|------------------------------|------|------------------|--|----|
| STG                          | 4001 | Student Teaching |  | 12 |
| STG                          | 4000 | Student Teaching |  | 1  |

**Minimum Hours Required for Graduation: 137**

\* Offered only during the term listed

<sup>1</sup> A grade of C or better is required in all courses used towards graduation regardless of where they are taken.<sup>2</sup> Must maintain a cumulative and major GPA of 2.65<sup>3</sup> CHM 3780 **OR** CHM 3915.<sup>4</sup> Requires Jr. Standing and University Approval to take Teacher Ed Courses