**Science Education, Chemistry (9-12) Concentration 2022-2023**

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| **Freshman Year** |
| **Fall** | **Spring** |
|  | Course Number | Course Title | Credits |  | Course Number | Course Title | Credits |
|  | UNV 1000 | Freshman Seminar  | 1 |  | ENG 1060 | Composition II | 3 |
|  | ENG 1050 | Composition 1  | 3 |  | General Education | History | 3 |
|  | MAT 2210 | Calculus I | 4 |  | CHM 1300 | General Chemistry I | 3 |
|  | BIO 1000 | Principles of Biology  | 3 |  | CHM 1100 | General Chemistry Laboratory I | 1 |
|  | BIOL 1000 | Laboratory Investigation and Experiences in General Biology  | 1 |  | General Education | Fine Art | 3 |
|  | General Education  | Social Science | 3 |  | General Education | Physical Education | 1 |
|  | General Education  | Physical Education | 1 |  |  |  |  |
| **Total Credits**  | 16 |  | **Total Credits**  | 14 |

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| **Sophomore Year** * Keep your grades high. You need a 2.7 GPA for admission to the Teacher Education Program
* Study for the Praxis CORE if you do not have the SAT or ACT scores for exemption from taking the Praxis Core.
* Plan to take Praxis CORE during the Fall of your Sophomore year
* Plan to apply to Admission to Teacher Education Program Spring of Sophomore year
* You must have a 2.7 GPA or higher
* You must have successful completion of EDN 2100
* You must have less than 9 hours of General Education courses remaining
* You must have passing Praxis Core, SAT or ACT scores
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| **Fall** | **Spring** |
|  | Course Number | Course Title | Credits |  | Course Number | Course Title | Credits |
|  | EDN 2100 | Introduction to Education | 3 |  | EDN 3140 | Aspects of Human Development and Educational Psy (6-12) | 3 |
|  | General Education  | Literature  | 3 |  | General Education | Social Science | 3 |
|  | CHM 1310 | General Chemistry II | 3 |  | GLY 1250*Spring only* | Earth History | 3 |
|  | CHM 1110 | General Chemistry Laboratory II | 1 |  | GLYL 1250*Spring only* | Earth Science Lab | 1 |
|  | GLY 1150 | Earth Science | 3 |  | General Education  | Philosophy and Religion  | 3 |
|  | GLYL 1150 | Earth Science Lab | 1 |  | SED 3310 | Intro to Exceptional Children | 3 |
| **Total Credits** | 14 |  | **Total Credits** | 16 |

**\*\*\*ALL GENERAL EDUCATION COURSES CAN BE INTERCHANGED\*\*\***

**Science Education, Chemistry (9-12) Concentration 2021-2022**

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| **Junior Year** **• Apply for the Professional Semester and Graduation during the Spring of Junior Year** |
| Fall | Spring |
|  | Course Number | Course Title | Credits |  | Course Number | Course Title | Credits |
|  | BIO 1010 or BIO 1020 | General Botany or General Zoology  | 4 |  | PHY 1510 | College Physics II | 3 |
|  | General Education  | Elective-Arts and Humanities or Social Sciences | 3 |  | PHY 1570 | College Physics II Lab | 1 |
|  | PHY 1500 | College Physics I | 3 |  | SCE 3010 | Early Laboratory Experiences for Prospective Science Teachers  | 2 |
|  | PHY 1560 | College Physics I Lab | 1 |  | CHM 2500 | Organic Chemistry I | 3 |
|  | CHM 2260 | Elementary Inorganic Chemistry  | 4 |  | CHM 2520 | Organic Chemistry I Lab | 1 |
|  | SCE 3000 | Early Experiences for Prospective Science Teachers | 1 |  | CHM 2270 | Analytical Chemistry  | 4 |
|  |  |  |  |  | \*EDN 3130 | Content Area Literacy | 3 |
| **Total Credits** | 16 | **Total Credits** | 17 |

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| **Senior Year** |
| **Fall** | **Spring** |
|  | Course Number | Course Title | Credits |  | Course Number | Course Title | Credits |
|  | CHM 3980 | Scientific Literature | 2 |  | SCE 4490 | Internship in Science in Middle/ Secondary Schools  | 9 |
|  | SCE 4000 | Teaching Science in the Secondary School | 3 |  | SCE 4750 | Professional Seminar in Science in Middle/ Secondary Science  | 3 |
|  | CHM 2510 | Organic Chemistry II | 3 |  |  |  |  |
|  | CHM 2540 | Organic Chemistry II Lab | 1 |  |  |  |  |
|  | CHM 3110 | Biochemistry | 3 |  |  |  |  |
|  | General Education  | Social Science  | 3 |  |  |  |  |
| **Total Credits** | 15 | **Total Credits** | 12 |

 **\*\*\*ALL GENERAL EDUCATION COURSES CAN BE INTERCHANGED\*\*\***