**Science Education, Physics (9-12) Concentration 2018-2019**

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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 |  | ENG 2XXX | General Education Literature  | 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 |  | MAT 2220 | Calculus II  | 4 |
|  | General Education  | Physical Education  | 1 |  |  |  |  |
| **Total Credits**  | 16 |  | **Total Credits**  | 17 |

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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 ORE 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 complete TaskStream Checkpoint #1
* 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  | History | 3 |  | PHY 2000 | University Physics I | 3 |
|  | General Education  | Social Science  | 3 |  | PHY 2060 | University Physics I Lab | 1 |
|  | CHM 1310 | General Chemistry II | 3 |  | General Education  | Philosophy and Religion  | 3 |
|  | CHM 1110 | General Chemistry Laboratory II | 1 |  | SED 3310 | Introduction to Exceptional Children | 3 |
|  | General Education  | Social Science | 3 |  | PHS 1560 | Astronomy | 3 |
|  | General Education  | Physical Education  | 1 |  | PHS 1570 | Astronomy Lab | 1 |
| **Total Credits** | 17 |  | **Total Credits** | 17 |

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| **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 |  | GLY 1150  | Earth Science  | 3 |
|  | General Education  | Elective- Arts and Humanities or Social Sciences | 3 |  | GLYL 1150 | Earth Science Lab | 1 |
|  | PHY 2010 | University Physics II | 3 |  | SCE 3010 | Early Laboratory Experiences for Prospective Science Teachers  | 2 |
|  | PHY 2070 | University Physics II Lab | 1 |  | PHY 2560 | Modern Physics  | 4 |
|  | PHY 3000 | Classical Mechanics  | 3 |  | \*EDN 3130 | Content Area Literacy | 3 |
|  | SCE 3000 | Early Experiences for Prospective Science Teachers | 1 |  | PHY 2180 | Optics  | 3 |
| **Total Credits** | 15 | **Total Credits** | 16 |

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| **Senior Year** |
| **Fall** | **Spring** |
|  | Course Number | Course Title | Credits |  | Course Number | Course Title | Credits |
|  | CSC 4050 | Current Topics in Computers in Education  | 3 |  | 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 |
|  | PHY 4200 | Advanced Laboratory | 3 |  |  |  |  |
|  | MAT 3320 | Differential Equations | 3 |  |  |  |  |
|  | PHY 3200 | Electricity and Magnetism | 3 |  |  |  |  |
|  | PHY 3260 | Heat and Temperature | 3 |  |  |  |  |
| **Total Credits** | 18 | **Total Credits** | 12 |