**Chemistry Pre-Pharmacy 2018-2019 Degree Pathway**

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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 |  | MAT 1080  | Plane Trig | 3 |
|  | MAT 1070  | College Algebra or Pre-calculus  | 3 |  | General Education  | Social Science  | 3 |
|  | CHEM 1300 | General Chemistry I | 3 |  | BIO 1000 | Principles of Biology  | 3 |
|  | CHEM 1100 | General Chemistry Laboratory I | 1 |  | BIOL 1000 | Laboratory Investigation and Experiences in General Biology  | 1 |
|  | PSY 1010  | Introduction to Psychology  | 3 |  | General Education  | Philosophy or Religion  | 3 |
| **Total Credits**  | 14 |  | **Total Credits**  | 16 |

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| **Sophomore Year** |
| **Fall** | **Spring** |
|  | Course Number | Course Title | Credits |  | Course Number | Course Title | Credits |
|  | BIO 2110 or BIO 2120  | Human Anatomy and Physiology I or Human Anatomy and Physiology II | 4 |  | General Education  | Social Science  | 3 |
|  | CHEM 1310 | General Chemistry II | 3 |  | General Education  | Fine Art | 3 |
|  | CHEM 1110 | General Chemistry Laboratory II  | 1 |  | MAT 2210 | Calculus I | 4 |
|  | ENG 2XXX | General Education Literature  | 3 |  | CHM 2260 | Inorganic Chemistry | 4 |
|  | PHY 1500 or PHY 2000 | College Physics I or University Physics I | 3 |  | PHY 1510 or PHY 2010 | College Physics II or University Physics II | 3 |
|  | PHY 1560 or PHY 2060 | College Physics I Lab or University Physics I Lab  | 1 |  | PHY 1570 OR PHY 2070 | College Physics Lab II or University Physics II lab  | 1 |
|  | General Education | Physical Education  | 1 |  |  |  |  |
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| **Total Credits** | 16 |  | **Total Credits** | 18 |

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| **Junior Year** |
| Fall | Spring |
|  | Course Number | Course Title | Credits |  | Course Number | Course Title | Credits |
|  | General Education  | Elective  | 3 |  | CHM 2510 | Organic Chemistry II | 3 |
|  | MAT 2210 | Calculus II | 4 |  | CHM 2530 | Organic Chemistry II Lab | 1 |
|  | CHM 2270 | Analytical Chemistry | 4 |  | CHM 4100 | Physical Chemistry | 4 |
|  | CHM 2500 | Organic Chemistry I | 3 |  | CHM 3110 | Biochemistry I | 3 |
|  | CHM 2520 | Organic Chemistry I Lab | 1 |  | CHM 3120 | Biochemistry I Lab | 1 |
|  | General Education | Physical Education  | 1 |  | CHM 3980 | Scientific Literature  | 2 |
|  |  |  |  |  | General Education  | History  | 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 |
|  | First Year Curriculum in approved Pharm D program  |  | 13 |  | First Year Curriculum in approved Pharm D program |  | 13 |
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| **Total Credits** | 13 | **Total Credits** | 13 |