**B.S. in Biology: Biomedical Emphasis 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 |  | BIO 1020 | General Zoology  | 4 |
|  | MAT 1070 orMAT 1090 | College Algebra or Precalculus | 3-4 |  | MAT 2100 | Introduction to Statistics | 3 |
|  | BIO 1000 | Principles of Biology  | 3 |  | CHEM 1300 | General Chemistry I | 3 |
|  | BIOL 1000 | Laboratory Investigation and Experiences in General Biology  | 1 |  | CHEM 1100 | General Chemistry Laboratory I | 1 |
|  | PSY 1010  | Introduction to Psychology  | 3 |  | General Education | Physical Education  | 1 |
| **Total Credits**  | 14-15 |  | **Total Credits**  | 15 |

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| **Sophomore Year** |
| **Fall** | **Spring** |
|  | Course Number | Course Title | Credits |  | Course Number | Course Title | Credits |
|  | BIO 2110 or BIO 2120 | Anatomy & Physiology I or II | 4 |  | BIO 2110 orBIO 2120 | Anatomy & Physiology I or II | 4 |
|  | CHEM 1310 | General Chemistry II | 3 |  | CHM 2500 | Organic Chemistry I  | 3 |
|  | CHEM 1110 | General Chemistry Laboratory II  | 1 |  | CHM 2520 | Organic Chemistry I Lab | 1 |
|  | MAT 2150 orMAT 2210 |  Calculus with Applications orCalculus I | 4 |  | General Education  | Fine Art  | 3 |
|  | ENG 2XXX | General Education Literature  | 3 |  | General Education  | Elective | 3 |
|  |  |  |  |  | General Education  | History | 3 |
| **Total Credits** | 15 |  | **Total Credits** | 17 |

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| **Junior Year** |
| **Fall** | **Spring** |
|  | Course Number | Course Title | Credits |  | Course Number | Course Title | Credits |
|  | BIO 3150  | Microbiology  | 4 |  | PHY 1500 | College Physics I | 3 |
|  | CHM 3110 | Biochemistry  | 3 |  | PHY 1560 | College Physics I Lab  | 1 |
|  | CHM 2510  | Organic Chemistry II | 4 |  | BIO 3180 | Principles of Genetics | 4 |
|  | CHM 2530 | Organic Chemistry II Lab | 1 |  | BIO 3040 | Principles of Ecology  | 4 |
|  | General Education | Physical Education | 1 |  | CHM 3120 | Experimental Methods in Biochemistry  | 1 |
|  | General Education  | Social Science  | 3 |  | General Education | Social Science | 3 |
| **Total Credits** | 16 | **Total Credits** | 16 |

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| **Senior Year** |
| **Fall** | **Spring** |
|  | Course Number | Course Title | Credits |  | Course Number | Course Title | Credits |
|  | BIO 3710  | Cell Biology  | 4 |  | BIO 4610 | Animal Physiology  | 4 |
|  | PHY 1510  | College Physics II  | 3 |  | BIO 4700 | Reading and Writing in the Natural Sciences  | 3 |
|  | PHY 1570 | College Physics Lab II | 1 |  | BIO 3190 or BIO 3200 or BIO 3750 or BIO 3810 orBTEC 4300 |  | 3-4 |
|  | General Education  | Philosophy or Religion  | 3 |  | University-wide Elective |  | 3-4 |
|  | University-wide Elective |  | 3 |  |  |  |  |
| **Total Credits** | 14 | **Total Credits** | 13-15 |

You must complete 6 hours of courses designated as WE (writing enriched). BIO 3710 (listed above) will count as 4 hours of writing enriched (WE) credit, so you will still need at least 2 more hours of WE course work, which can potentially come from biology or any other discipline.