**B.S. in Biology: Biomedical Emphasis 2019-2020**

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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 or  MAT 1090 | College Algebra or Precalculus | 3-4 |  | MAT 2100 | Introduction to Statistics | 3 |
|  | BIO 1000\* | Principles of Biology | 3 |  | CHM 1300 | General Chemistry I | 3 |
|  | BIOL 1000 | Laboratory Investigation and Experiences in General Biology | 1 |  | CHM 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 or  BIO 2120 | Anatomy & Physiology I or II | 4 |
|  | CHM 1310 | General Chemistry II | 3 |  | CHM 2500 | Organic Chemistry I | 3 |
|  | CHM 1110 | General Chemistry Laboratory II | 1 |  | CHM 2520 | Organic Chemistry I Lab | 1 |
|  | MAT 2150 or  MAT 2210 | Calculus with Applications or  Calculus I | 4 |  | General Education | Fine Art | 3 |
|  | 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 | 3 |  | BIO 3180 | Principles of Genetics | 4 |
|  | CHM 2530 | Organic Chemistry II Lab | 1 |  | BIO 3040 | Principles of Ecology | 4 |
|  | General Education | Social Science | 3 |  | CHM 3120 | Experimental Methods in Biochemistry | 1 |
|  | General Education | Physical Education | 1 |  | General Education | Social Science | 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 |
|  | 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 or  BTEC 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.