

BACHELOR OF SCIENCE - Biology (Health Professions)

| Dept. | Class Name | Hrs. | | Dept. | Class Name | Hrs. |
|----------------|--|-------|--|-------------|--|-------|
| FRESHMAN YEAR | | | | | | |
| BPC 100 | Student Success* | 3 | | BUS 101 | Fundamentals of Computer Applications | 3 |
| ENG 101 | Writing and Rhetoric | 3 | | ENG 102 | Rhetoric and Literature | 3 |
| MTH 102 | College Algebra | 3 | | CHR 100 | Introduction to Biblical Worldview | 3 |
| BIO 101 | General Biology I ** | 3 | | BIO 102 | General Biology II ** | 3 |
| BIO 101-L | General Biology I Lab | 1 | | BIO 102-L | General Biology II Lab | 1 |
| CHM 111 | General Chemistry I | 3 | | CHM 112 | General Chemistry II | 3 |
| CHM 111-L | General Chemistry I Lab | 1 | | CHM 112-L | General Chemistry II Lab | 1 |
| | TOTAL | 17 | | | TOTAL | 17 |
| SOPHOMORE YEAR | | | | | | |
| HIS 151 | History of Civilization I | 3 | | HIS 152 | History of Civilization II | 3 |
| BIO 202 | Human Anatomy and Physiology I | 4 | | BIO 203 | Human Anatomy and Physiology II | 4 |
| BIO 230 | Medical Terminology | 3 | | CHM 336 | Organic Chemistry II | 4 |
| CHM 335 | Organic Chemistry I | 4 | | OPTION | Required Social/Behavioral Science Course | 3 |
| OPTION | Required Arts/Letters Course | 3 | | OPTION | Required Fine Arts Course*** | 3 |
| | | | | | | |
| | | | | | | |
| | TOTAL | 17 | | | TOTAL | 17 |
| JUNIOR YEAR | | | | | | |
| MTH 111 | Precalculus**** | 3 | | MTH 204 | Calculus**** | 4 |
| PE 205 | Concepts of Fitness | 2 | | BIO 370 | Introduction to Microbiology | 4 |
| CHM 321 | Analytical Chemistry | 4 | | CHM 338 | Biochemistry | 3 |
| OPTION | Required Biology Elective Course (300-400 level) | 3/4 | | OPTION | Required Religion and Philosophy Course | 3 |
| OPTION | Required Foreign Language/Culture Course | 3 | | OPTION | Required General Elective Course (300-400 level) | 3 |
| | | | | | | |
| | | | | | | |
| | TOTAL | 15/16 | | | TOTAL | 17 |
| SENIOR YEAR | | | | | | |
| BIO 430 | Studies in Biology I | 2 | | BIO 431 | Studies in Biology II | 2 |
| MTH 104 | Elementary Statistics | 3 | | BIO 300 | Cell Biology | 4 |
| PHY 201/221 | General Physics I | 4 | | PHY 203/223 | General Physics II | 4 |
| BIO 410 | Genetics | 4 | | OPTION | Required Biology Elective Course (300-400 level) | 3/4 |
| OPTION | Required General Elective Course (300-400 level) | 3 | | | | |
| | | | | | | |
| | | | | | | |
| | TOTAL | 16 | | | TOTAL | 13/14 |

*Any student who has successfully completed 24 hours of college-level classes is exempt from BPC 100.

**Biology majors must take BIO 101 and BIO 102 to satisfy the core science requirement.

***Three semesters of Concert Choir (MUS-CC 160/ 260/360/460) fulfills the Fine Arts core requirement.

****With permission from the Chair of the Division of Mathematics and Natural Sciences, any student may meet the mathematics requirement by successful completion of MTH 111, 204, or 205.