

BS in Biology (PreMedical and PreDentistry) with Chemistry Minor

Milligan College

Catalog Year
2018-2019

This document is designed as a guide for students planning their course selection and is only a suggested schedule. Actual course selections should be made with the advice and consent of the academic advisor. While accurately portraying the information contained in the College Catalog, this form is not considered a legal substitute for that document. Students should become familiar with the Catalog in effect at the time in which they enter Milligan.

| FALL SEMESTER 1 | | |
|-----------------|-----------------------------|-------------|
| COURSE | TITLE | CREDITS |
| BIOL 111 | Principles of Biology I | 4 |
| HUMN 101 | Ancient & Medieval Cultures | 4 |
| MLGN 100 | Intro to College & Service | 0.5 |
| CHEM 170 | General Chemistry I | 4 |
| EXSC 101 | Fitness for Life | 1 |
| | | |
| | TOTAL CREDITS | 13.5 |

| SPRING SEMESTER 1 | | |
|-------------------|----------------------------------|-----------|
| COURSE | TITLE | CREDITS |
| BIOL 112 | Principles of Biology II | 4 |
| HUMN 102 | Renaissance & Early Modern Cult. | 4 |
| COMP 111 | Rhetorical Composition | 3 |
| CHEM 171 | General Chemistry II | 4 |
| | | |
| | TOTAL CREDITS | 15 |

| FALL SEMESTER 2 | | |
|-----------------|----------------------------------|-----------|
| COURSE | TITLE | CREDITS |
| HUMN 201 | 18th & 19th Century Cultures | 4 |
| COMP 211 | Found. of Analytical Composition | 3 |
| BIOL 250 | Anatomy & Physiology I | 4 |
| CHEM 301 | Organic Chemistry I | 3 |
| MATH 211 | Calculus I ⁴ | 4 |
| | | |
| | TOTAL CREDITS | 18 |

| SPRING SEMESTER 2 | | |
|-------------------|---------------------------------------|-------------|
| COURSE | TITLE | CREDITS |
| HUMN 202 | Cultures of 20th & 21st Centuries | 4 |
| MLGN 200 | Intro to Calling & Career | 0.5 |
| BIOL 251 | Anatomy & Physiology II | 4 |
| CHEM 302 | Organic Chemistry II | 5 |
| COMM 102/103 | Speech or Public Speaking (3 or 2 cr) | 3 |
| | | |
| | TOTAL CREDITS | 16.5 |

| FALL SEMESTER 3 | | |
|-----------------|--------------------------------|-----------|
| COURSE | TITLE | CREDITS |
| BIBL 123 | Old Testament Survey | 3 |
| BIOL 310 | Genetics | 4 |
| PHYS 203 | General Physics I ¹ | 4 |
| CHEM 310 | Biochemistry | 5 |
| | | |
| | TOTAL CREDITS | 16 |

| SPRING SEMESTER 3 | | |
|-------------------|---------------------------------|-----------|
| COURSE | TITLE | CREDITS |
| BIBL 124 | New Testament Survey | 3 |
| BIOL | Recommend BIOL 380 Microbiology | 4 |
| PHYS 204 | General Physics II ¹ | 4 |
| | Social Learning Elective | 3 |
| | General Elective | 3 |
| | TOTAL CREDITS | 17 |

| FALL SEMESTER 4 | | |
|-----------------|-----------------------------------|-----------|
| COURSE | TITLE | CREDITS |
| BIOL | BIOL 130 or BIOL 360 ² | 4 |
| BIOL 494 | Seminar ³ | 2 |
| BIOL | Elective | 2 |
| | General Electives | 8 |
| | TOTAL CREDITS | 16 |

| SPRING SEMESTER 4 | | |
|------------------------------------|-----------------------------|------------|
| COURSE | TITLE | CREDITS |
| BIOL | Advanced (432, 450, or 452) | 4 |
| BIBL 471 | Christ & Culture | 3 |
| | Ethnic Studies | 3 |
| | General Electives | 7 |
| | TOTAL CREDITS | 17 |
| MINIMUM 128 NEEDED FOR GRAD | | 128 |

¹ Competency in PHYS 203 & 204 is a prerequisite for both medical and dental schools

² Could also choose BIOL 210 or 131 in spring in place of either BIOL 130 or 360 and take BIOL 431 as Advanced BIOL course in fall

³ Could choose BIOL 499 (2 hrs) or REU/Internship BIOL 499C (1 hr)

⁴ MATH 211 (fall) or MATH 171 (spring) is required to take physics

NOTE: BIOLOGY Majors must take a total of 32 biology course credits

Depending upon a student's post-bacc plans, other courses may be required for admission to graduate programs, so CONSULT with your adviser

FALL Biology Electives:

BIOL 250 Anatomy & Physiology I
BIOL 360 Ecology
BIOL 430 Advanced Anatomy
BIOL 431 Musculoskeletal Anatomy

Offered as Needed: BIOL 341 and BIOL 342

SPRING Biology Electives:

BIOL 210 Flora & Fauna of Southern Appalachia
BIOL 251 Anatomy & Physiology II
BIOL 362 Vertebrate Field Biology
BIOL 380 Microbiology & Immunology
BIOL 430 Advanced Anatomy
BIOL 432 Neuroanatomy
BIOL 450 Molecular Biology (odd years)