

BS in Biology (PreMedical and PreDentistry) with Chemistry Minor

Milligan College

Catalog Year
2019-20

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)