

BS in Biology with Human Anatomy Physiology Minor (Pre-Med)

Milligan University

Catalog Year
2024-2025

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 University 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
CHEM 171	General Chemistry I	4
HUMN 101	Ancient & Medieval Cultures	4
	Social Learning Course	3
GNSC 100	Intro to College & Service	0.5
	TOTAL CREDITS	15.5

SPRING SEMESTER 1		
COURSE	TITLE	CREDITS
BIOL 112	Principles of Biology II	4
CHEM 171	General Chemistry II	4
HUMN 102	Renaissance & Early Modern Cult.	4
COMP 111	Rhetorical Composition	3
EXSC 101	Lifetime Wellness	1
	TOTAL CREDITS	16

FALL SEMESTER 2		
COURSE	TITLE	CREDITS
BIOL 250	Human Anatomy and Physiology I	4
CHEM 201	Organic Chemistry I	4
HUMN 201	18th & 19th Century Cultures	4
COMP 211	Found. of Analytical Composition	3
	General Electives	3
	TOTAL CREDITS	18

SPRING SEMESTER 2		
COURSE	TITLE	CREDITS
BIOL 251	Human Anatomy and Physiology II	4
CHEM 202	Organic Chemistry II	4
HUMN 202	Cultures of 20th & 21st Centuries	4
COMM	Communications course	3
MLGN 200	Intro to Calling & Career	0.5
	TOTAL CREDITS	15.5

FALL SEMESTER 3		
COURSE	TITLE	CREDITS
BIOL 310	Genetics	4
BIOL 371	Advanced Anatomy or Biochem	4
MATH 211 or 213	Calculus I (4 hrs) or Statistics (3 hrs) ¹	3-4
BIBL 123	Old Testament Survey	3
	TOTAL CREDITS	14-15

SPRING SEMESTER 3		
COURSE	TITLE	CREDITS
BIOL 352 or 380	Cell Biology or Microbiology (even yrs)	3-4
BIOL 372	Advanced Physiology	4
BIBL 124	New Testament Survey	3
	General Electives	6
	TOTAL CREDITS	16-17

FALL SEMESTER 4		
COURSE	TITLE	CREDITS
BIOL 360	Ecology	4
BIOL 385	Human Health and Disease	4
BIOL 494	Capstone Seminar	3
	General Electives ²	3
	TOTAL CREDITS	14

SPRING SEMESTER 4		
COURSE	TITLE	CREDITS
BIOL 352 or 380	Cell Biology or Microbiology (even yrs)	3-4
BIBL 471	Christ and Culture	3
	General Electives	9
	TOTAL CREDITS	15-16
MINIMUM 128 NEEDED FOR GRAD		128

¹ MATH 211 is required to take physics at Milligan; if don't you don't choose to take physics at Milligan, then MATH 213 statistics is recommended ² For students planning to apply to medical school, two semesters of Physics is recommended.

NOTE: BIOLOGY Majors must take a minimum of 50 biology and chemistry 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.

Biology Electives:

- BIOL 362 Vertebrate Biology (spring – on demand)
- BIOL 371 Advanced Anatomy (fall even years)
- BIOL 372 Advanced Physiology (spring even years)
- BIOL 385 Human Health and Disease (fall odd years)
- BIOL 380 Microbiology & Immunology (spring even years)
- BIOL 450 Molecular Biology (spring odd years)
- CHEM 410 Biochemistry I (fall)