

BS in Chemistry

Biochemistry Concentration
Catalog Year 2025-2026

Milligan University

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
CHEM 170	General Chemistry I	4
MATH 211	Calculus I	4
BIOL 111	Principles of Biology I	4
HUMN 101	Ancient & Medieval Cultures	4
GNSC 100	Intro to College & Service in the Sciences**	0.5
	TOTAL CREDITS	16.5

FALL SEMESTER 2		
COURSE	TITLE	CREDITS
CHEM 270	Organic Chemistry I	4
PHYS 203	General Physics I	4
HUMN 201	18th & 19th Century Cultures	4
BIBL 124	New Testament Survey	3
	TOTAL CREDITS	15

FALL SEMESTER 3		
COURSE	TITLE	CREDITS
CHEM 410	Biochemistry I	4
	Suggested elective: Anatomy I	4
COMP 212	Writing, Research and Analytical Thinking	4
BIOL310	Genetics	4
	TOTAL CREDITS	16

FALL SEMESTER 4		
COURSE	TITLE	CREDITS
CHEM 494	Capstone*	3
BIBL 471	Christ & Culture	3
	Diverse cultures/global societies course	3
	Suggested elective: CHEM 340	4
	General Electives	4
	TOTAL CREDITS	17

SPRING SEMESTER 1		
COURSE	TITLE	CREDITS
CHEM 171	General Chemistry II	4
BIBL 123	Old Testament Survey	3
HUMN 102	Renaissance & Early Modern Cult.	4
EXSC 101M	Lifetime Wellness	1
	Suggested Elective: BIOL 112	4
	TOTAL CREDITS	16

SPRING SEMESTER 2		
COURSE	TITLE	CREDITS
CHEM 271	Organic Chemistry II	4
BIOL 352	Cell	3
PHYS 204	General Physics II	4
HUMN 202	Cultures of 20th & 21st Century	4
	TOTAL CREDITS	15

SPRING SEMESTER 3		
COURSE	TITLE	CREDITS
CHEM 411	Biochemistry II	4
	Suggested elective: Anatomy II	4
	BIOL 380 or BIOL 450	4
COMM 102	Speech Communication	3
	General Electives	3
	TOTAL CREDITS	18

SPRING SEMESTER 4		
COURSE	TITLE	CREDITS
	Suggested Elective: CHEM/BIOL	4
CHEM 341	Analytical Chemistry II	4
	Social Learning GER	3
	General Electives	4
	TOTAL CREDITS	15
MINIMUM 128 NEEDED FOR GRADUATION		128.5

¹Students may choose COMM 103 Public Speaking (2 hr) if they have checked with their advisers to see if fits with their post-bacc plans

²MATH 307 is highly recommended as a prerequisite for CHEM 402

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

Chemistry Electives:

CHEM 499A, B, and C are offered every semester

CHEM491 Internship is offered every semester and summer

FALL Odd Years Chemistry Electives:

CHEM410 Biochemistry I
CHEM402 Physical Chemistry II

FALL Even Years Chemistry Electives:

CHEM340 Analytical Chemistry I
CHEM494 Capstone
CHEM410 Biochemistry I

SPRING Even Years Chemistry Electives:

CHEM411 Biochemistry II
CHEM401 Physical Chemistry I

SPRING Odd Years Chemistry Electives:

CHEM341 Analytical Chemistry II
CHEM405 Inorganic Chemistry