BS in Chemistry

Biochemistry Concentration Catalog Year 2024-2025

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	
GNSC100	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 211	Found. of Analytical Composition	3	
BIOL310	Genetics	4	
	TOTAL CREDITS	15	

FALL SEMESTER 4		
COURSE	TITLE	CREDITS
CHEM494	Capstone*	3
BIBL 471	Christ & Culture	3
	Suggested GER: ES***	3
	Suggested elective: CHEM340	4
	General Electives	3
	TOTAL CREDITS	16

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: BIOL112	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
COMP 111	Rhetorical Composition	3
	TOTAL CREDITS	18

SPRING SEMESTER 3		
COURSE	TITLE	CREDITS
CHEM 411	Biochemistry II	4
	Suggested elective: Anatomy II	4
	BIOL380 or BIOL450	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	129.5	

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:		SPRING Even Years Chemistry Electives:		
CHEM410	Biochemistry I	CHEM411	Biochemistry II	
CHEM402	Physical Chemistry II	CHEM401	Physical Chemistry I	
FALLEven Years Chemistry Electives:		SPRING Odd Years Chemistry Electives:		
CHEM340	Analytical Chemistry I	CHEM341	Analytical Chemistry II	
CHEM494	Capstone	CHEM405	Inorganic Chemistry	
CHEM410 Biochemistry I				
*Fulfills MLGN200; **Fulfills MLGN100; ***Fulfills SLO10 GER				
Major Hours 58				
Core Hours	41.5			

Ì	lectives	30
	Electives	30