

# BS in Chemistry

Milligan University

Biochemistry Concentration  
Catalog Year 2020-21

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
MLGN 100	Intro to College & Service	0.5
	<b>TOTAL CREDITS</b>	<b>16.5</b>

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 101	Fitness for Life	1
	General Electives	3
	<b>TOTAL CREDITS</b>	<b>15</b>

FALL SEMESTER 2		
COURSE	TITLE	CREDITS
CHEM 201	Organic Chemistry I	4
PHYS 203	General Physics I	4
HUMN 201	18th & 19th Century Cultures	4
MLGN 200	Intro to Calling & Career	0.5
BIBL 124	New Testament Survey	3
	<b>TOTAL CREDITS</b>	<b>15.5</b>

SPRING SEMESTER 2		
COURSE	TITLE	CREDITS
CHEM 202	Organic Chemistry II	4
BIOL 452	Cell	3
PHYS 204	General Physics II	4
HUMN 202	Cultures of 20th & 21st Century	4
COMP 111	Rhetorical Composition	3
	<b>TOTAL CREDITS</b>	<b>18</b>

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
	<b>TOTAL CREDITS</b>	<b>15</b>

SPRING SEMESTER 3		
COURSE	TITLE	CREDITS
CHEM 411	Biochemistry II	4
	Suggested elective: Anatomy II	4
	BIOL380 or BIOL450	4
COMM 102	Speech Communication <sup>1</sup>	3
	General Electives	3
	<b>TOTAL CREDITS</b>	<b>18</b>

FALL SEMESTER 4		
COURSE	TITLE	CREDITS
CHEM494	Capstone	3
BIBL 471	Christ & Culture	3
	Ethnic Studies GER	3
	General Electives	6
	<b>TOTAL CREDITS</b>	<b>15</b>

SPRING SEMESTER 4		
COURSE	TITLE	CREDITS
	Suggested Elective: CHEM/BIOL	4
CHEM 302	Analytical Chemistry II	4
	Social Learning GER	3
	General Electives	4
	<b>TOTAL CREDITS</b>	<b>15</b>
<b>MINIMUM 128 NEEDED FOR GRADUATION</b>		<b>128</b>

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

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

#### FALL Odd Years Chemistry Electives:

CHEM495 Capstone  
CHEM402 Physical Chemistry II

#### FALLEven Years Chemistry Electives:

CHEM340 Analytical Chemistry 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

**Major Hours** 58  
**Core Hours** 42  
**Electives** 28  
**Total** 128