

# BS in Chemistry

Milligan College

Catalog Year  
2017-2018

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
BIBL 123	Old Testament Survey	3
HUMN 101	Ancient & Medieval Cultures	4
MLGN 100	Intro to College & Service	0.5
CHEM 170	General Chemistry I	4
	Social Learning GER	3
	<b>TOTAL CREDITS</b>	<b>14.5</b>

SPRING SEMESTER 1		
COURSE	TITLE	CREDITS
BIBL 124	New Testament Survey	3
HUMN 102	Renaissance & Early Modern Cult.	4
COMP 111	Rhetorical Composition	3
CHEM 171	General Chemistry II	4
EXSC 101	Fitness for Life	1
	<b>TOTAL CREDITS</b>	<b>15</b>

FALL SEMESTER 2		
COURSE	TITLE	CREDITS
HUMN 201	18th & 19th Century Cultures	4
COMP 211	Found. of Analytical Composition	3
CHEM 301	Organic Chemistry I	3
MATH 211	Calculus I	4
	General Elective	3
	<b>TOTAL CREDITS</b>	<b>17</b>

SPRING SEMESTER 2		
COURSE	TITLE	CREDITS
HUMN 202	Cultures of 20th & 21st Century	4
MLGN 200	Intro to Calling & Career	0.5
CHEM 302	Organic Chemistry II	5
MATH 212	Calculus II <sup>2</sup>	4
COMM 102	Speech Communication <sup>1</sup>	3
	<b>TOTAL CREDITS</b>	<b>16.5</b>

FALL SEMESTER 3		
COURSE	TITLE	CREDITS
CHEM 202	Quantitative Analysis	4
PHYS 203	General Physics	4
MATH 307	Linear Algebra <sup>3</sup>	3
	General Elective	3
	<b>TOTAL CREDITS</b>	<b>14</b>

SPRING SEMESTER 3		
COURSE	TITLE	CREDITS
CHEM	Chemistry Elective	4
PHYS 204	General Physics II	4
	Ethnic Studies GER	3
	General Electives	6
	<b>TOTAL CREDITS</b>	<b>17</b>

FALL SEMESTER 4		
COURSE	TITLE	CREDITS
CHEM	Chemistry Elective	4
	General Electives	13
	<b>TOTAL CREDITS</b>	<b>17</b>

SPRING SEMESTER 4		
COURSE	TITLE	CREDITS
BIBL 471	Christ & Culture	3
CHEM	Chemistry Elective	4
	General Electives	10
	<b>TOTAL CREDITS</b>	<b>17</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

<sup>2</sup> MATH 212 is required as a prerequisite for CHEM 402

<sup>3</sup> MATH 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.*

**FALL Chemistry Electives:**

CHEM 310 Biochemistry  
CHEM 401 Physical Chemistry

**Offered as needed:**

CHEM 311 Organic Qualitative Analysis  
CHEM 490 Research Problem  
CHEM 491 Internship with Crown Labs (Quality Control & Quality Assurance)  
CHEM 495 Seminar

**SPRING Chemistry Electives:**

CHEM 203 Instrumental Analysis  
CHEM 402 Quantum Chemistry

**Offered as needed:**

CHEM 405 Advanced Inorganic Chemistry  
CHEM 405L Advanced Inorganic Chemistry Lab