

BS in Chemistry: Physics Minor

Milligan College

Catalog Year
2016-17

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
MATH 211	Calculus I	4
	TOTAL CREDITS	15.5

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
MATH 212	Calculus II ²	4
	TOTAL CREDITS	18

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
PHYS 203	General Physics I	4
HPXS 101	Fitness for Life	1
	TOTAL CREDITS	15

SPRING SEMESTER 2		
COURSE	TITLE	CREDITS
HUMN 202	Cultures of 20th & 21st Centuries	4
MLGN 200	Intro to Calling & Career	0.5
CHEM 302	Organic Chemistry II	5
PHYS 204	General Physics II	4
COMM 102	Speech Communication ¹	3
	TOTAL CREDITS	16.5

FALL SEMESTER 3		
COURSE	TITLE	CREDITS
CHEM 202	Quantitative Analysis	4
PHYS 311	Wave Phenomena	4
MATH 307	Linear Algebra ³	3
	General Elective	4
	TOTAL CREDITS	15

SPRING SEMESTER 3		
COURSE	TITLE	CREDITS
CHEM	Chemistry Elective	4
PHYS 351	Quantum Mechanics	4
	Ethnic Studies GER	3
	General Electives	6
	TOTAL CREDITS	17

FALL SEMESTER 4		
COURSE	TITLE	CREDITS
CHEM	Chemistry Elective	4
	General Electives	5
	Social Learning GER	3
PHYS	Physics Elective	4
	TOTAL CREDITS	16

SPRING SEMESTER 4		
COURSE	TITLE	CREDITS
BIBL 471	Christ & Culture	3
CHEM	Chemistry Elective	4
	General Electives	8
	TOTAL CREDITS	15
MINIMUM 128 NEEDED FOR GRAD		128

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

² MATH 212 is required as a prerequisite for CHEM 401 and 402

³ 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