BS in Mathematics with Physics minor

Milligan University

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**
BIBL 123	Old Testament Survey	3
HUMN 101	Ancient & Medieval Cultures	4
MLGN 100	Intro to College & Service	0.5
MATH 211	Calculus I	4
	General Elective	3
	TOTAL CREDITS	**14.5**

SPRING SEMESTER 1		
COURSE	**TITLE**	**CREDITS**
BIBL 124	New Testament Survey	3
HUMN 102	Renaissance & Early Modern Cult.	4
COMP 111	Rhetorical Composition	3
MATH 212	Calculus II	4
EXSC 101	Fitness for Life	1
	TOTAL CREDITS	**15**

FALL SEMESTER 2		
COURSE	**TITLE**	**CREDITS**
HUMN 201	18th & 19th Centeruy Cult.	4
MATH 303	Multivariable Calculus	4
PHYS 203	General Physics I	4
MATH 301	Intro. to Math Logic	3
	TOTAL CREDITS	**15**

SPRING SEMESTER 2		
COURSE	**TITLE**	**CREDITS**
HUMN 202	Cultures of 20th & 21st Centuries	4
MATH 307	Linear Algebra	3
PHYS 204	General Physics II	4
	MATH Elective	3
COMM 102	Speech Communication[1]	3
MLGN 200	Intro to Calling & Career	0.5
	TOTAL CREDITS	**17.5**

FALL SEMESTER 3		
COURSE	**TITLE**	**CREDITS**
CS 211	Programming Logic	3
PHYS 311	Wave Phenomena	4
MATH	Either 411 or 494[2]	3
COMP 211	Found. Analytical Comp.	3
	General Elective	3
	TOTAL CREDITS	**16**

SPRING SEMESTER 3		
COURSE	**TITLE**	**CREDITS**
PHYS 351	Quantum Mechanics	4
	Either 308 or 300-400 level elective[2]	3
	Social Learning GER	3
	Ethnic Studies GER	3
	General Elective	3
	TOTAL CREDITS	**16**

FALL SEMESTER 4		
COURSE	**TITLE**	**CREDITS**
MATH	Either 411 or 494[2]	3
MATH	MATH Elective 300-400 Level	3
	General Electives	7
	Physics Elective	4
	TOTAL CREDITS	**17**

SPRING SEMESTER 4		
COURSE	**TITLE**	**CREDITS**
MATH	Either 308 or 300-400 level elective[2]	3
	General Electives	11
BIBL 471	Chirst & Culture	3
	TOTAL CREDITS	**17**
	MINIMUM 128 NEEDED FOR GRAD	**128**

GER = General Education Requirement

[1]Students may choose COMM 103 Public Speaking (2 hr) if they have checked with their adviser to see if this 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.*

[2]MATH 308, 411, and 494 are required for the math major, but only offered once every two years. Math majors who start in fall of odd years should take MATH 411 in fall junior year, MATH 308 in spring of junior year, and MATH 494 in fall of senior year. Math majors who start in fall of even years should take MATH 494 in fall junior year, MATH 411 in fall of senior year, and MATH 308 in spring of senior year.

Preferred MATH Electives are (consult math professors for guidance):

FALL Courses:
MATH 304 Modern Geometry
MATH 314 Probability & Statistics I
MATH 408 Numerical Analysis
MATH 411 Intro to Real Analysis

SPRING Courses:
MATH 302 Discrete Mathematics
MATH 308 Modern Algebra
MATH 309 Differential Equations
MATH 351 Math Modelings
MATH 412 Intro to Complex Analysis