

BS in Mathematics with Physics minor

Milligan College

Catalog Year
2018-2019

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 Century 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 | MATH Elective 300-400 Level | 3 |
| COMP 211 | Found. Analytical Comp. | 3 |
| | General Elective | 3 |
| | | |
| | TOTAL CREDITS | 16 |

| SPRING SEMESTER 3 | | |
|-------------------|-----------------------------|-----------|
| COURSE | TITLE | CREDITS |
| PHYS 351 | Quantum Mechanics | 4 |
| | MATH Elective 300-400 Level | 3 |
| | Social Learning GER | 3 |
| | Ethnic Studies GER | 3 |
| | General Elective | 3 |
| | | |
| | TOTAL CREDITS | 16 |

| FALL SEMESTER 4 | | |
|-----------------|-----------------------------|-----------|
| COURSE | TITLE | CREDITS |
| MATH 495 | Seminar | 3 |
| MATH | MATH Elective 300-400 Level | 3 |
| | General Electives | 7 |
| | Physics Elective | 4 |
| | | |
| | TOTAL CREDITS | 17 |

| SPRING SEMESTER 4 | | |
|------------------------------------|-----------------------------|------------|
| COURSE | TITLE | CREDITS |
| MATH | MATH Elective 300-400 Level | 3 |
| | General Electives | 11 |
| BIBL 471 | Christ & Culture | 3 |
| | | |
| | | |
| | TOTAL CREDITS | 17 |
| MINIMUM 128 NEEDED FOR GRAD | | 128 |

GER = General Education Requirement

¹Students 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.

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