BS in Computer Science with Physics minor

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
CS 211	Programming Logic	3
MATH 211	Calculus I	4
EXSC 101	Fitness for Life	1
	TOTAL CREDITS	**15.5**

SPRING SEMESTER 1

COURSE	TITLE	CREDITS
BIBL 124	New Testament Survey	3
HUMN 102	Renaissance & Early Modern	4
COMP 111	Rhetorical Composition	3
MATH 212	Calculus II	4
CS 287	Data Structures	3
	TOTAL CREDITS	**17**

FALL SEMESTER 2

COURSE	TITLE	CREDITS
HUMN 201	18th & 19th Cty. Culture	4
CS 201	Hardware Fundamentals	3
CS 297	Object Oriented Programming-JAVA	3
PHYS 203	General Physics I	4
COMP 211	Found. Analytical Comp.	3
	TOTAL CREDITS	**17**

SPRING SEMESTER 2

COURSE	TITLE	CREDITS
HUMN 202	Cultures of 20th & 21st Cty Cultures	4
CS 313	Advanced Programming	3
MATH 302	Discrete Mathematics	3
COMM 102	Speech Communications	3
PHYS 202	General Physics II	4
MLGN 200	Intro to Calling & Career	0.5
	TOTAL CREDITS	**17.5**

FALL SEMESTER 3

COURSE	TITLE	CREDITS
CS 301	Operating Systems	3
PHYS 311	Wave Phenomena	4
	Ethnic studies GER	3
CS	Computer Science elective[1] OR	3
	General elective[2]	
	Social Learning Course GER	3
	TOTAL CREDITS	**16**

SPRING SEMESTER 3

COURSE	TITLE	CREDITS
CS 350	Analysis of Algorithms[1] OR	3
	General Elective	
CS 420	Networking and Communications	3
CS 430	Information Assurance & Sec[1] OR	3
CS	Computer Science Elective[2]	
PHYS 351	Quantum Mechanics	4
	General elective	3
	TOTAL CREDITS	**16**

FALL SEMESTER 4

COURSE	TITLE	CREDITS
BIBL 471	Christ & Culture	3
CS	Computer Science elective[1] OR	3
	General elective[2]	
PHYS	Physics elective	4
	General elective	3
	General elective	1
	TOTAL CREDITS	**14**

SPRING SEMESTER 4

COURSE	TITLE	CREDITS
	General elective.[2] *OR*	3
CS 350	Analysis of Algorithms[1]	
CS 440	Dist. Systems & Architecture	3
CS 430	Information Assurance & Sec[1] OR	3
	Computer Science elective[2]	
	General elective	3
	General elective	3
	TOTAL CREDITS	**15**
	MINIMUM 128 NEEDED FOR GRAD	**128**

GER = General Education Requirements

[1] Offered odd years

[2] Offered even years