COMPUTATIONAL PHYSICS

Bachelor of Science | Regis College
Sample Course Sequence

Year 1

FALL SEMESTER			SPRING SEMESTER		
RCC 200	First Year Seminar	3 CH	CORE	Distributive Core C-Course	3 CH
CORE	Distributive Core	3 CH	CORE	Distributive Core	3 CH
MT 360A	Calculus I	4 CH	MT 360B	Calculus II	4 CH
PH 304A+ 305A	General Physics with Calculus I+Lab	4 CH	PH 304B+ 305B	General Physics with Calculus II+Lab	4 CH

Year 2

FALL SEMESTER			SPRING SEMESTER		
RCC 400D	Diversity & Cultural Tradition	3 CH	CORE	Distributive Core	3 CH
CORE	Distributive Core	3 CH	CORE	Distributive Core	3 CH
CS 210	Introduction to Programming	3 CH	CS 310	Data Structures	3 CH
MT 320	Discrete Mathematics	3 CH	MT 463	Differential Equations	3 CH
MT 360C	Calculus III	4 CH	PH 451	Modern Physics Lab and Seminar	2 CH

Year 3

FALL SEMESTER			SPRING SEMESTER		
CORE	Foreign Language	4 CH	RCC 420J	Justice and the Common Good	3 CH
CORE	Distributive Core	3 CH	CORE	Foreign Language	4 CH
CS 324	Algorithms and Analysis	3 CH	CORE	Distributive Core	3 CH
MT 405	Numerical/Computational Methods	3 CH	CS 390	Principles of Programming Languages	3 CH
PH 465	Statistical Mechanics & Thermodynamics	3 CH	PH 408	Analytical Mechanics & Special Relativity	3 CH

Year 4

FALL SEMESTER			SPRING SEMESTER		
RCC 430M	Search for Meaning	3 CH	RCC 410E	Global Environmental Awareness	3 CH
CORE	Distributive Core	3 CH	CS 4**	Upper Division Computer Science Elective	3 CH
PH 410	Electricity & Magnetism	3 CH	PH 460	Quantum Theory & Spectroscopy	3 CH
PH 4**	Upper Division Physics Elective	3 CH		Elective	3 CH
PH 475	Physics Capstone Seminar	1 CH		Elective	3 CH
	Elective	3 CH			

Major Requirement	**70**
Core	**42**
Elective	**9**
TOTAL CREDIT HOURS	121

REGIS UNIVERSITY