

# B.S. Computer Science

## Four Year Degree Completion Guide (Spring 2012 – Spring 2014)

### Student Information

Name: \_\_\_\_\_ Campus ID: \_\_\_\_\_

Email: \_\_\_\_\_

### Advisor Information

Name: \_\_\_\_\_ Office (& Phone): \_\_\_\_\_

Email: \_\_\_\_\_

General Education Courses for *B.S. Computer Science*

Please fill out and bring this form to your advisor

Year	Course (Department Number, Title)		Credits	Grade	Semester	Comment
Year 1	IGED 110	Foundation Writing I	3			
	IGED 130	Foundation Oral Communication	3			
	MATH 151	Calculus I (Lec+Lab)	4			
	APCT 110/111	Intro to Programming (Lec+Lab)	3			
	APCT 115	Foundations of Computing	3			
	Sub-total		16			
	IGED 111	Foundation Writing II	3			
	MATH 152/156	Calculus II (Lec+Lab)	4			
	APCT 231	Computer Science I (Lec+Lab)	4			
	PHIL 105	Introduction to Logic	3			
	Sub-total		14			

Year 2	IGED 140	Foundation Ethics	3			
	IGED 210	Discovery Writing	3			
	APCT 232/234	Computer Science II (Lec+Lab)	4			
		Natural Science Elective (Lec+Lab)	4			
	Sub-total		14			
	IGED 270	Discovery Diversity	3			
	MATH 213	Discrete Math	3			
	CMOP 235/236	Intro. to WebPage Development and HTML (Lec+Lab)	3			
	CSCI 241	Data Structures	3			
		Natural Science Elective (Lec+Lab)	4			
	Sub-total		16			

Year 3	IGED 280	Discovery Civics	3			
	MATH 225	Linear Algebra	3			
	CSCI 311/313	Computer Organization (Lec+Lab)	4			
	CSCI 325	Organization of Programming Language	3			
	CSCI 341	Software Engineering	3			
	Sub-total		16			
	MATH 381	Probability and Statistics	3			
	CSCI 351	Computer Networks	3			
		CS Elective+	3			
		CS Elective+	3			
		Natural Science Elective (Lec+Lab)	4			
Sub-total		16				

Year 4	CSCI 410	Theory of Computing	3			
	CSCI 412	Operating Systems	3			
	CSCI 415	Computer Architecture	3			
	CSCI 495	Senior Seminar	1			
	CSCI 498	Senior Project I	2			
		Math/Science Elective	3			
	Sub-total		15			
	CSCI 452	Database Systems Design	3			
	CSCI 499	Senior Project II	3			
		CS Elective+	3			
		CS Elective+	3			
		CS Elective+	3			
	Sub-total		15			
	The minimum credits required for graduation: 122			122		

If the student is not prepared to take Computer Science I (APCT 231/233). If the student is ready to take Computer Science I (APCT 231/233) without taking Intro to Programming (APCT 110/111), the student needs to take any elective course (3 credits) to meet the minimum requirements for graduation. .