Bachelor of Science in Computer Science -- 120 Credits

Standard Track

JCSCI-BS/JSTD-TR

Effective August 2017

GENERAL EDUCATION REQUIREMENTS (RG 6825)

REQUIRED COURSES			WORLDS (OF KNOV	VLEDGE									
Foundational Courses	CR Sa	tisfied/Term	Aesthetic a	and Creat	tive Expression				Global His	story & Cu	ulture			
Engcmp 0003 or 0005	3		Subject	Number	Course Title	CR	Satisfie	ed/Term	Subject	Number	Course Title	CR	Satisf	ied/Term
Engcmp 0004 or 0006	3					3						3		
CommRc 0052 Public Speaking	3					3						3		
Basic Algebra or Placement Test														
Math 0001 Algebra 1	3		Societies &	Civics					Science &	Nature				
Quantitative Reasoning (QR) - 1 C	ourse		Subject	Number	Course Title	CR	Satisfie	ed/Term	Subject	Number	Course Title	CR	Satisf	ied/Term
Note - a student cannot test out of th	eir QR require	ment.				3			Math	0221	Analytic Geom & Calc 1	4		
	3					3						3		
FREE ELECTIVES Free electives are the balance of cre graduation (120) that are not used to knowledge areas, major requirement related area required by the departm	satisfy compe s, electives, or ent.	tencies,	must be from >The minimum	Number 0231 0241 must take 2 different so	Course Title Analytic Geom & Calc 2 Analytic Geom & Calc 3 2 courses in each World of K ubjects. A student must take courses taken in the Worlds mu	two ac	ige. The iditional	"Follow-l						
			>A student car >For example. >Students can	nnot use a m A Biology s not use a co	nay repeat a subject previously najor required Subject course in student cannot use BIOL 0110 nurse to count both in their QR r and Worlds of Knowledge cou	one of to fulfill equiren	the Wor a require nent and	rlds. e <i>ment in th</i> one of the	Worlds.	ature World.				

MAJOR REQUIREMENTS (RG 7267)

First Term (RQ 3395)						
Complete	CR	Satisfied/Term				
Math 0401	Discrete Math Structures	3				
CS 0100	Perspectives in Comp Science	3				
Requireme	ent Satisfied	6				
Second Term (RQ 3396) Complete the following Courses						
	the following Courses	CR	Satisfied/Term			
CS 0406	the following Courses Discrete Math 2 and Statistics	CR 3	Satisfied/Term			
CS 0406 CS 0410		-	Satisfied/Term			
	Discrete Math 2 and Statistics	-	Satisfied/Term			

Third Term (RQ 3397)						
Complete the following Courses			Satisfied/Term			
CS 0045	Algos & Info Structure Apps	1				
CS 0046	Comp Sys Architecture Apps	1				
CS 0455	Algos & Info Structure	3				
CS 0456	Computer System Architecture	3				
Requirem	ent Satisfied	8				

Fourth Term (RQ 3398)						
Complete	the following Courses	CR	Satisfied/Term			
CS 0047	Adv Program Concepts Apps	1				
CS 0048	Data Structures & Files Apps	1				
CS 0457	Adv Programming Concepts	3				
CS 0458	Data Structures & Files	3				
Requirem	ent Satisfied	8				

IMPORTANT INFORMATION:

This sheet is an unofficial representation of the major requirements and the information is subject to change. It is not an official record of academic progress and should not be treated as such. Official degree information can only be obtained through the Division Office or the Office of the Registrar.

Updated 04/11/2023

Required Upper Level Mathematics (RQ 3399)							
Complete the following Courses			Satisfied/Term				
Math 0221	Analytic Geom & Calculus 1	4					
Math 0231	Analytic Geom & Calculus 2	4					
Math 0241	Analytic Geom & Calculus 3	4					
Math 1181	Linear Algebra 1	3					
Requirement Satisfied							

Upper Level CS Electives (RQ 3400)					
Select 15	CR	Satisfied/Term			
CS 1132	Classical Numerical Analysis				
or Math 1	3				
CS 1163	Advanced Topics in CS	3			
CS 1164	Advanced CS Topics and Apps	3			
CS 1710	Formal Structures in CS	3			
CS 1713	Algorithm Design & Analysis	3			
CS 1720	Programming Languages	3			
CS 1735	Software Design Methodology	3			
CS 1736	Software Engineering	3			
CS 1750	Systems Programming	3			
CS 1760	Adv Object-Oriented Programming	3			
CS 1761	Mobile Application Development	3			
CS 1762	Web Programming	3			
CS 1765	Data Base Mgmt Systems	3			
CS 1766	Intro to Computer Graphics	3			
CS 1783	Artificial Intelligence Programming	3			
CS 1791	Compiler Design	3			
CS 1792	Operating Systems	3			
CS 1793	Computer Architecture & Org	3			
Requirement Satisfied					