Bachelor of Science in Computer Science -- 120 Credits

Standard Track

JCS-BS/JBS-STD-TR (RG 255)

GENERAL EDUCATION REQUIREMENTS (RG 245)

COMPETENCY AREAS - See Approved List of GenEd Courses

(RQ 736)

WRITING (RQL 736-10, 20)	CR	Satisfied/Term		
Engcmp 0003 or 0005	3			
Engcmp 0004 or 0006	3			
Select one of the following options (RQL 736-30, 40)				
1 Primary Writing OR 2 Writing Enhanced courses				
	3			
	2			

(RQ 760)			
SPEAKING (Select one option below)			
Option A: Any 3 Speaking Enhanced (Course	S (RQL	760-30)
	3		
	3		
	3		
Option B: 1 course from each area bel	ow (RG	L 760-10	, 20)
Any Primary Speaking Course			
	3		
Any Speaking Enhanced Course			
	3		

(RQ 886)			
BASIC ALGEBRA & QUANTITATIVE REA	SONING		
The following requirements may be satis			
through placement exams; UPJ courses, transfer			
or College in High School courses			
Basic Algebra Requirement (RQL 886-10)	CR	Satisfi	ed/Term
Zaoro / agosta / toqua omorit (i/42 000 10)			
Satisfied by:			
• • •	L 886-20)		
Satisfied by:	L 886-20)		

KNOWLEDGE AREAS - See Approved List of GenEd Courses

(POL 722-10 thru -60

(RQL 722-10 thru -60)				
Social Science - 12 credits m	inimum			
Select one of the followi	ng opti	ons	;	
A. Select 1 course from 4 differen	nt discip	line	s	
B. Select 1 course from 3 differer	nt discip	line	s	
AND 1 follow-up course in any o	ne of the	ose	3	
Anthropology				
Economics				
Geography				
History				
Political Science				
Sociology				
Follow-up course				

Humanities - 12 credits minimum			
Select one of the following opt	ions	i	
A. Select 1 course from 4 different disci	plines	S	
B. Select 1 course from 3 different discipant	plines	S	
AND 1 follow-up course in any one of the	nose	3	
Communication			
English Literature			
English Writing			
Fine Arts			
Foreign Language			
Journalism			
Music			
Philosophy	,		·
Theatre			
Follow-up course	-		

(RQ 1612)			
Natural Science - 12 credits minimum	CR	Satisfi	ed/Term
Fulfilled by Required Courses	9		
An additional course from any one of:	3		
Biology			
Chemistry			
Geology			
Physics			
Psychology			

MAJOR REQUIREMENTS (RG 255)

(RQL 0774-10)

Required Courses	CR	Satisfied/Term
CS 0045 Intro to Info Structure Apps	1	
CS 0046 Comp Sys Architecture Apps	1	
CS 0047 Adv Program Concepts Apps	1	
CS 0048 Data Structures & Files Apps	1	
CS 0100 Perspectives in Comp Science	3	
CS 0406 Discrete Math 2 and Statistics	3	
CS 0410 Intro to CS Applications	1	
CS 0411 Intro to CS Programming	3	
CS 0455 Intro to Information Structures	3	
CS 0456 Computer System Architecture	3	
CS 0457 Adv Programming Concepts	3	
CS 0458 Data Structures & Files	3	
Math 0221 Analytic Geom & Calculus 1	4	
Math 0231 Analytic Geom & Calculus 2	4	
Math 0241 Analytic Geom & Calculus 3	4	
Math 0401 Discrete Math Structures	3	
Math 1181 Linear Algebra 1	3	

Upper Level CS Electives Select 15 credits from the following courses			
			CS 1132 Classical Numerical Analysis
or Math 1071 Numerical Math Analysis	3		
CS 1163 Advanced Topics in CS	3		
CS 1164 Advanced Topics in CS	3		
CS 1710 Formal Structures in CS	3		
CS 1713 Algorithm Design & Analysis	3		
CS1720 Programming Languages	3		
CS 1735 Software Design Methodology	3		
CS 1736 Software Engineering3	3		
CS 1750 Systems Programming	3		
CS 1760 Advanced Programming	3		
CS 1762 Web Programming	3		
CS 1765 Data Base Mgmt Systems	3		
CS 1766 Intro to Computer Graphics	3		
CS 1783 Artificial Intelligence Progamng	3		
CS 1791 Compiler Design	3		
CS 1792 Operating Systems	3		
CS 1793 Computer Architecture & Org	3		

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.

Source Book 2015

FREE ELECTIVES

FREE ELECTIVES			
Free electives are the balance of credits required for			
graduation (120) that are not used to satisfy competencies,			
knowledge areas, major requirements, electives, or any			
related area required by the department.			