1/12/2019 Computer S	Science Major - Rollins Colle	ege - Acalog ACMS™			
Student ID:Student Name:Adviser Name:	Program: Con	Catalog: 2019-20 College of Liberal Arts Program: Computer Science Major Minimum Credits Required:			
Computer Science Major					
Meet the Faculty					
The Department of Mathematics and Computer Science offer implement computer programs to solve many types of proble Machinery (ACM), the major prepares students for graduate computer science minor complements any major for which c preparation for many computer-related occupations.	ems. Based on curricula d study and for many inter	leveloped by the Association resting careers in the comput	for Compu er industry	ting . The	
Major Requirements					
Thirteen (13) courses are required, all nine (9) core courses at A first-year student majoring in computer science will typica 108 in the Fall, and CMS 170 and MAT 140 in the spring. Core Courses					
Course Name	Crs:	Term Taken	Grade	Gen Ed	
CMS 167 - Problem Solving I with Selected Topics Co-requisite(s): CMS 167L	CIS.	Term runeir	Grade	och Eu	
CMS 167L - Problem Solving I Lab Co-requisite(s): CMS 167					
CMS 170 - Problem Solving II with Selected Topics <i>Prereq(s)</i> : CMS 167/CMS 167L.					
CMS 230 - Introduction to Computer Systems <i>Prereq(s):</i> CMS 170.					
CMS 270 - Object-Oriented Design and Development <i>Prereq(s):</i> CMS 170.					
CMS 330 - System Software Principles <i>Prereg(s)</i> : CMS 230.					

Electives

Prereq(s): MAT 140.

Group 1:

At least one is required.

CMS 484 - Senior Computer Science Capstone

MAT 140 - Introduction to Discrete Mathematics

Prereg(s): one 400-level CMS course.

MAT 310 - Applied Discrete Mathematics

1				
Course Name	Crs:	Term Taken	Grade	Gen Ed
CMS 375 - Database Design and Development <i>Prereq(s)</i> : CMS 270.				
CMS 380 - Simulation Analysis and Design <i>Prereg(s)</i> : CMS 270.				ı

Group 2:

At least one is required. A student who is considering graduate studies should take CMS 460.

Course Name	Crs:	Term Taken	Grade	Gen Ed
CMS 460 - Algorithm Analysis Prereq(s): CMS 270 and MAT 140.				
CMS 450 - Networks Prereq(s): CMS 330.				

Additional Electives

For students considering graduate school in computer science, a minor in Mathematics is recommended.

Course Name	Crs:	Term Taken	Grade	Gen Ed
CMS 341 - Mobile App Development <i>Prereq(s)</i> : CMS 270.				
CMS 352 - Web Application Development				

	Comparer Colorida major Promise Comogo Promis	97.0	
<i>Prereq(s):</i> CMS 270.			
CMS 395 - Special Topics			
<i>Prereq(s):</i> CMS 270 and instructor consent.			
CMS 430 - Artificial Intelligence			
Prereq(s): MAT 310.			
CMS 441 - Advanced Systems			
Prereq(s): CMS 330.			
CMS 480 - Programming Language Translation			
Prereq(s): CMS 270 and CMS 330.			
CMS 495 - Topics in Computer Science			
Prereq(s): CMS 270			
Notes:			