

SOUTHERN UNIVERSITY AND A&M COLLEGE
College of Engineering & Computer Science
Department of Computer Science
COMPUTER SCIENCE INFORMATION SYSTEM OPTION CURRICULUM SHEET
2012-2014 Catalog

Freshman Year					
First Semester			Second Semester		
Course	Number	Credit	Course	Number	Credit
Modular Programming I	CMPS 190	3	Modular Programming II	CMPS 191	3
English	ENGL 110	3	English	ENGL 111	3
History of Civilization	HIST 114	3	History of Civilization	HIST 115	3
Health/Physical Education	PHED	2	Analytical Geom. Cal II	MATH 265	4
Analytical Geom. Cal I	MATH 264	4	Freshman Seminar	FRMN 111	1
Freshman Seminar	FRMN 110	1			
Total		16	Total		14
Sophomore Year					
First Semester			Second Semester		
Course	Number	Credit	Course	Number	Credit
Discrete Structures	CMPS 200	3	Data Structures	CMPS 201	3
General Biology or Chemistry	BIOL/CHEM	4	English	ENGL 203	3
Linear Algebra	MATH 233	3	Bus Elective		3
General Physics	PHYS 221	3	General Physics	PHYS 222	3
General Physics Lab	PHYS 223	4	General Physics Lab	PHYS 224	1
			Statistics	MATH 276	1
Total		14	Total		16
Junior Year					
First Semester			Second Semester		
Course	Number	Credit	Course	Number	Credit
Programming Languages	CMPS 300	3	Digital Data Networks	CMPS 334	3
Computer Organization	CMPS 302	3	Object-Oriented Program	CMPS 370	3
CMPS Elective	CMPS	3	Software Engineering	CMPS 378	3
Foreign Language	FOLG 100	3	Foreign Language II	FOLG 101	3
Business Elective		3	Quantities Business Analysis	MGMT 306	
Total		15	Total		15
Senior Year					
First Semester			Second Semester		
Course	Number	Credit	Course	Number	Credit
Operating Systems	CMPS 400	3	Database Management Sys	CMPS 420	3
System Analysis	CMPS 415	3	Computer Science Seminar	CMPS 450	3
Business Elective		3	Social Science Elective		3
Humanities Elective	HUMN	3	CMPS Elective		3
Social Science elective		3	Arts Elective		3
Total		15	Total		15

The required total number of credit hours to fulfill all degree requirements is 120.