

DATE: 7/2012 MGH

Effective : FALL 2012

**JACKSON STATE UNIVERSITY  
CURRICULUM SHEET  
BACHELOR OF SCIENCE IN COMPUTER SCIENCE**

FRESHMAN YEAR

<b>FALL</b>			<b>SPRING</b>		
UNIV 100	University Success	2	CSC 119	Object-Oriented Programming	3
CSC 118	Programming Fundamentals	3	CSCL 119	Object-Oriented Prog. Lab	1
CSCL 118	Programming Fundamentals Lab	1	CSC 225	Discrete Structures	3
MATH 241	Calculus I with Lab	3	MATH 242	Calculus II with Lab	3
ENG 104	Composition	3	ENG 105	Composition	3
HIST 101	History of Civilization	3	HIST 102	History of Civilization	3
PE	Any 100-Level Activity Sport	1	PE	Any 100-Level Activity Sport	1
		16			17

SOPHOMORE YEAR

<b>FALL</b>			<b>SPRING</b>		
CSC 228	Data Structures & Algorithms	3	CSC 216	Computer Architecture and Organization	3
CSCL 228	Data Structures & Algor. Lab	1	CSCL 216	Computer Arch & Org. Lab	1
EN 212	Digital Logic	3	CSC 2__	Programming Language Elective	3
ENL 212	Digital Logic Lab	1	MATH 244	Calculus IV with Laboratory	3
MATH 243	Calculus III with Lab	3	CHEM 141	General Chemistry I	3
BIO 101	Introduction to Biology	2	CHML 141	General Chemistry I Lab	1
BIOL 101	Introduction to Biology Lab	1	ENG 213	Professional Writing	3
ENG 205	World Literature	3			
		17			17

JUNIOR YEAR

<b>FALL</b>			<b>SPRING</b>		
CSC 325	Operating Systems	3	CSC 350	Org. of Programming Lang.	3
CSC 323	Algorithm Design & Analysis	3	CSC 312	Adv. Computer Architecture	3
CSC 330	Database Systems	3	PHY 212	General Physics II	4
PHY 211	General Physics I	4	PHYL 212	General Physics II Lab	1
PHYL 211	General Physics I Lab	1	SPCH 201	Speech Arts	3
MATH 307	Probability & Statistics for Eng.	3	MFL	Modern Foreign Languages	3
		17			17

SENIOR YEAR

<b>FALL</b>			<b>SPRING</b>		
CSC 435	Computer Networks	3	CSC 450	Senior Project (W)	3
CSC 475	Software Engineering	3	CSC 4__	Computer Science Elective	3
CSC 441	Computer and Society (W,S)	3	PHIL 301	Introduction to Philosophy	3
	Humanities and Fine Arts	3		Social Science Option	3
	Option				
MFL	Modern Foreign Languages	3			12
		15			

**TOTAL HOURS REQUIRED FOR DEGREE: 128**

**Note:**

- (1) Students with an ACT English subtest score of 16 or less or who score below (340) verbal on the SAT must take ENG 002.
- (2) Students with an ACT Mathematics subtest score of 16 or less or who score below 370 (Math) on the SAT must take Math 004.
- (3) Students with an ACT Reading subtest score of 16 or less must take RE 002.
- (4) Students may need Pre-Calculus courses if indicated by math assessment score.
- (5) Students with no computer exposure must take CSC 115.
- (6) Laboratory courses must be taken during the same semester as lecture for Computer Science, Engineering, Biology, Chemistry, and Physics courses.
- (7) Students must satisfactorily pass the English Proficiency Examination.
- (8) Students must take two semesters of the same foreign language courses. Those students who have two years of the same high school foreign language courses and "C" or better grades are exempt from the foreign language requirement.
- (9) Students must take the ETS Major Field Examination in Computer Science.
- (10) A minimum grade of "C" is required in all Computer Science Courses. Prerequisite courses must be successfully completed before taking the next courses.