COMPUTER SCIENCE DEGREE PLAN
AY 2019-2020

In collaboration with: BROWARD COLLEGE

SEMESTER I

CODES	COURSE TITLE	CREDITS
GENC1301	Composition I	3
GHLP1201	Total Wellness	2
GREL1301	World Religions	3
GMAT1505	Calculus & Analytical Geometry I	5
COMP1401	Computer Programming	4
	Total	**17**

SEMESTER II

CODES	COURSE TITLE	CREDITS
GENC1302	Composition II	3
GMAT2506	Calculus & Analytical Geometry II	5
GMAT1310	Statistics	3
GSCI1405	General Physics with Calculus I	4
GSCI1105L	General Physics with Calculus I Lab	1
COMP1402	Object Oriented Programming	4
	Total	**20**

SEMESTER III

CODES	COURSE TITLE	CREDITS
GSPC1301	Introduction to Speech Communication	3
GECO2301	Principles of Macroeconomics	3
COMP2304	Linear Algebra	3
GSCI2406	General Physics with Calculus II	4
GSCI2106L	General Physics with Calculus II Lab	1
COMP2301	Discrete Mathematics	3
COMP2303	Digital Systems	3
	Total	**20**

SEMESTER IV

CODES	COURSE TITLE	CREDITS
GLIT2301	Introduction to Literature	3
GPSY2301	General Psychology	3
GEVR1301	Introduction to Environmental Science	3
COMP2304	Computer Architecture & Organization	3
COMP2405	Data Structures	4
COMP2306	Operating Systems	3
	Total	**19**

SEMESTER V

CODES	COURSE TITLE	CREDITS
COMP3307	Design & Analysis of Algorithm	3
COMP3408	Database Management Systems	4
COMP3309	Computer Networks & Data Communications	3
COMP3310	Information Theory	3
COMP3311	Software Engineering	3
STEM3304	Research Methods	3
	Total	**19**

SEMESTER VI

CODES	COURSE TITLE	CREDITS
COMP3312	Human Computer Interaction	3
COMP3313	Web Programming	3
COMP3314	Principles of Information Security	3
COMP3315	Artificial Intelligence	3
COMP3316	Automata Theory	3
COMP3317	Computer Sciences (CS) Seminar	3
	Total	**18**

SUMMER

CODES	COURSE TITLE	CREDITS
STEM4301	Internship for CS	3
	Total	**3**

SEMESTER VII

CODES	COURSE TITLE	CREDITS
GHUM1302	Bahasa Indonesia	2
MECH3318	Numerical Methods	3
COMP4320	CS Elective 1: Computer System Administrator	3
COMP4321	CS Elective 2: Machine Learning	3
COMP4322	CS Elective 3: Mobile Applications Development	3
COMP4318	Capstone Project 1 for CS	3
	Total	**17**

SEMESTER VIII

CODES	COURSE TITLE	CREDITS
GHUM1301	Pancasila	3
GHUM1207	Kewarganegaraan	2
	FET Elective	3
COMP4319	Capstone Project 2 for CS	3
	Total	**11**

TOTAL CREDIT HOURS FOR DEGREE PROGRAM 144

CS ELECTIVE	
Machine Learning	3
Mobile App Development	3
Computer System Administration	3