Curriculum | COMPUTER SCIENCE PROGRAM

SEMESTER I

CODES	COURSE TITLE	CREDITS
GSCI1303 & 1103L	General Chemistry I (with Lab)	4
GENG1301	Introduction to Engineering	3
GCOM 1304	Composition I	3
GSOC2304 GSOC2303 GSOC1301 GSOC2306	Social Problems Psychology Principles of Macroeconomics U.S. History Since 1877	3
GMAT1505	Calculus & Analytical Geometry I	5
	Total	**18**

SEMESTER II

CODES	COURSE TITLE	CREDITS
GMAT2506	Calculus & Analytical Geometry II	5
GSCI1405 & 1105L	General Physics with Calculus I + Lab	5
GCOM1305	Composition II	3
GHUM2304 GHUM1301 GHUM1303	Introduction to Literature Pancasila World Religion	3
ENGR 1301	Computer Programming for Engineering Applications	3
	Total	**19**

SEMESTER III

CODES	COURSE TITLE	CREDITS
COMP2424	Data Structures & Algorithms	4
COMP2303	Digital Systems	3
MTED3314	Discrete Mathematics	3
GMAT2507	Calculus & Analytical Geometry III	5
GSCI2406 & 2106L	General Physics with Calculus II + Lab	5
HED 102A	General Elective	0
	Total	**20**

SEMESTER IV

CODES	COURSE TITLE	CREDITS
COMP1402	Object Oriented Programming	4
GSCI2210	Introduction to Optics and Thermodynamics	2
COMP2304	Computer Organization & Architecture	3
GMAT2308	Introduction to Ordinary Differential Equations	3
VCDD4328 GHUM1306 VCDD1326	Indonesian Wayang Studies Basic Fundamentals of Drawing Design Thinking & Theory	3
GSOC2304 GSOC2303 GSOC1301 GSOC2306	Social Problems General Psychology Principles of Macroeconomics U.S. History Since 1877	3
HED 102B	General Elective	0
	Total	**18**

SEMESTER V

CODES	COURSE TITLE	CREDITS
COMP3423	Mathematics for Engineering Applications	4
COMP3408	Database Management Systems	4
ENGR3303	Environmental Ethics	3
COMP4322 COMP2306 COMP3313	Mobile Applications Development Operating Systems Web Programming	3
COMP3524	Basic Circuits	5
	Total	**19**

SUMMER

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

SEMESTER VI

CODES	COURSE TITLE	CREDITS
COMP3309	Computer Networks	3
COMP3325	Technical Elective: Computer Architecture & Design	3
COMP3326	Circuit Theory	3
GHUM2304 GHUM1301 GHUM1303	Intro to Literature Pancasila World Religion	3
GSOC2304 GSOC2303 GSOC1301 GSOC2306	Social Problems Psychology Principles of Macroeconomics U.S. History Since 1877	3
GHUM1207	Kewarganegaraan	2
GHUM1208	Bahasa Indonesia	2
	Total	**19**

SEMESTER VII

CODES	COURSE TITLE	CREDITS
STEM4302	Senior Capstone I	3
COMP3311	Software Engineering	3
COMP4427	Electronic Circuits	4
COMP4328	Intro. To Communications	3
COMP4429	Microprocessor Organization (with Lab)	4
	Total	**17**

SEMESTER VIII

CODES	COURSE TITLE	CREDITS
STEM4303	Senior Capstone II	3
COMP3315	Artificial Intelligence	3
COMP4330	Technical Elective: Knowledge System Engineering	3
COMP4331	Technical Elective: Fundamentals of Information and Network Security	3
COMP4332	Technical Elective: Computer Aided Logic Design	3
	Total	**15**

TOTAL CREDIT HOURS FOR DEGREE PROGRAM	148

In collaboration with: THE UNIVERSITY OF ARIZONA   BROWARD COLLEGE