



## 2016-2017 Bethune-Cookman University

### Computer Engineering : Total Semester Hours=128

#### Freshman Year

First Semester				Second Semester					
FC	110	Freshman Seminar I	1	FC	111	Freshman Seminar II	1		
EN	131	College English I*	3	EN	132	College English II	3		
MAT	241	Calculus I	3	MAT	242	Calculus 2	3		
MATL	241	Calculus I Lab	1	MATL	241	Calculus 2 Lab	1		
RELI	110	Understanding Faith	3	E	124	Introduction to Engineering	3		
CH	141	General Chemistry I	3	HI	130	African American History	3		
CHL	141	General Chemistry I Lab	1	HU 225 OR SS 245		Interdisciplinary Humanities OR Interdisciplinary Social Science	3		
PE	113	Health and Wellness	1						
			<b>Total</b>	16				<b>Total</b>	17

#### Sophomore Year

First Semester				Second Semester					
CS	230	Programming I	3	CS	231	Programming II	3		
CSL	230	Programming I Lab	1	CSL	231	Programming II Lab	1		
PH	251	Physics I	3	PH	252	Physics II	3		
PHL	251	Physics I Lab	1	PHL	252	Physics II Lab	1		
SC	230	Intro. Effective Oral Communications	2	E	230	Intro to Electric Circuits	3		
ML	131	Modern Language	3	EL	230	Intro to Electric Circuits Lab	1		
FC	280	Sophomore Seminar, Leadership	1	ML	132	Modern Language	3		
PHIL	230	Ethics	2	MAT	334	Differential Equations	3		
			<b>Total</b>	16				<b>Total</b>	18

#### Junior Year

First Semester				Second Semester					
E	335	Electronics I	3	E	333	Networked Autonomous Robotics	3		
EL	335	Electronics I Lab	1	EL	333	Networked Autonomous Robotics Lab	1		
CS	335	Discrete Structures	3	E	336	Electronics II	3		
CS	437	Digital Circuits	3	EL	336	Electronics II Lab	1		
CSL	437	Digital Circuits Lab	1	CS	336	Software Engineering	3		
CS	333	Data Structures	3	CS	438	Computer Architecture	3		
ENT	300	Junior Seminar: Entrepreneurship	1	MAT	337	Probability and Statistics	3		
			<b>Total</b>	15				<b>Total</b>	17

#### Senior Year

First Semester				Second Semester					
E	431	VLSI Design I	3	E	436	Digital Signal Processing	3		
EL	431	VLSI Design I Lab	1	EL	436	Digital Signal Processing Lab	1		
E	438	Programmable Digital Logic Des	3	E	498	Senior Design II	3		
EL	438	Programmable Digital Logic Des Lab	1	CS	340	Comp. Networks & Comm	3		
E	437	Microprocessor & Embedded System Des	3	CSL	340	Comp. Networks & Comm Lab	1		
EL	437	Microprocessor & Embed System Design	1	CS	433	Operating Systems	3		
E	497	Senior Design I	3						
			<b>Total</b>	15				<b>Total</b>	14

General Education Courses are in the shaded area.

\*Based on your placement testing scores, these courses may require prerequisites which may extend the number of semesters needed to complete degree requirements. These prerequisites do not count towards the degree for graduation. \*\***MARCHING BAND MEMBERS ONLY, MUST substitute PE Activity with MUB 110 Marching Band.**

\*\***ROTC MEMBERS ONLY, substitute PE Activity with MY 104 Basic Military Science and MYL 104 MY 104 Basic Military Science Lab. (ROTC)**