

## 2019-2020 Pathway for Bachelor of Science in Computer Engineering

*Please see your academic advisor to develop your individual plan. This is only meant to be a guide.*

**A maximum of 64 hours is transferable from a North Carolina Community College.**

Freshman/First Year							
First Semester - Fall				Second Semester - Spring			
CC Course	N.C. A&T Equivalent	Credit Hours	Required/Notes	CC Course	N.C. A&T Equivalent	Credit Hours	Required/Notes
ENG 111	ENGL 100	3	UGETC: Eng Comp - AA/AS	ENG 112	ENGL 101	3	UGETC: Eng Comp- AA/AS
	ECEN 101	3		MAT 272	MATH 132	4	GEN ED: Mathematics
	GEEN 111	1		PHY 251	PHYS 241	3	UGETC: Nat. Sci. – AS
EGR 150	GEEN 100	2	Pre-major/Elective		PHYS 251	1	
	COMP 163	3		CHM 151	CHEM 106	3	UGETC: Nat Sci - AA/AS
MAT 271	MATH 131	4	UGETC: Math - AS		CHEM 116	1	
<b>Total Credit Hours</b>		<b>16</b>		<b>Total Credit Hours</b>		<b>15</b>	

Sophomore/Second Year							
Third Semester - Fall				Fourth Semester - Spring			
CC Course	N.C. A&T Equivalent	Credit Hours	Required/Notes	CC Course	N.C. A&T Equivalent	Credit Hours	Required/Notes
	MATH 341	3	Pre-major/Elective	MAT 273	MATH 231	4	GEN ED: Mathematics
PHY 252	PHYS 242	3	UGETC: Nat. Sci. - AS		COMP 280	3	
	PHYS 252	1			ECEN 200	1	
	ECEN 227	3			ECEN 206	3	
	COMP 167	3			ECEN 323	3	
	ECEN 212	3			ECEN 329	1	
	ECEN 218	1					
<b>Total Credit Hours</b>		<b>17</b>		<b>Total Credit Hours</b>		<b>15</b>	

**Junior/Third Year**

**Fifth Semester - Fall**

**Sixth Semester - Spring**

CC Course	N.C. A&T Equivalent	Credit Hours	Required/Notes	CC Course	N.C. A&T Equivalent	Credit Hours	Required/Notes
See notes below <sup>1</sup>	Soc/Behav Sci. Elective	3		See notes below <sup>1</sup>	Knowledge of AA Culture and History	3	
	ECEN 300	3			ECEN 320	3	
	ECEN 306	1			ECEN 326	1	
	ECEN 351	1			ECEN 356	3	
	COMP 285	3			ECEN 375	3	
	ECEN 357	3			ECEN 400	3	
<b>Total Credit Hours</b>			<b>14</b>	<b>Total Credit Hours</b>			<b>16</b>

**Senior/Fourth Year**

**Seventh Semester - Fall**

**Eighth Semester - Spring**

CC Course	N.C. A&T Equivalent	Credit Hours	Required/Notes	CC Course	N.C. A&T Equivalent	Credit Hours	Required/Notes
	ECEN 478	3			ECEN 479	3	
	ECEN 421	3			COMP 350	3	
	Technical Elect	3			Technical Elect	3	
	Technical Elect	3			Technical Elect	3	
COM 110 <i>or</i> COM 111	SPCH 250	3	GEN ED: Comm <i>or</i> Pre-Major/Elective	See notes below <sup>1</sup>	Global Awareness	3	
<b>Total Credit Hours</b>			<b>15</b>	<b>Total Credit Hours</b>			<b>15</b>

**Total Required Hours: 123**

<sup>1</sup>Social/Behavioral Science Elective- Atleast (3) credits must come from the following Global Studies electives: HIS 111, HIS 112, HIS 121, HIS 122, BUS 240, **or** REL 110. ; atleast (3) credits must come from the following African-American studies: ENG 273, HIS 221, HIS 222, **or** HIS 223; atleast (3) credits must come from the following Social and Behavioral Sciences (SBS): ECO 251, ECO 252, HIS 131, HIS 132, HIS 221, HIS 222, HIS 223, HIS 111, HIS 112, HIS 121, HIS 122, POL 120, HEA 110, PSY 150, **or** SOC 210;

## **MAJOR PROGRAM REQUIREMENTS**

*Students must earn a C or better in the following courses:*

ECEN 101	ECEN 400
ECEN 200	ECEN 450
ECEN 206	ECEN 460
ECEN 212	ECEN 466
ECEN 300	ECEN 356
ECEN 306	ECEN 357
ECEN 320	ECEN 478
ECEN 325	ECEN 479
ECEN 326	COMP 163
ECEN 351	All Technical Electives

**All of your GEN ED and UGETC requirements are satisfied, if you have earned an Associate in Arts or Associate in Science Degree from a North Carolina Community College.**