

## 2019-2020 Pathway for Bachelor of Science in Mechanical 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.**

<b>Freshman/First Year</b>							
<b>First Semester - Fall</b>				<b>Second Semester - Spring</b>			
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
CHM 151	CHEM 106 & CHEM 116	4	UGETC: Nat. Sci.-AA/AS	PHY 251	PHYS 241 & PHYS 251	4	UGETC: Nat. Sci- AS
EGR 150	GEEN 100	2	Pre-Major/Elective	MAT 272	MATH 132	4	UGETC: Math- AS
EGR 131	GEEN 111	1			Global Awareness Elective	3	
MAT 271	MATH 131	4	UGETC: Math- AS				
DFT 153 or DFT 154	MEEN 104	2					
<b>Total Credit Hours</b>				<b>Total Credit Hours</b>			
<b>16</b>				<b>14</b>			

<b>Sophomore/Second Year</b>							
<b>Third Semester - Fall</b>				<b>Fourth Semester - Spring</b>			
CC Course	N.C. A&T Equivalent	Credit Hours	Required/Notes	CC Course	N.C. A&T Equivalent	Credit Hours	Required/Notes
MAT 273	MATH 231	4	GEN ED: Mathematics		AA Studies Elective	3	
MEC 276	MEEN 202	1		PHY 252	PHYS 242 & PHYS 252	4	UGETC: Nat. Sci.- AS
EGR 214	MEEN 210	3		EGR 228	MEEN 232	3	Pre-Major/Elective
EGR 220 <sup>1</sup> <i>or</i> EGR 251	MEEN 231	3	Pre-Major/Elective <sup>1</sup>	EGR 225	MEEN 233	3	Pre-Major/Elective
	MEEN 261	3			MEEN 241	3	
	ISEN 260	2					
<b>Total Credit Hours</b>				<b>Total Credit Hours</b>			
<b>16</b>				<b>16</b>			

<b>Junior/Third Year</b>
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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
	MEEN 267	1			ECEN 340	3	
MAT 285	MATH 341	3	Pre-Major Elective		MEEN 317	1	
	ISEN 370	3			MEEN 324	3	
	MEEN 316	3			MEEN 341	3	
	MEEN 363	3			MEEN 343	3	
	MEEN 361	3			MEEN 321	3	
<b>Total Credit Hours 16</b>				<b>Total Credit Hours 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
	Humanities Elective	3			MEEN 492 <sup>2</sup>	1	
	MEEN 424	3			MEEN 481 <sup>2</sup>	3	
	MEEN 421	3			MEEN 4XX Tech Elect. <i>or</i> Math/Science Elective	3	
	MEEN 425	1			Social Sci Elective	3	
	MEEN 480 <sup>1</sup>	3			MEEN 4XX Tech Elect.	3	
<b>Total Credit Hours 13</b>				<b>Total Credit Hours 13</b>			

**Total Required Hours: 120**

<sup>1</sup>This course is offered in the **FALL SEMESTER ONLY**

<sup>2</sup>This course are offered in the **SPRING SEMESTER ONLY**

**MAJOR PROGRAM REQUIREMENTS**

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

GEEN 100	MEEN 315
ECEN 340	MEEN 316
ISEN 260	CHEM 106
ISEN 370	MATH 131
MEEN 231	MATH 132
MEEN 232	MATH 231
MEEN 233	MATH 341
MEEN 241	PHYS 241
MEEN 261	PHYS 252

**Community College.**