

## 2019-2020 Pathway for Bachelor of Science in Agricultural and Environmental Systems (Environmental Studies)

*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
ACA 122	FRST 101	1		ENG 112 <i>or</i> ENG 113 <i>or</i> ENG 114	ENGL 101	3	UGETC: Eng Comp - AA/AS
ENG 111	ENGL 100	3	UGETC: Eng Comp - AA/AS	BIO 111	BIOL 101	4	UGETC Natural Sciences - AA/AS
ARG 160 <i>or</i> ANS 130 <i>or</i> HOR 162	NARS 110	3		CHM 131	CHEM 104	3	GED ED: Natural Science
MAT 171	MATH 101	4	UGETC: Math - AA/AS		CHEM 114	1	
PHS 110 <i>or</i> FIP 230	CHEM 100	3	Pre-Major/Elective	MAT 172	MATH 102	4	UGETC:Math - AS
	CHEM 110	1					
	NARS 100	1					
<b>Total Credit Hours</b>			<b>16</b>	<b>Total Credit Hours</b>			<b>15</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
HIS 221	HPED 200	2	Pre-Major Elective	HIS 223	HIST 107	3	Pre-Major/Elective
GEL 111 <i>or</i> PHS 130	ENVS 201	3	UGETC: Soc/Beh Sci - AA/AS		PHYS 101	3	
HIS 221 <i>or</i> HIS 22	HIST 106	3	Pre-Major/Elective		ASME 275	3	
BUS 240	PHIL 201	3		MAT 152	MATH 224	3	
COM 110 <i>or</i> COM 111	SPCH 250	3	Pre-Major Elective	GEO 110 <i>or</i> GEO 130 <i>or</i> GEO 131	GEOG 200	3	
	Non Major Elective	3					
<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
	WMI 333	1			ENVS 209	3	
	ENVS 344	3			NARS 472	1	
	PHYS 110	3			POLI 250	3	
	PHYS 111 lab	1			BIOE 216	3	
PSY 150	PSYC 101	3			OSH 394	3	
	ENVS 210	3			BIOE 323	3	
<b>Total Credit Hours 14</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
	ENVS 410	3			ENVS 422	3	
	NARS 498	3			ENVS 420	3	
	ANSC 413	3			ENVS 466	3	
	ENVS 444	3			Non Major Elective	3	
	ENVS 424	3					
<b>Total Credit Hours 15</b>				<b>Total Credit Hours 12</b>			

**Total Required Hours: 120**

MATH 111/112; CHEM 106/116; CHEM 107/117, PHYS 225/235 – Recommended for students who may wish to pursue graduate work.

The environmental studies curriculum is a combination of interdisciplinary courses in which students develop their creativity, analytical skills and imagination by discovering alternative ways of applying basic concepts of science, coupled with their liberal education to environmental problem solving and sustainability issues. The concentration incorporates breadth and depth in interdisciplinary courses in which students learn to integrate analytical perspectives in a focus area of student's interest.

## **MAJOR PROGRAM REQUIREMENTS**

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

ENVS 201	ENVS 444
ENVS 210	NARS 472
ENVS 410	NARS 498
ENVS 420	ASME 275
ENVS 422	WMI 333

**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.**

## **Suggested Elective and Substitution Courses**

ABM 438 – Resource and Environmental Economics and Policy  
ANSC 413 – Sanitation and Diseases of Farm Animals  
AREN 221 – Building Sanitation and Fire Protection  
AREN 470 – Energy and the Environment  
CIEN 212 – Fundamental Principles in Environmental Engineering  
CIEN 416 – Solid Waste Management  
FCS 346 – Food Safety and Sanitation  
LASC 365 – Biology, Diseases and Care of Laboratory Animal  
NARS 250 – Insects, Man and Environment  
OSH 201 – Introduction to Environmental Health and Safety  
OSH 210 – Industrial Accident Prevention  
OSH 230 – Trans Hazardous Material