

## 2019-2020 Pathway for Bachelor of Science in Agricultural and Environmental Systems (Sustainable Land And Food Systems)

*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 <sup>1</sup>	3	UGETC: Eng Comp	ENG 112	ENGL 101 <sup>1</sup>	3	UGETC: Eng Comp
MAT 171	MATH 101	3			CHEM 103	3	UGETC: Nat. Science
	NARS 100 <sup>1</sup>	1			MATH 102	3	
	NARS110	3			GA Elective	3	
AA Studies Elect <sup>1</sup>	AA Studies Elective <sup>4</sup>	3		GA Elective <sup>2</sup>	Social Behavioral Science	3	
ACA 122	FRST 101 <sup>5</sup>	1	AA/AS Req. Course	Social Behavioral Science	NARS	1	
<b>Total Credit Hours</b>		<b>14</b>		<b>Total Credit Hours</b>		<b>16</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
CHEM 151	CHEM 106 <sup>2</sup>	3	UGETC: Nat. Sci.	BIO 111	SLMG 200	4	UGETC: Nat. Science
	CHEM 116 <sup>2</sup>	1			SPCH 250	3	UGETC: Math
BIO 111	BIOL 101	3	GEN ED: Comm		MATH 224	3	
	HORT 210	4			PHYS 111	1	
HFA Elective <sup>3</sup>	HFA Elective	3			PHYS 110	2	
					Elective	3	
<b>Total Credit Hours</b>		<b>14</b>		<b>Total Credit Hours</b>		<b>16</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
AGR 170 or AGR 261 or HOR 166	SLMG 300	3			ABM 330	3	
	HORT 301	3			HORT 334	3	
	Concentration Elective	9			HORT400	3	
					Concentration Elective	6	
<b>Total Credit Hours</b>		<b>15</b>		<b>Total Credit Hours</b>		<b>15</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
	HORT 420	3			NARS 487	3	
	HORT 422	3			HORT 430	3	
	AGRI 400	3			Concentration Electives	9	
	Concentration Elective	6					
<b>Total Credit Hours</b>		<b>15</b>		<b>Total Credit Hours</b>		<b>15</b>	

**Total Required Hours: 120**

## **Required Courses for Concentration**

<b>NARS 100:</b> Department Orientation (F)	<b>HORT 210:</b> The Science of Plants (F)
<b>NARS 110:</b> Intro To Urban Community Horticulture	<b>HORT 301:</b> Disease Management Strategies (F)
<b>NARS 225:</b> Scientific Presentation (S)	<b>HORT 334:</b> Plant Propagation (S)
<b>NARS 487:</b> Capstone (S)	<b>HORT 400:</b> Adv. Tech Hort Crop Improve. (S)
<b>SLMG 300:</b> Fundamentals of Soil Health (F)	<b>HORT 422:</b> Integrated Pest Management (F)
<b>ABM 330:</b> Applied Economics Agribusiness (S)	<b>HORT 430:</b> Plant Nutrition (S)
<b>AGRI 400:</b> Sustainable Food Systems (F)	<b>HORT 420:</b> Vegetables for Small-scale Prod. (F)

## **Required Course for :**

<b>SLMG 350:</b> Monitoring and Mgmt. Soil Health (S)	<b>HORT 350:</b> Factors Affecting Sustain. Food (F)
<b>SLMG 400:</b> Soil Eco and Enviro Microbiology (F)	<b>HORT 351:</b> Practice in Sustainable Food (S)
<b>SLMG 450:</b> Sustainable Food Systems (F)	<b>HORT 402:</b> Grape and Small Fruits (S)
<b>BIOE 204:</b> Principles of Land Surveying (FS)	<b>HORT 410:</b> Season Extension (F)

## **Sustainable Land and Food Systems Electives**

<b>ARGI 499:</b> Undergraduate Research (FS)	<b>FCS:157</b> Intro to Human Nutrition (F/S)
<b>ENVS 410:</b> Sustainable Earth (S)	<b>FCS 455:</b> Cultural Aspects of Food (FS)
<b>ENVS 344:</b> Environmental Sustainability (F)	<b>FCS 245:</b> Intro to Food Science (FS)
<b>BIOE 216:</b> Geographic Info Systems (S)	<b>FCS 346:</b> Food Safety and Sanitation (S)
<b>BIOE 114:</b> Home and Farm Maintenance (F)	<b>ABM 440:</b> Alternative Markets Local Food (S)
<b>MGMT 343:</b> Entrepreneurship (FS)	<b>ABM 337:</b> Intro Local Food Systems (F)
<b>NARS 250:</b> Insects Man Environment (F)	<b>ABM 450:</b> Agricultural Cooperatives (S)
<b>HORT 403:</b> Specialty Crops (S)	<b>ENVS 201:</b> The Earth's Environment

## **MAJOR PROGRAM REQUIREMENTS**

NARS 100	SLMG 300
NARS 101	HORT 334
HORT 210	HORT 400
NARS 225	NARS 487
SLMG 200	HORT 430
HORT 301	HORT 420
HORT 422	