

Agricultural Education (BS): Horticultural Science (11AGEDBS- 11AGEDHS)

Freshman Year

Fall Semester	Credit	Spring Semester	Credit
AEE 101 Intro to CTE ⁵	1	AEE 226 Comp. Appl. & Info Technology ⁴	3
AEE 103 Foundations of AEE ¹	1	ANS 150 Intro to Animal Science	3
BIO 181 Introductory Biology- ECO /DIV ^B	4	ANS 151 Intro to Animal Science Lab	1
COM 110 Public Speaking	3	BIO 183 Intro Biology-Cell/Molecular ^B	4
ENG 101 Academic Writing and Research ^H	4	GEP Mathematical Sci. Elective ^A	3
GEP Mathematical Sci. Elective ^A	3	HES_*** Health & Exercise Studies Course ^E	1
HES_*** Health & Exercise Studies Course ^E	1		
	17		15

Sophomore Year

Fall Semester	Credit	Spring Semester	Credit
AEE 206 Intro to Teaching Agriculture ⁴	3	CH 101 Chemistry-A Molecular Sci. ^B	3
HS 201 Principles of Horticulture	3	CH 102, Chemistry Lab ^B	1
AES 201 Shop Processes & Mgmt or TDE 110, Materials and Processes Tech	3	CS 211, Plant Genetics or HS 215, Agricultural Genetics or ANS 215	3
Economics Elective ^{2,D}	3	Horticultural Science Elective	3
Humanities Elective ^C	3	GEP Addit. Breadth: Math/Nat. Sci Elect ^F	3
	15		13

Junior Year

Fall Semester	Credit	Spring Semester	Credit
AEE 322 Experiential Learning in Agric ⁶	3	AEE 303 Admin & Sup of Student Org. ⁶	3
HS 301 Plant Propagation	4	AEE 326 Teach Diverse Learners Agric ⁶	3
EDP 304 Educational Psychology ⁶	3	ED 311 Classroom Assessment ⁶	2
SSC 200 Soil Science	3	ED 312 Classroom Assessment Lab ⁶	1
SSC 201 Soil Science Lab	1	ELP School and Society ⁶	3
Interdisc. Persp. GEP Elective ⁶	3	Horticulture Elective ⁵	3
	17		15

Senior Year

Fall Semester	Credit	Spring Semester	Credit
AEE 327 Conduct Summer Prog in AED	1	AEE 424 Planning Agric Educ. Programs ⁶	3
AEE 426 Methods of Teaching Agric ⁶	3	AEE 427 Student Teaching in Agriculture ⁶	8
HS 411 Nursery Management or HS 440 Greenhouse Management	3	AEE 491 Seminar in Agricultural Education	1
GEP Humanities Elective ^c	3		
Interdisc. Persp. GEP Elective ⁶	2		
Free Electives ⁵	4		
	16		12

Minimum Credit Hours Required for Graduation*:

120

Major/Program Footnotes

- 1 Incoming freshmen complete AEE 103. Transfer students may complete ALS 103 or ALS 303.
- 2 Select from ARE 201, EC 201, or EC 205. Satisfies 3 credit hours of the Social Science GEP requirement.
- 3 Select from HS 421, HS 422, or HS 431.
- 4 Minimum grade of C- is required for graduation. Minimum grade of C is required for teacher licensure.
- 5 Total hours of free electives vary in order to allow the minimum hours required for the degree to equal 120 hours.

*** General Education Program (GEP) requirements and GEP Footnotes**

To complete the requirements for graduation and the General Education Program, the following category credit hours and co-requisites must be satisfied. University approved GEP course lists for each of the following categories can be found at <https://oucc.dasa.ncsu.edu/general-education-program-gep/gep-category-requirements/>

A. Mathematical Sciences (6 credit hours – one course with MA or ST prefix)

*Choose from the University approved GEP Mathematical Sciences course list or the following course(s) if completed as part of the Major requirements may fulfill part or all of this requirement: **none**.*

B. Natural Sciences (7 credit hours – include one laboratory course or course with a lab)

*Choose from the University approved GEP Natural Sciences course list or the following course(s) if completed as part of the Major requirements may fulfill part or all of this requirement: **BIO 181, BIO 183, CH 101, CH 102***

C. Humanities (6 credit hours selected from two different disciplines/course prefixes)

*Choose from the University approved GEP Humanities course list or the following course(s) if completed as part of the Major requirements may fulfill part or all of this requirement: **none**. Some of the courses in this category will fulfill the US Diversity & Global Knowledge co-requisites.*

D. Social Sciences (6 credit hours selected from two different disciplines/course prefixes)

*Choose from the University approved GEP Social Sciences course list or the following course(s) if completed as part of the Major requirements may fulfill part or all of this requirement: **ARE 201 or EC 201, or EC 205***
Some courses in this category will fulfill the US Diversity & Global Knowledge co-requisite.

E. Health & Exercise Studies (2 credit hours – at least one 100-level Health & Exercise Studies Course)

Choose from the University approved GEP Health & Exercise Studies course list.

F. Additional Breadth - (3 credit hours to be selected from the following checked University approved GEP course lists)

 Humanities/Social Sciences/Visual and Performing Arts or **X** Mathematical Sciences/Natural Sciences/Engineering

G. Interdisciplinary Perspectives (5-6 credit hours)

*Choose from the University approved GEP Interdisciplinary Perspectives course list or the following course(s) if completed as part of the Major requirements may fulfill part or all of this requirement: **none**.*

H. Introduction to Writing (4 credit hours satisfied by completing ENG 101 with a C- or better)

The following **Co-Requisites** must be satisfied to complete the General Education Program requirements:

I. U.S. Diversity (USD)

*Choose from the University approved GEP U.S. Diversity course list or choose a course identified on the approved GEP course lists as meeting the U.S. Diversity (USD) co-requisite. The following course(s) completed as part of the Major requirements may fulfill this requirement: **none***

J. Global Knowledge (GK)

*Choose from the University approved GEP Global Knowledge course list or choose a course identified on the approved GEP course lists as meeting the Global Knowledge (GK) co-requisite. The following course(s) completed as part of the Major requirements may fulfill this requirement: **none***

K. Foreign Language proficiency - Proficiency at the FL_102 level is required for graduation.