

# Agricultural Education (BS): Agricultural Business Concentration

To see more about what you will learn in this program, visit the Learning Outcomes website (<https://apps.oirp.ncsu.edu/pgas/>)!

The Agricultural Education major within the Department of Agricultural and Human Sciences prepares graduates to teach agriculture, serve as FFA advisors, and supervise agricultural experiences (SAE) in public and private schools.

The Agricultural Business concentration is one of seven concentrations offered for the Bachelor of Science in Agricultural Education.

- New students interested in Agricultural Education may be eligible to apply for the North Carolina Teaching Fellows Program at NC State.
- Student teachers of agriculture may apply for Ed Scholars through NC State.
- Many alumni pursue careers in middle and high schools, universities and community colleges, county extension offices, and in the agricultural industry.

## Teacher Licensure

Completion of the B.S. program in Agricultural Education leads to teacher licensure in North Carolina for grades 6-12. Because of North Carolina's reciprocity agreements, graduates also can pursue certification in about 35+ states. Download the Teacher Licensure Checklist (<https://cals.ncsu.edu/agricultural-and-human-sciences/wp-content/uploads/sites/13/2017/06/Teacher-Licensure-Checklist.pdf>) to review the requirements for admissions to teacher education candidacy and help you stay on course.

For more information about this program, including contact information, visit our website (<https://cals.ncsu.edu/agricultural-and-human-sciences/undergraduate/#agricultural-education-major>).

## Contact

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## Plan Requirements

Code	Title	Hours	Counts towards
<b>Orientation</b>			
AEE 103	Fundamentals of Agricultural and Extension Education	1	
or ALS 103	Freshman Transitions and Diversity in Agriculture & Life Sciences		
or ALS 303	Transfer Transitions and Diversity in Agriculture & Life Sciences		
<b>Communication</b>			
COM 110	Public Speaking	3	

## Sciences

BIO 181	Introductory Biology: Ecology, Evolution, and Biodiversity	4
BIO 183	Introductory Biology: Cellular and Molecular Biology	4
CH 101 & CH 102	Chemistry - A Molecular Science and General Chemistry Laboratory	4

## Agricultural Education

AEE 101	Introduction to Career and Technical Education <sup>1</sup>	1
AEE 206	Introduction to Teaching Agriculture <sup>1</sup>	3
AEE 226	Computer Applications and Information Technology in Agricultural & Extension Ed <sup>1</sup>	3
AEE 303	Administration and Supervision of Student Organizations <sup>1</sup>	3
AEE 322	Experiential Learning in Agriculture <sup>1</sup>	3
AEE 326	Teaching Diverse Learners in AED <sup>1</sup>	3
AEE 327	Conducting Summer Programs in Agricultural Education	1
AEE 424	Planning Agricultural Educational Programs <sup>1</sup>	3
AEE 426	Methods of Teaching Agriculture <sup>1</sup>	3
AEE 427	Student Teaching in Agriculture <sup>1</sup>	8
AEE 491	Seminar in Agricultural Education	1

## Teaching Content Courses

BAET 201	Shop Processes and Management	3
or TDE 110	Materials & Processes Technology	
Plant Science Elective (p. 2)		3
ANS 150 & ANS 151	Introduction to Animal Science and Introduction to Animal Science Lab	4
SSC 200 & SSC 201	Soil Science and Soil Science Laboratory	4
<b>Professional Education</b>		
EDP 304	Educational Psychology <sup>1</sup>	3
ELP 344	School and Society <sup>1</sup>	3
ED 311	Classroom Assessment Principles and Practices <sup>1</sup>	2
ED 312	Classroom Assessment Principles and Practices Professional Learning Lab <sup>1</sup>	1
<b>Concentration Electives</b>		
ARE 215	Small Business Accounting	3
or BUS 225	Personal Finance	
ARE 303	Farm Management	3
or ARE 304	Agribusiness Management	
ARE 306	Agricultural Law	3
or ARE 309	Environmental Law & Economic Policy	
ARE 311	Agricultural Markets	3
or ARE 312	Agribusiness Marketing	
ARE 321	Agricultural Financial Management	3
or ARE 332	Human Resource Management for Agribusiness	
ARE, BUS or EC Elective (p. 6)		3
Select one of the following		3
Economics electives:		
ARE 201	Introduction to Agricultural & Resource Economics	
ARE 201A	Introduction to Agricultural & Resource Economics	

EC 201	Principles of Microeconomics	
EC 205	Fundamentals of Economics	

**GEP Courses**

ENG 101	Academic Writing and Research <sup>1</sup>	4
GEP Humanities ( <a href="http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-humanities/">http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-humanities/</a> )		6
GEP Mathematical Sciences ( <a href="http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-mathematical-sciences/">http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-mathematical-sciences/</a> )		6
GEP Health and Exercise Studies ( <a href="http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-health-exercise-studies/">http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-health-exercise-studies/</a> )		2
GEP US Diversity, Equity, and Inclusion ( <a href="http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-usdei/">http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-usdei/</a> )		3
GEP Interdisciplinary Perspectives ( <a href="http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-interdisciplinary-perspectives/">http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-interdisciplinary-perspectives/</a> )		5
GEP Global Knowledge ( <a href="http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-global-knowledge/">http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-global-knowledge/</a> ) (verify requirement)		
Foreign Language Proficiency ( <a href="http://catalog.ncsu.edu/undergraduate/gep-category-requirements/foreign-language-proficiency/">http://catalog.ncsu.edu/undergraduate/gep-category-requirements/foreign-language-proficiency/</a> ) (verify requirement)		
<b>Free Electives</b>		
Free Electives (12 Hr S/U Lmt) <sup>2</sup>		2
<b>Total Hours</b>		<b>120</b>

<sup>1</sup> A grade of C- or higher is required.<sup>2</sup> Courses graded "S" for Satisfactory are allowed.<sup>3</sup> Students should consult their academic advisors to determine which courses fill this requirement.**Plant Science Electives**

Code	Title	Hours	Counts towards
AEC 423	Introduction to Fisheries Sciences Laboratory	1	
ANS 215	Agricultural Genetics	3	

CS 200	Introduction to Turfgrass Management	4	CS 518	Introduction to Regulatory Science in Agriculture	3
CS 210	Lawns and Sports Turf	3	CS 524	Seed Physiology	3
CS 211	Plant Genetics	3	CS 541	Plant Breeding Methods	3
CS 213	Crop Science	3	CS 565	Turf Management Systems and Environmental Quality	3
CS 214	Crop Science Laboratory	1	CS 590	Special Topics	1-6
CS 216	Southern Row Crop Production - Cotton, Peanuts, and Tobacco	3	CS 591		1-6
CS 218	Southern Row Crop Production - Corn, Small Grains and Soybeans	3	CSSC 492	Professional Internship Experience in Crop and Soil Sciences	1-3
CS 224	Seeds, Biotechnology and Societies	3	ENT 402	Forest Entomology	3
CS 230	Introduction to Agroecology	3	ENT 470	Advanced Turfgrass Pest Management	2
CS 251	Production of Forage Crops	3	FOR 150	Critical Thinking and Data Analysis	2
CS 400	Turf Cultural Systems	3	FOR 172	Forest System Mapping and Mensuration I	2
CS 410	Community Food Systems	3	FOR 204	Silviculture	2
CS 411	Crop Ecology	3	FOR 248	Forest History, Technology and Society	3
CS 413	Plant Breeding	2	FOR 250	Professional Development II: Communications in Natural Resources	1
CS 414	Weed Science	4	FOR 252	Introduction to Forest Science	3
CS 415	Integrated Pest Management	3	FOR 260	Forest Ecology	4
CS 418	Introduction to Regulatory Science in Agriculture	3	FOR 261	Forest Communities	2
CS 424	Seed Physiology	3	FOR 264	Forest Wildlife	1
CS 430	Advanced Agroecology	4	FOR 265	Fire Management	1
CS 465	Turf Management Systems and Environmental Quality	3	FOR 273	Forest System Mapping and Mensuration II	3
CS 470	Advanced Turfgrass Pest Management	2	FOR 293	Independent Study in Forest Management	1-6
CS 480	Sustainable Food Production (capstone)	1	FOR 294	Independent Study in Forest Management	1-6
CS 502	Plant Disease: Methods & Diagnosis	2	FOR 295	Special Topics in Forestry	1-6

FOR 303	Silvics and Forest Tree Physiology	3	FOR 491	Special Topics in Forestry and Related Natural Resources	1-4
FOR 304	Theory of Silviculture	4	FOR 493	Independent Study in Forest Management	1-6
FOR 318	Forest Pathology	3	FOR 494	Independent Study in Forest Management	1-6
FOR 319	Forest Economics	3	FOR 501	Dendrology	3
FOR 330	North Carolina Forests	3	FOR 502	Forest Measurements	1
FOR 334	Operations Research Applications in Natural Resources	1	FOR 503	Tree Physiology	1
FOR 339	Dendrology	4	FOR 504	The Practice of Silviculture	3
FOR 350	Professional Development III: Ethical Dilemmas in Natural Resource Management	1	FOR 505	Forest Management	4
FOR 353	GIS and Remote Sensing for Environmental Analysis and Assessment	3	FOR 506	Silviculture Laboratory	1
FOR 374	Forest Measurement, Modeling, and Inventory	3	FOR 507	Silviculture Mini Course	1
FOR 402	Forest Entomology	3	FOR 508	Applied Forest Ecology: Natural Forest Silviculture	3
FOR 405	Forest Management	4	FOR 509	Forest Resource Policy	1
FOR 406	Forest Inventory, Analysis and Planning	4	FOR 510	Introduction to GPS	1
FOR 408	Applied Forest Ecology: Natural Forest Silviculture	3	FOR 513	Silviculture for Intensively Managed Plantations	3
FOR 411	Forest Tree Genetics and Biology	3	FOR 514	Woodland Stewardship	3
FOR 414	World Forestry	3	FOR 519	Forest Economics	3
FOR 415	World Forestry Study Tour	1	FOR 520	Watershed and Wetlands Hydrology	4
FOR 420	Watershed and Wetlands Hydrology	4	FOR 522	Consulting Forestry	3
FOR 422	Consulting Forestry	3	FOR 531	Wildland Fire Science	3
FOR 430	Forest Health and Protection	3	FOR 532	Wildland Firefighter	3
FOR 434	Forest Operations and Analysis	3	FOR 534	Forest Operations and Analysis	3
FOR 472	Forest Soils	4	FOR 540	Advanced Dendrology	3
			FOR 561	Forest Communities of the Southeastern Coastal Plain	1

FOR 562	Forest Communities of the Southern Appalachians	1
FOR 565	Plant Community Ecology	4
FOR 574	Forest Mensuration and Modeling	3
FOR 575	Advanced Terrestrial Ecosystem Ecology	3
FOR 583	Tropical Forestry	3
FOR 595	Special Topics	1-6
FS 462	Postharvest Physiology	3
FS 562	Postharvest Physiology	3
FW 221	Conservation of Natural Resources	3
FW 404	Wildlife Habitat Management	3
GIS 512	Introduction to Environmental Remote Sensing	3
HS 200	Home Horticulture	3
HS 201	The World of Horticulture: Principles and Practices	3
HS 202	Home Plant Identification	3
HS 203	Home Plant Propagation	3
HS 204	Home Landscape Maintenance	3
HS 205	Home Food Production	3
HS 215	Agricultural Genetics	3
HS 242	Introduction to Small Scale Landscape Design	3
HS 250	Home Landscape Design: Creating Garden Spaces	3
HS 252	Landscape Graphic Communication	2
HS 272	Landscape Design/Build	6
HS 280	Hands-On-Horticulture	3

HS 290	Horticulture: Careers and Opportunities	1
HS 301	Plant Propagation	4
HS 302	Gardening with Herbaceous Perennials	3
HS 303	Ornamental Plant Identification I	3
HS 304	Ornamental Plant Identification II	3
HS 357	Landscape Grading and Drainage	4
HS 400	Residential Landscaping	6
HS 410	Community Food Systems	3
HS 411	Nursery Management	3
HS 416	Planting Design	4
HS 418	Digital Media Graphic for Landscape Designers	3
HS 420	Green Infrastructure	3
HS 421	Temperate-Zone Tree Fruits: Physiology and Culture	3
HS 422	Small Fruit Production	3
HS 423		3
HS 428	Service-Learning in Urban Agriculture Systems	1
HS 431	Vegetable Production	4
HS 432	Introduction to Permaculture	3
HS 433	Public Garden Administration	3
HS 440	Greenhouse Management	3
HS 442	Floriculture Crop Production	3
HS 451	Plant Nutrition	3
HS 462	Postharvest Physiology	3
HS 471	Landscape Ecosystem Management	4
HS 475	Horticulture Entrepreneurship	3

HS 476	Crop Physiology and Production in Controlled Environments	3
HS 491	Sustainable Agriculture Entrepreneurship Study Abroad	3
HS 492	Horticulture Internship	1-3
HS 493	Research Experience in Horticultural Science	1-3
HS 495	Experimental Courses in Horticultural Science	1-6
HS 502	Plant Disease: Methods & Diagnosis	2
HS 516	Planting Design	4
HS 520	Green Infrastructure	3
HS 521	Temperate-Zone Tree Fruits: Physiology and Culture	3
HS 523		3
HS 532	Introduction to Permaculture	3
HS 533	Public Garden Administration	3
HS 541	Plant Breeding Methods	3
HS 550	Environmental Nursery Production	3
HS 551	Plant Nutrition	3
HS 562	Postharvest Physiology	3
HS 576	Crop Physiology and Production in Controlled Environments	3
HS 590	Special Problems in Horticultural Science	1-6
NR 420	Watershed and Wetlands Hydrology	4
NR 460	Renewable Natural Resource Management and Policy	3

NR 491	Special Topics in Forestry and Related Natural Resources	1-4
NR 520	Watershed and Wetlands Hydrology	4
NR 560	Renewable Natural Resource Management and Policy	3
PP 318	Forest Pathology	3
PP 470	Advanced Turfgrass Pest Management	2
PP 502	Plant Disease: Methods & Diagnosis	2
SMT 202	Anatomy and Properties of Renewable Materials	3
SSC 428	Service-Learning in Urban Agriculture Systems	1
SSC 440	Geographic Information Systems (GIS) in Soil Science and Agriculture	3
SSC 462	Soil-Crop Management Systems	3
SSC 540	Geographic Information Systems (GIS) in Soil Science and Agriculture	3

### ARE/BUS/EC Electives

Code	Title	Hours	Counts towards
ARE 215	Small Business Accounting	3	
ARE 260	Marketing and Risk Management in the Pork Industry	1	
ARE 270	Principles of Agribusiness Entrepreneurship	3	
ARE 295	Special Topics in Agricultural & Resource Economics (200 Level)	1-6	
ARE 301	Intermediate Microeconomics	3	

ARE 303	Farm Management	3	ARE 448	International Agricultural Trade	3
ARE 304	Agribusiness Management	3	ARE 455	Agribusiness Analytics	3
ARE 306	Agricultural Law	3	ARE 470	Agribusiness Entrepreneurship	3
ARE 309	Environmental Law & Economic Policy	3		Clinical Skills Development	
ARE 311	Agricultural Markets	3	ARE 475	Food Policy	3
ARE 312	Agribusiness Marketing	3	ARE 490	Career Seminar in Agriculture & Resource Economics	1
ARE 321	Agricultural Financial Management	3	ARE 492	External Learning Experience	1-6
ARE 323	Agribusiness Finance	3	ARE 493	Special Problems/ Research Exploration	1-6
ARE 332	Human Resource Management for Agribusiness	3	ARE 494	Agribusiness Study Abroad	1-6
ARE 336	Introduction to Resource and Environmental Economics	3	ARE 495	Special Topics in Agricultural and Resource Economics	1-6
ARE 345	Global Agribusiness Management	3	ARE 590	Special Topics in ARE	1-99
ARE 370	Agribusiness New Venture Development	3	BUS 225	Personal Finance	3
ARE 395	Special Topics in Agricultural and Resource Economics (300 level)	1-6	BUS 295	Special Topics in Business Management	1-6
ARE 404	Advanced Agribusiness Management	3	BUS 320	Financial Management	3
ARE 412	Advanced Agribusiness Marketing	3	BUS 340	Information Systems Management	3
ARE 413	Applied Agribusiness Marketing	3	BUS 350	Economics and Business Statistics	3
ARE 415	Introduction to Commodity Futures Markets	3	BUS 351	Predictive Analytics for Business	3
ARE 420	Taxation in Agriculture, Production, and Agribusiness	3	BUS 360	Marketing Methods	3
ARE 425	Contracts and Organizations in Agriculture	3	BUS 370	Operations and Supply Chain Management	3
ARE 433	U.S. Agricultural Policy	3	BUS 420	Financial Management of Corporations	3
ARE 444	Ethics in Agribusiness	3	BUS 422	Investments and Portfolio Management	3
			BUS 425	Advanced Personal Financial Management	3

BUS 426	International Financial Management	3	BUS 474	Logistics Management	3
BUS 428	Financial Analytics	3	BUS 475	Purchasing and Supply Management	3
BUS 429	Financial Modeling	3	BUS 476	Decision Modeling and Analysis	3
BUS 440	Database Management	3	BUS 479	Supply Chain Management Undergraduate Practicum	3
BUS 441	Business Data Communications and Networking	3	BUS 495	Special Topics in Business Management	1-6
BUS 442	Information Systems Development	3	BUS 498	Independent Study in Business Management	1-6
BUS 443	Web Development for Business Applications	3	BUS 501	Strategic Management Foundations	3
BUS 444	Systems Analysis and Design	3	BUS 554	Project Management	3
BUS 449	Information Technology Capstone	3	BUS 571	High Growth Entrepreneurship	3
BUS 458	Analytics: From Data to Decisions	3	BUS 590	Special Topics In Business Management	1-6
BUS 459	Business Analytics Practicum	3	EC 202	Principles of Macroeconomics	3
BUS 460	Consumer Behavior	3	EC 301	Intermediate Microeconomics	3
BUS 461	Channel and Retail Marketing	3	EC 302	Intermediate Macroeconomics	3
BUS 462	Marketing Research	3	EC 305	A Closer Look at Capitalism	3
BUS 464	International Marketing	3	EC 336	Introduction to Resource and Environmental Economics	3
BUS 465	Traditional and Digital Brand Promotion	3	EC 348	Introduction to International Economics	3
BUS 466	Personal Selling	3	EC 351	Econometrics I	3
BUS 467	Product and Brand Management	3	EC 404	Money, Financial Markets, and the Economy	3
BUS 468	Marketing Strategy	3	EC 410	Public Finance	3
BUS 469	Digital Marketing Practicum	3	EC 413	Industrial Organization	3
BUS 470	Operations Modeling and Analysis	3	EC 431	Labor Economics	3
BUS 472	Operations Planning and Control Systems	3	EC 449	International Finance	3
BUS 473	Supply Chain Strategy	3	EC 451	Econometrics II	3
			EC 468	Game Theory	3



EC 474	Economics of Financial Institutions and Markets	3
EC 490	Research Seminar in Economics	3
EC 495	Special Topics in Economics	1-6
EC 498	Independent Study in Economics	1-6
FTM 482	Global Brand Management in Textiles and Apparel	3
M 100	Personal and Professional Identity Development	1
MBA 577	Technology Entrepreneurship and Commercialization II	3
MIE 201	Introduction to Business Processes	3
MIE 305	Legal and Regulatory Environment	3
MIE 310	Introduction to Entrepreneurship	3
MIE 330	Human Resource Management	3
MIE 335	Organizational Behavior	3
MIE 412	Finance and Accounting for Entrepreneurs	3
MIE 413	New Venture Planning	3
MIE 419	Entrepreneurship Practicum	3
MIE 432	Labor and Employee Relations	3
MIE 434	Compensation Systems	3
MIE 435	Leadership and Management	3
MIE 436	Training and Development	3
MIE 438	Staffing	3
MIE 480	Business Policy and Strategy	3

MSE 577	Technology Entrepreneurship and Commercialization II	3
PRT 406	Sports Law	3
ST 350	Economics and Business Statistics	3

## Semester Sequence

This is a sample.

### First Year

Fall Semester		Hours
AEE 101	Introduction to Career and Technical Education <sup>1</sup>	1
AEE 103	Fundamentals of Agricultural and Extension Education <sup>2</sup>	1
BIO 181	Introductory Biology: Ecology, Evolution, and Biodiversity	4
ENG 101	Academic Writing and Research <sup>1</sup>	4
GEP Mathematical Sciences ( <a href="http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-mathematical-sciences/">http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-mathematical-sciences/</a> )		3
GEP Health and Exercise Studies ( <a href="http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-health-exercise-studies/">http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-health-exercise-studies/</a> )		1
<b>Hours</b>		<b>14</b>

### Spring Semester

AEE 226	Computer Applications and Information Technology in Agricultural & Extension Ed <sup>1</sup>	3
BIO 183	Introductory Biology: Cellular and Molecular Biology	4
COM 110	Public Speaking	3
Economics Elective (p. 1)		3
GEP Mathematical Sciences ( <a href="http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-mathematical-sciences/">http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-mathematical-sciences/</a> )		3
GEP Health and Exercise Studies ( <a href="http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-health-exercise-studies/">http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-health-exercise-studies/</a> )		1
<b>Hours</b>		<b>17</b>

### Second Year

Fall Semester		Hours
AEE 206	Introduction to Teaching Agriculture <sup>1</sup>	3
ARE 215 or BUS 225	Small Business Accounting or Personal Finance	3
BAET 201 or TDE 110	Shop Processes and Management or Materials & Processes Technology	3
GEP Humanities ( <a href="http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-humanities/">http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-humanities/</a> )		3
Plant Science Elective (p. 2)		3
<b>Hours</b>		<b>15</b>

**Spring Semester**

ANS 150 & ANS 151	Introduction to Animal Science and Introduction to Animal Science Lab	4
ARE 311 or ARE 312	Agricultural Markets or Agribusiness Marketing	3
CH 101 & CH 102	Chemistry - A Molecular Science and General Chemistry Laboratory	4
GEP US Diversity, Equity, and Inclusion ( <a href="http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-usdei/">http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-usdei/</a> )		3
<b>Hours</b>		<b>14</b>

**Third Year****Fall Semester**

AEE 322	Experiential Learning in Agriculture <sup>1</sup>	3
ARE 306 or ARE 309	Agricultural Law or Environmental Law & Economic Policy	3
EDP 304	Educational Psychology <sup>1</sup>	3
SSC 200 & SSC 201	Soil Science and Soil Science Laboratory	4
GEP Interdisciplinary Perspectives ( <a href="http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-interdisciplinary-perspectives/">http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-interdisciplinary-perspectives/</a> )		3
<b>Hours</b>		<b>16</b>

**Spring Semester**

AEE 303	Administration and Supervision of Student Organizations <sup>1</sup>	3
AEE 326	Teaching Diverse Learners in AED <sup>1</sup>	3
ARE 303 or ARE 304	Farm Management <sup>1</sup> or Agribusiness Management	3
ED 311	Classroom Assessment Principles and Practices <sup>1</sup>	2
ED 312	Classroom Assessment Principles and Practices Professional Learning Lab <sup>1</sup>	1
ELP 344	School and Society <sup>1</sup>	3
Agricultural Business Elective (p. )		3
<b>Hours</b>		<b>18</b>

**Fourth Year****Fall Semester**

AEE 327	Conducting Summer Programs in Agricultural Education	1
AEE 426	Methods of Teaching Agriculture <sup>1</sup>	3
ARE 321 or ARE 332	Agricultural Financial Management or Human Resource Management for Agribusiness	3
GEP Humanities ( <a href="http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-humanities/">http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-humanities/</a> )		3
GEP Interdisciplinary Perspectives ( <a href="http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-interdisciplinary-perspectives/">http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-interdisciplinary-perspectives/</a> )		2
Free Electives <sup>3</sup>		2
<b>Hours</b>		<b>14</b>

**Spring Semester**

AEE 424	Planning Agricultural Educational Programs <sup>1</sup>	3
AEE 427	Student Teaching in Agriculture <sup>1</sup>	8

AEE 491	Seminar in Agricultural Education	1
<b>Hours</b>		<b>12</b>
<b>Total Hours</b>		<b>120</b>

<sup>1</sup> A minimum grade of C- is required for graduation. A minimum grade of C is required for teacher licensure.

<sup>2</sup> Incoming freshmen complete AEE 103 Fundamentals of Agricultural and Extension Education. Transfer students may complete ALS 103 Freshman Transitions and Diversity in Agriculture & Life Sciences or ALS 303 Transfer Transitions and Diversity in Agriculture & Life Sciences.

<sup>3</sup> Total hours of free electives vary in order to allow the minimum hours required for the degree to equal 120 credit hrs.