

**MEMORANDUM TO:** Ogden College of Science and Engineering Curriculum Committee

Dr. Melanie Autin  
Dr. Simran Banga  
Dr. Royhan Gani  
Dr. Ting-Hui Lee  
Dr. Andy Mienaltowski

Dr. Hope Marchionda  
Dr. Todd Willian  
Dr. Zhonghang Xia  
Dr. Bangbo Yan

**FROM:** Dr. Stuart Burris, Chair

**SUBJECT:** Agenda for Thursday, February 26, 2026

**A. OLD BUSINESS:**

- I. Consideration of the minutes of the December 2025 meeting.

**B. NEW BUSINESS:**

<b>Type of item</b>	<b>Description of Item &amp; Contact Information</b>
Informational	<b><u>The following items were sent through the expedited process</u></b> AGRI 369 – Credit Hour Change
Action	<b>Proposal to Change a Program</b> Ref. 508 Agriculture Contact: <a href="mailto:Paul.Woosley@wku.edu">Paul.Woosley@wku.edu</a> , 270-745-3151

**C. OTHER BUSINESS**

**Members Present:**

Dr. Melanie Autin, Dr. Simran Banga, Dr. Royhan Gani, Dr. Ting-Hui Lee, Dr. Andy Mienaltowski, Dr. Hope Marchionda, Dr. Todd Willian, Dr. Zhonghang Xia, Dr. Bangbo Yan

**Guests Present:**

Dr. Cambron, Dr. Xing, Dr. Nabi, Dr. Mowafi

**FROM:** Dr. Stuart Burris, Chair

The meeting was called to order at 4:00pm.

**OLD BUSINESS:**

Minutes from the November 2025 meeting were approved as posted.

**NEW BUSINESS:**

**Action Agenda:**

518/Arch Sci - Autin/Gani - approved with friendly amendment.  
CM 403 - Autin/Banga - approved  
CIT 350 - Banga/Marchionda - approved  
CIT 352 - Marchionda/Banga - approved  
CIT 452 - Autin/Gani - approved  
CIT 495 - Autin/Marchionda - approved  
CIT 497 - Autin/Gani - approved  
555/CIT - Banga/Marchionda - approved  
CS 315 - Gani/Banga - approved with friendly amendment.  
CS 381 - Autin/Marchionda - approved with friendly amendment.  
CS 421 - Banga/Lee - approved with friendly amendment.  
CS 319 - Marchionda/Gani - approved with friendly amendment  
629/Comp Sci - Gani/Banga - approved with friendly amendment  
EE 433 - Banga/Gani - approved with friendly amendment.  
EE 455 - Autin/Marchionda - approved with friendly amendment.  
537/Elec Engr - Willian/Marchionda - approved  
476/Sys Eng - Banga/Lee - approved with friendly amendment.

**Other Business:**

None

# Program Change Request

Date Submitted: 02/18/26 9:00 am

## Viewing: **508 : Agriculture, Bachelor of Science**

Last approved: 05/30/25 1:00 pm

Last edit: 02/26/26 2:07 pm

Changes proposed by: wll99339

Catalog Pages  
Using this Program  
[Agriculture, Bachelor of Science \(508\)](#)

Proposed Action

### In Workflow

1. **AGRI Approval**
2. **SC Dean**
3. **SC Curriculum Committee**
4. Professional Education Council
5. Undergraduate Curriculum Committee
6. University Senate
7. Provost
8. Program Inventory

### Approval Path

1. 02/18/26 12:27 pm  
Paul Woosley  
(paul.woosley):  
Approved for AGRI Approval
2. 02/26/26 2:27 pm  
Stuart Burris  
(stuart.burris):  
Approved for SC Dean

### History

1. May 20, 2021 by Rheanna Plemons (rheanna.plemons)
2. May 25, 2021 by Rheanna Plemons (rheanna.plemons)
3. Jun 10, 2021 by Jessica Dorris (jessica.dorris)
4. Jul 16, 2021 by Jessica Dorris (jessica.dorris)

- 5. Jul 29, 2021 by Jessica Dorris (jessica.dorris)
- 6. Apr 11, 2022 by Jessica Dorris (jessica.dorris)
- 7. Jan 10, 2023 by Jessica Dorris (jessica.dorris)
- 8. Jan 10, 2023 by Jessica Dorris (jessica.dorris)
- 9. Apr 10, 2023 by William Willian (todd.willian)
- 10. May 9, 2024 by William Willian (todd.willian)
- 11. Jun 26, 2024 by Ryan Wilson (ryan.wilson)
- 12. Dec 13, 2024 by Jessica Dorris (jessica.dorris)
- 13. Dec 13, 2024 by Jessica Dorris (jessica.dorris)
- 14. May 30, 2025 by Jessica Dorris (jessica.dorris)

Active

Contact Person

Name	Email	Phone
Paul Woosley	paul.woosley@wku.edu	(270) 745-3151

Term of Implementation 2026-2027

Program Reference Number 508

Review Type Full Review

Academic Level Undergraduate

Program Type Major

Degree Types Bachelor of Science

Department                    Agriculture

College                        Science and Engineering

Program Name (eg.        Agriculture, Bachelor of Science  
Biology)

Will this program have concentrations?  
Yes

Concentrations

## Concentrations

- Agribusiness ([AGEC](#)) (~~AGBU~~)
- Agriculture Education (AGED)
- [Plant and Soil Science \(PLSS\)](#)
- ~~Agronomy Plant (AGPS) Agronomy Soil (AGSS) Animal Science ([ANSC](#)) (AGAS)~~
- Horse Science ([ANSC](#)) (~~AGHS~~)
- ~~Dairy Science (AGDS) General Agriculture ([AGRI](#)) (AGGA)~~
- [Applied Horticulture and Turf Systems \(PLSS\)](#)
- ~~Horticulture (AGHO) Turf & Golf Course Management (AGTG) Agriculture Systems (AGSY)~~

CIP Code                    01.0000 - Agriculture, General.

Will this program        Yes  
lead to teacher  
certification?

Does the proposed program contain 25% or more new content not previously taught in  
another course at WKU? If yes, contact the Office of the Provost for additional  
SACSCOC proposal requirements

No

## Catalog Content

Program Overview (Catalog field: Overview tab)

The major in agriculture (508) consists of several concentrations allowing students to specialize in areas of interest such as [Plant and Soil](#) ~~Agronomy, Agribusiness, Agricultural Education, Agricultural Systems, Animal~~ Science, [Agribusiness, Agricultural Education, Animal Dairy](#) Science, [Applied Horticulture and Horticulture, Horse Science, and Turf Systems, Horse Science, and General Agriculture.](#) ~~and Golf Course Management.~~

Curriculum Requirements (Catalog field: Program Requirements)

## Program Requirements (36-66) (~~36-77~~ hours)

Approved Shared Content from /shared/undergraduate-major-requirements/  
Last Approved: Jun 30, 2025 9:25am

A baccalaureate degree requires a minimum of 120 unduplicated semester hours. More information can be found at [www.wku.edu/registrar/degree\\_certification.php](http://www.wku.edu/registrar/degree_certification.php).

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: <https://www.wku.edu/colonnade/colonnaderequirements.php>.

This major in agriculture requires a minimum of ~~36-66~~ **36-77** semester hours in agriculture and leads to a Bachelor of Science degree. Electives, which ~~Electives~~ are chosen from agriculture courses focusing on a concentration and concentration, when approved by an assigned advisor, complete the minimum total of ~~36-66~~ **36-77** semester hours in agriculture. At least 50% half of the semester hours in the major must be in courses numbered 300 or above. All students must take the following support courses outside of the major:

## Required Courses Outside of the Major

### Mathematics Course

<b>MATH 115</b>	Applied College Algebra (or higher) <sup>1</sup>	3
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### Chemistry Courses <sup>2</sup>

Select two of the following:	6
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Select one set from the following:	<u>8, 10</u>
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<b>CHEM 105</b>	Fundamentals of General Chemistry
& <b>CHEM 106</b>	and Fundamentals of General Chemistry Laboratory
& <b>CHEM 107</b>	and Fundamentals of Organic Chemistry
& <b>CHEM 108</b>	and Fundamentals of Organic Chemistry Laboratory

or <b>CHEM 120</b>	College Chemistry I
& <b>CHEM 121</b>	and College Chemistry I Laboratory
& <b>CHEM 222</b>	and College Chemistry II
& <b>CHEM 223</b>	and College Chemistry II Laboratory

<del>CHEM 107</del>	<del>Fundamentals of Organic Chemistry</del>
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<del>CHEM 120</del>	<del>College Chemistry I</del>
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<del>CHEM 222</del>	<del>College Chemistry II</del>
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### Chemistry Labs

Select two hours of the following:	2
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<del>CHEM 106</del>	<del>Fundamentals of General Chemistry Laboratory</del>
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<del>CHEM 108</del>	<del>Fundamentals of Organic Chemistry Laboratory</del>
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<del>CHEM 121</del>	<del>College Chemistry I Laboratory</del>
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<del>CHEM 223</del>	<del>College Chemistry II Laboratory</del>
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### Biology Course and Lab <sup>3</sup>

<b>BIOL 120</b>	Biological Concepts: Cells Metabolism and Genetics	4
& <b>BIOL 121</b>	and Biological Concepts: Cells, Metabolism, and Genetics Lab	

<del>BIOL 121</del>	<del>Biological Concepts: Cells, Metabolism, and Genetics Lab</del>	<del>4</del>
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Total Hours	15-17
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1

Students focusing in Pre-Veterinary Medicine must take [MATH 116](#) or higher.

~~2 Students pursuing the Horticulture Concentration may take BIOL 120 and BIOL 121 or BIOL 122 and BIOL 123.~~

2

Students focusing in Pre-Veterinary Medicine must take CHEM 120 & CHEM 121 and CHEM 222 & CHEM 223

3

Students pursuing the Applied Horticulture and Turf Systems Concentration may take BIOL 120 & BIOL 121 or BIOL 122 & BIOL 123.

The following courses are required for each concentration:

## Agribusiness Concentration

### Basic Agriculture Courses

<del>AGRO 110</del>	<del>Introduction to Plant Science</del>	<del>3</del>
<u>PLSS 110</u>	<u>Course PLSS 110 Not Found</u>	<u>3</u>
<del>ANSC 140</del>	<del>Introduction to Animal Science</del>	<del>3</del>
<del>AGEC 160</del>	<del>Introduction to Agribusiness and Agricultural Entrepreneurship</del>	<del>3</del>
<del>AGMC 170 &amp; AGMC 171</del>	<del>Introduction to Agricultural Mechanization and Introduction to Agricultural Mechanization Laboratory</del>	<del>3</del>
<u>AGSY 170</u>	<u>Course AGSY 170 Not Found</u>	<u>2</u>
<u>AGSY 171</u>	<u>Course AGSY 171 Not Found</u>	<u>1</u>
<del>AGRI 175</del>	<del>University Experience - Agriculture</del>	<del>1</del>
<del>AGSY 176</del>	<del>Agriculture Safety</del>	<del>2</del>
<del>AGRI 291</del>	<del>Introduction to Data Analysis and Interpretation</del>	<del>3</del>
<del>or AGRI 491</del>	<del>Data Analysis and Interpretation</del>	
Select one of the following:		3
<del>AGRO 320</del>	<del>Crop Physiology</del>	
<del>ANSC 345</del>	<del>Principles of Animal Nutrition</del>	
<u>PLSS 350</u>	<u>Course PLSS 350 Not Found</u>	<u>3</u>
<u>AGRI 391</u>	<u>Course AGRI 391 Not Found</u>	<u>2</u>
<u>AGRI 392</u>	<u>Course AGRI 392 Not Found</u>	<u>1</u>
<u>AGRI 393</u>	<u>Course AGRI 393 Not Found</u>	<u>3</u>
<del>AGRI 397</del>	<del>Agriculture Career Planning</del>	<del>1</del>
<del>AGRI 398</del>	<del>Seminar</del>	<del>4</del>
<del>AGRI 494</del>	<del>Contemporary Agricultural Issues</del>	<del>3</del>
<u>AGRI 498</u>	<u>Course AGRI 498 Not Found</u>	<u>1</u>
<b>Required Agribusiness Courses</b>		
<del>AGEC 261</del>	<del>Agricultural Accounting</del>	<del>3</del>

<u>AGEC 360</u>	Agricultural Economics	3
<u>AGMC 326</u>	<u>Course AGMC 326 Not Found</u>	
<del>AGRO 350</del>	<del>Soils</del>	<del>3</del>
<u>AGEC 361</u>	Farm Management	3
<u>AGEC 362</u>	Agricultural Marketing	3
<u>AGEC 366</u>	Agricultural Sales and Services	3
<u>AGEC 463</u>	Agriculture Finance	3
<b>Agribusiness Electives</b>		
<del>Select 6 hours of upper-level agriculture electives: AGEC, AGED, AGMC, AGRI, AGRO, ANSC, or HORT</del>		<del>6</del>
<u>Select 5 hours of 300-400 level agriculture courses from AGEC, AGED, AGRI, AGSY, ANSC, or PLSS.</u>		<u>5</u>
Total Hours		50

## Agricultural Education Concentration

### Basic Agriculture Courses

<del>AGRO 110</del>	<del>Introduction to Plant Science</del>	<del>3</del>
<u>PLSS 110</u>	<u>Course PLSS 110 Not Found</u>	<u>3</u>
<u>ANSC 140</u>	Introduction to Animal Science	3
<u>AGEC 160</u>	Introduction to Agribusiness and Agricultural Entrepreneurship	3
<del>AGMC 170</del> & <del>AGMC 171</del>	<del>Introduction to Agricultural Mechanization</del> & <del>Introduction to Agricultural Mechanization Laboratory</del>	<del>3</del>
<del>AGMC 171</del>	<del>Introduction to Agricultural Mechanization Laboratory</del>	<del>4</del>
<u>AGSY 170</u>	<u>Course AGSY 170 Not Found</u>	<u>2</u>
<u>AGSY 171</u>	<u>Course AGSY 171 Not Found</u>	<u>1</u>
<u>AGRI 175</u>	University Experience - Agriculture	1
<del>AGSY 176</del>	<del>Agriculture Safety</del>	<del>2</del>
<del>AGRI 291</del>	<del>Introduction to Data Analysis and Interpretation</del>	<del>3</del>
<del>or AGRI 491</del>	<del>Data Analysis and Interpretation</del>	
Select one of the following:		3
<del>AGRO 320</del>	<del>Crop Physiology</del>	
<del>ANSC 345</del>	<del>Principles of Animal Nutrition</del>	
<del>AGEC 360</del>	<del>Agricultural Economics</del>	
<u>AGMC 326</u>	<u>Course AGMC 326 Not Found</u>	
<del>AGRO 350</del>	<del>Soils</del>	<del>3</del>

<del>AGRI 397</del>	<del>Agriculture Career Planning</del>	<del>4</del>
<u>PLSS 316</u>	<u>Course PLSS 316 Not Found</u>	<u>2</u>
<u>PLSS 317</u>	<u>Course PLSS 317 Not Found</u>	<u>1</u>
<u>AGSY 371</u>	<u>Course AGSY 371 Not Found</u>	<u>1</u>
<u>AGSY 372</u>	<u>Course AGSY 372 Not Found</u>	<u>2</u>
<u>AGRI 391</u>	<u>Course AGRI 391 Not Found</u>	<u>2</u>
<u>AGRI 392</u>	<u>Course AGRI 392 Not Found</u>	<u>1</u>
AGRI 494	Contemporary Agricultural Issues	3
<b><u>Required Agriculture Education Courses</u></b>		
AGED 200	Foundations of Agricultural Education	1
AGED 250	Introduction to Teacher Education in Agriculture <sup>1</sup>	3
or EDU 250	Discover Teaching: Introduction to Teacher Education	
AGED 300	Youth Development for Agricultural Educators	3
AGED 470	Methods of Teaching in Agricultural Education	3
AGED 471	Organization and Planning in Agricultural Education	3
AGMG-374	<del>Agricultural Mechanics</del>	<del>4</del>
AGMG-372	<del>Agricultural Mechanics Laboratory</del>	<del>2</del>
HORT 316	<del>Greenhouse Maintenance and Operation</del>	<del>2</del>
HORT 317	<del>Greenhouse Maintenance and Operation Laboratory</del>	<del>4</del>
<b>Teacher Certification Requirements</b>		
EDU 260	Classroom Assessment	3
EDU 350	Student Diversity and Differentiation	3
EDU 360	Behavior and Classroom Management in Education	3
EDU 489	Student Teaching Seminar	2,3
LTCY 497	Literacy Competencies for Middle and High School Classroom Teachers	0
AGRI 398	<del>Seminar</del>	<del>4</del>
SPED 330	Introduction to Exceptional Education: Diversity in Learning	3
PSY 310	Educational Psychology: Development and Learning <sup>1</sup>	3
SEC 490	Student Teaching	10
Total Hours		65-66

<sup>1</sup>  
Courses require a grade of C or better.

## Plant and Soil ~~Agriculture Systems Concentration Agronomy (Plant Science) Concentration Agronomy (Soil Science) Concentration Animal Science Concentration~~

### Basic Agriculture Courses

AGRO-110	Introduction to Plant Science	3
ANSC-140	Introduction to Animal Science	3
AGEC-160	Introduction to Agribusiness and Agricultural Entrepreneurship	3
AGMC-170 & AGMC-171	Introduction to Agricultural Mechanization and Introduction to Agricultural Mechanization Laboratory	3
AGRI-175	University Experience – Agriculture	4
AGSY-176	Agriculture Safety	2
AGRI-291	Introduction to Data Analysis and Interpretation	3
or AGRI-491	Data Analysis and Interpretation	

Select one of the following: 3

AGRO-320	Crop Physiology	
ANSC-345	Principles of Animal Nutrition	
AGEC-360	Agricultural Economics	

**AGMC-326** Course AGMC-326 Not Found

AGRO-350	Soils	3
AGRI-397	Agriculture Career Planning	4
AGRI-398	Seminar	4
AGRI-494	Contemporary Agricultural Issues	3

### Required Agronomy Courses

**AGRO-351** Course AGRO-351 Not Found 4

Select 12 credit hours from the following courses: 12

AGRO-352	Soil Fertility and Fertilizers	
AGRO-452	Soil Microbiology	
AGRO-454	Soil Management and Conservation	
AGRO-457 & AGRO-458	Soil Formation, Classification and Mapping and Soil Formation, Classification and Mapping Laboratory	

**AGRO-459** Course AGRO-459 Not Found

Select two of the following courses: 6

AGRO-310	Pest Management	
AGRO-409 & AGRO-410	Weed Science and Weed Science Laboratory	
AGRO-420 & <b>AGRO-421</b>	Forage Crop Management and <b>Course AGRO-421 Not Found</b>	
AGRO-422	Field Crops	
AGRI-493	Sustainable Agriculture	
AGRI-369	Cooperative Education in Agriculture II	
AGRI-475	Selected Topics in Agriculture	
Total Hours		0
<b>Basic Agriculture Courses</b>		
AGRO-110	Introduction to Plant Science	3
ANSC-140	Introduction to Animal Science	3
AGEC-160	Introduction to Agribusiness and Agricultural Entrepreneurship	3
AGMC-170 & AGMC-171	Introduction to Agricultural Mechanization and Introduction to Agricultural Mechanization Laboratory	3
AGRI-175	University Experience – Agriculture	1
AGSY-176	Agriculture Safety	2
AGRI-291	Introduction to Data Analysis and Interpretation	3
or AGRI-491	Data Analysis and Interpretation	
Select one of the following:		3
AGRO-320	Crop Physiology	
ANSC-345	Principles of Animal Nutrition	
AGEC-360	Agricultural Economics	
<b>AGMC-326</b>	<b>Course AGMC-326 Not Found</b>	
AGRO-350	Soils	3
AGRI-397	Agriculture Career Planning	1
AGRI-398	Seminar	1
AGRI-494	Contemporary Agricultural Issues	3
<b>Agriculture Systems Courses</b>		
<b>AGMC-373</b> & <b>AGMC-374</b>	<b>Course AGMC-373 Not Found</b> and <b>Course AGMC-374 Not Found</b>	<b>3</b>
<b>AGMC-377</b> & <b>AGMC-378</b>	<b>Course AGMC-377 Not Found</b> and <b>Course AGMC-378 Not Found</b>	<b>3</b>

<del>AGMC 425</del>	<del>Course AGMC 425 Not Found</del>	<del>3</del>
<del>AGEC 366</del>	<del>Agricultural Sales and Services</del>	<del>3</del>
<del>MFGE 227</del>	<del>Introduction to Manufacturing Methods</del>	<del>3</del>
<b>Agriculture Systems Elective</b>		
Select 6 credit hours from any AGECE, AGED, AGMC, AGRI, AGRO, ANSC, or HORT course		6
Total Hours		0
<b>Basic Agriculture Courses</b>		
<del>AGRO 110</del>	<del>Introduction to Plant Science</del>	<del>3</del>
<u>PLSS 110</u>	<u>Course PLSS 110 Not Found</u>	<u>3</u>
<del>ANSC 140</del>	<del>Introduction to Animal Science</del>	<del>3</del>
<del>AGEC 160</del>	<del>Introduction to Agribusiness and Agricultural Entrepreneurship</del>	<del>3</del>
<del>AGMC 170 &amp; AGMC 171</del>	<del>Introduction to Agricultural Mechanization and Introduction to Agricultural Mechanization Laboratory</del>	<del>3</del>
<u>AGSY 170</u>	<u>Course AGSY 170 Not Found</u>	<u>2</u>
<u>AGSY 171</u>	<u>Course AGSY 171 Not Found</u>	<u>1</u>
<del>AGRI 175</del>	<del>University Experience - Agriculture</del>	<del>1</del>
<del>AGSY 176</del>	<del>Agriculture Safety</del>	<del>2</del>
<del>AGRI 291</del>	<del>Introduction to Data Analysis and Interpretation</del>	<del>3</del>
<del>or AGRI 491</del>	<del>Data Analysis and Interpretation</del>	<del>3</del>
Select one of the following courses:		3
<del>AGRO 320</del>	<del>Crop Physiology</del>	<del>3</del>
<del>ANSC 345</del>	<del>Principles of Animal Nutrition</del>	<del>3</del>
<del>AGEC 360</del>	<del>Agricultural Economics</del>	<del>3</del>
<u>AGMC 326</u>	<u>Course AGMC 326 Not Found</u>	<u>3</u>
<del>AGRO 350</del>	<del>Soils</del>	<del>3</del>
<u>PLSS 350</u>	<u>Course PLSS 350 Not Found</u>	<u>3</u>
<u>AGRI 391</u>	<u>Course AGRI 391 Not Found</u>	<u>2</u>
<u>AGRI 392</u>	<u>Course AGRI 392 Not Found</u>	<u>1</u>
<u>AGRI 393</u>	<u>Course AGRI 393 Not Found</u>	<u>3</u>
<del>AGRI 397</del>	<del>Agriculture Career Planning</del>	<del>1</del>
<del>AGRI 398</del>	<del>Seminar</del>	<del>4</del>
<del>AGRI 494</del>	<del>Contemporary Agricultural Issues</del>	<del>3</del>
<u>AGRI 498</u>	<u>Course AGRI 498 Not Found</u>	<u>1</u>

**Required Plant and Soil Science Courses**

Select 15 hours from following courses:

15

AGRO-310	Pest Management	
AGRO-352	Soil Fertility and Fertilizers	
AGRI-355	Biotechnology in Agriculture	
AGRO-409	Weed Science	
AGRO-410	Weed Science Laboratory	
AGRO-418	Plant Pathology	
AGRO-420	Forage Crop Management	
<b>AGRO-421</b>	<b>Course AGRO-421 Not Found</b>	
AGRO-422	Field Crops	
<b>PLSS 310</b>	<b>Course PLSS 310 Not Found</b>	<u>3</u>
<b>PLSS 320</b>	<b>Course PLSS 320 Not Found</b>	<u>3</u>
<b>PLSS 352</b>	<b>Course PLSS 352 Not Found</b>	<u>3</u>
PLSS 351	Soils Laboratory	<u>1</u>
<b>PLSS 422</b>	<b>Course PLSS 422 Not Found</b>	<u>3</u>
or <b>PLSS 425</b>	<b>Course PLSS 425 Not Found</b>	
<b>PLSS 452</b>	<b>Course PLSS 452 Not Found</b>	<u>3</u>
or <b>PLSS 454</b>	<b>Course PLSS 454 Not Found</b>	

**Plant and Soil Science Electives**

Select 3 credit hours from the following courses:

3

AGRI-315	Water in Food Production	
AGRI-369	Cooperative Education in Agriculture II	
AGRI-475	Selected Topics in Agriculture	
AGRO-452	Soil Microbiology	
AGRO-454	Soil Management and Conservation	
AGRO-457	Soil Formation, Classification and Mapping	
AGRO-458	Soil Formation, Classification and Mapping Laboratory	
<b>AGRO-459</b>	<b>Course AGRO-459 Not Found</b>	
AGRI-493	Sustainable Agriculture	
HORT-301	Introduction to Landscape Plants	
HORT-302	Introduction to Landscape Plants Laboratory	
HORT-313	Turfgrass Management	

HORT-316	Greenhouse Maintenance and Operation	
HORT-317	Greenhouse Maintenance and Operation Laboratory	
HORT-340	Greenhouse Crop Production	
HORT-407	Plant Propagation	
HORT-407G	Plant Propagation	
HORT-419	Fruit, Vegetable, and Vineyard Production	
AGEC-468	World Food Development	
AGEC-361	Farm Management	
AGMC-392	Turf Irrigation	
AGMC-393	Turf Irrigation Laboratory	

### Required Laboratories

AGRO-111	Course AGRO-111 Not Found	4
AGRO-351	Course AGRO-351 Not Found	4
<u>Select 7 hours of agriculture courses from AGECE, AGED, AGRI, AGSY, ANSC, or PLSS.</u>		<u>7</u>
Total Hours		50

## Animal Dairy Science Concentration

### Basic Agriculture Courses

AGRO-110	Introduction to Plant Science	3
ANSC-140	Introduction to Animal Science	3
AGEC-160	Introduction to Agribusiness and Agricultural Entrepreneurship	3
AGMC-170 & AGMC-171	Introduction to Agricultural Mechanization and Introduction to Agricultural Mechanization Laboratory	3
AGRI-175	University Experience – Agriculture	4
AGSY-176	Agriculture Safety	2
AGRI-291	Introduction to Data Analysis and Interpretation	3
or AGRI-491	Data Analysis and Interpretation	
Select one of the following:		3
AGRO-320	Crop Physiology	
ANSC-345	Principles of Animal Nutrition	
AGEC-360	Agricultural Economics	
AGMC-326	Course AGMC-326 Not Found	
AGRO-350	Soils	3

AGRI-397	Agriculture Career Planning	4
AGRI-398	Seminar	4
AGRI-494	Contemporary Agricultural Issues	3
<b>Dairy Science Courses</b>		
ANSC-141	Introduction to Animal Science Laboratory	4
ANSC-240	Livestock Management	2
ANSC-241	Livestock Management Laboratory	4
ANSC-431	Dairy Production	2
ANSC-432	Dairy Production Laboratory	4
ANSC-437	Physiology of Reproduction in Domestic Animals	2
ANSC-438	Physiology of Reproduction in Domestic Animal Laboratory	4
ANSC-448	Animal Feeds and Feeding Practices	4
AGRO-420	Forage Crop Management	3
<b>AGRO-421</b>	<b>Course AGRO-421 Not Found</b>	4
<b>Electives</b>		
Take 6 credit hours from the following choices		6
ANSC-347	Animal Pathology	
ANSC-446	Animal Breeding	
ANSC-447	Animal Breeding Laboratory	
ANSC-458	Animal Growth and Meat Quality	
ANSC-475	Selected Topics in Agriculture	
ANSC-338	Introductory Livestock Evaluation and Selection	
ANSC-440	Advanced Livestock Evaluation and Selection	
Total Hours		0
<b>Basic Agriculture Courses</b>		
AGRO-110	Introduction to Plant Science	3
<b>PLSS 110</b>	<b>Course PLSS 110 Not Found</b> <sup>1</sup>	<u>3</u>
or <b>PLSS 425</b>	<b>Course PLSS 425 Not Found</b>	
<u>ANSC 140</u>	Introduction to Animal Science	3
<u>AGEC 160</u>	Introduction to Agribusiness and Agricultural Entrepreneurship	3
<u>AGMC 170</u> & <u>AGMC-174</u>	Introduction to Agricultural Mechanization and Introduction to Agricultural Mechanization Laboratory	3

<u>AGSY 170</u> & <u>AGSY 171</u>	<u>Course AGSY 170 Not Found</u> and <u>Course AGSY 171 Not Found</u> <sup>2</sup>	<u>3, 4</u>
<u>or PHYS 231</u> & <u>PHYS 232</u>	<u>Introduction to Physics and Biophysics I</u> and <u>Laboratory for Physics and Biophysics I</u>	
<u>AGRI 175</u>	University Experience - Agriculture	1
<u>AGSY 176</u>	<del>Agriculture Safety</del>	<del>2</del>
<u>AGRI 291</u>	<del>Introduction to Data Analysis and Interpretation</del>	<del>3</del>
<u>or AGRI 491</u>	<del>Data Analysis and Interpretation</del>	
Select one of the following:		3
<u>AGRO 320</u>	<del>Crop Physiology</del>	
<u>PLSS 350</u>	<u>Course PLSS 350 Not Found</u> <sup>3</sup>	<u>3, 5</u>
<u>or CHEM 340</u> & <u>CHEM 341</u>	<u>Organic Chemistry I</u> and <u>Organic Chemistry Laboratory I</u>	
<u>AGRI 391</u>	<u>Course AGRI 391 Not Found</u>	<u>2</u>
<u>AGRI 392</u>	<u>Course AGRI 392 Not Found</u>	<u>1</u>
<u>AGRI 393</u>	<u>Course AGRI 393 Not Found</u>	<u>3</u>
<u>AGRI 397</u>	Agriculture Career Planning	1
<u>AGRI 398</u>	<del>Seminar</del>	<del>4</del>
<u>AGRI 494</u>	Contemporary Agricultural Issues	3
<b>Production Courses -select one of the following lecture/lab combinations</b>		<b>3</b>
<del>ANSC 442</del> & <del>ANSC 443</del>	<del>Beef Production</del> and <del>Beef Production Laboratory</del>	
<del>ANSC 330</del> & <del>ANSC 331</del>	<del>Horse Production</del> and <del>Horse Production Laboratory</del>	
<del>ANSC 431</del> & <del>ANSC 432</del>	<del>Dairy Production</del> and <del>Dairy Production Laboratory</del>	
<u>AGRI 498</u>	<u>Course AGRI 498 Not Found</u>	<u>1</u>
<b>Required Animal Science Courses</b>		
<u>ANSC 240</u>	Livestock Management	2
<u>ANSC 241</u>	Livestock Management Laboratory	1
<u>ANSC 347</u>	<del>Animal Pathology</del>	<del>3</del>
<u>ANSC 345</u>	Principles of Animal Nutrition	3
<u>AGEC 360</u>	<del>Agricultural Economics</del>	
<u>AGMC 326</u>	<u>Course AGMC 326 Not Found</u>	
<u>AGRO 350</u>	Soils	3

<u>ANSC 437</u> & <u>ANSC 438</u>	Physiology of Reproduction in Domestic Animals and Physiology of Reproduction in Domestic Animal Laboratory	3
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or <u>ANSC 439</u>	Equine Reproduction and Breeding	
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<del>ANSC 446</del> & <del>ANSC 447</del>	<del>Animal Breeding and Animal Breeding Laboratory</del>	
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<del>ANSC 439</del>	<del>Equine Reproduction and Breeding</del>	
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**Select 6 credit hours from the following:**

**6**

<del>ANSC 340</del>	<del>Meats and Meat Products</del>	
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<del>ANSC 338</del>	<del>Introductory Livestock Evaluation and Selection</del>	
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<del>ANSC 448</del>	<del>Animal Feeds and Feeding Practices</del>	
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<del>ANSC 130</del>	<del>Introduction to Horse Science</del>	
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<del>ANSC 131</del>	<del>Horse Science Lab</del>	
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<del>ANSC 232</del>	<del>Basic Equitation</del>	
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<del>ANSC 321</del>	<del>Comparative Anatomy</del>	
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<del>ANSC 333</del>	<del>Horse Training</del>	
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<del>ANSC 334</del>	<del>Horse Training Laboratory</del>	
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<del>ANSC 336</del>	<del>Conformation and Performance Evaluation of Horses</del>	
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<del>ANSC 342</del>	<del>Advanced Riding Maneuvers and Collection</del>	
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<del>ANSC 350</del>	<del>Equine Career Opportunities</del>	
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<del>ANSC 360</del>	<del>Equine Events Management</del>	
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<del>AGRO 420</del>	<del>Forage Crop Management</del>	
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<del>AGRO 421</del>	<del>Course AGRO 421 Not Found</del>	
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<del>ANSC 440</del>	<del>Advanced Livestock Evaluation and Selection</del>	
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<del>ANSC 475</del>	<del>Selected Topics in Agriculture</del>	
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Students must take Animal Science Laboratory

<del>ANSC 141</del>	<del>Introduction to Animal Science Laboratory (ANSC students must take ANSC 141)</del>	<del>4</del>
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<u>ANSC 458</u>	Animal Growth and Meat Quality	3
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**Select 1 of the following combinations**

**3**

**Animal Science Electives**

**11**

Select courses from AGECE, AGED, AGRI, AGSY, ANSC, or PLSS.

<u>BIOL 226</u>	<u>Microbial Biology and Diversity</u>	
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<u>BIOL 227</u>	<u>Microbial Biology and Diversity Lab</u>	
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<u>BIOL 319</u>	<u>Introduction to Molecular and Cell Biology</u>	
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<a href="#">BIOL 322</a>	<a href="#">Introduction to Molecular and Cell Biology Laboratory</a>
<a href="#">BIOL 327</a>	<a href="#">Genetics</a>
<a href="#">BIOL 330</a>	<a href="#">Animal Physiology</a>
<a href="#">BIOL 331</a>	<a href="#">Animal Physiology Laboratory</a>

Total Hours

50-53

1  
† Students focusing in Pre-Veterinary Medicine should take [PLSS 425](#).

2  
2 Students focusing in Pre-Veterinary Medicine should take PHYS 231 & PHYS 232.

3  
3 Students focusing in Pre-Veterinary Medicine should take CHEM 340 & CHEM 341.

## General Agriculture Concentration

### Basic Agriculture Courses

<a href="#">AGRO 110</a>	<a href="#">Introduction to Plant Science</a>	<a href="#">3</a>
<a href="#">PLSS 110</a>	<a href="#">Course PLSS 110 Not Found</a>	<a href="#">3</a>
<a href="#">ANSC 140</a>	<a href="#">Introduction to Animal Science</a>	<a href="#">3</a>
<a href="#">AGEC 160</a>	<a href="#">Introduction to Agribusiness and Agricultural Entrepreneurship</a>	<a href="#">3</a>
<a href="#">AGMC 170 &amp; AGMC 171</a>	<a href="#">Introduction to Agricultural Mechanization and Introduction to Agricultural Mechanization Laboratory</a>	<a href="#">3</a>
<a href="#">AGSY 170</a>	<a href="#">Course AGSY 170 Not Found</a>	<a href="#">2</a>
<a href="#">AGSY 171</a>	<a href="#">Course AGSY 171 Not Found</a>	<a href="#">1</a>
<a href="#">AGRI 175</a>	<a href="#">University Experience - Agriculture</a>	<a href="#">1</a>
<a href="#">AGSY 176</a>	<a href="#">Agriculture Safety</a>	<a href="#">2</a>
<a href="#">AGRI 291</a>	<a href="#">Introduction to Data Analysis and Interpretation</a>	<a href="#">3</a>
<a href="#">or AGRI 491</a>	<a href="#">Data Analysis and Interpretation</a>	
<a href="#">Select one of the following:</a>		<a href="#">3</a>
<a href="#">AGRO 320</a>	<a href="#">Crop Physiology</a>	
<a href="#">ANSC 345</a>	<a href="#">Principles of Animal Nutrition</a>	
<a href="#">AGEC 360</a>	<a href="#">Agricultural Economics</a>	
<a href="#">AGMC 326</a>	<a href="#">Course AGMC 326 Not Found</a>	
<a href="#">AGRO 350</a>	<a href="#">Soils</a>	<a href="#">3</a>
<a href="#">PLSS 350</a>	<a href="#">Course PLSS 350 Not Found</a>	<a href="#">3</a>
<a href="#">AGRI 391</a>	<a href="#">Course AGRI 391 Not Found</a>	<a href="#">2</a>
<a href="#">AGRI 392</a>	<a href="#">Course AGRI 392 Not Found</a>	<a href="#">1</a>
<a href="#">AGRI 393</a>	<a href="#">Course AGRI 393 Not Found</a>	<a href="#">3</a>

<u>AGRI 397</u>	Agriculture Career Planning	1
<u>AGRI 398</u>	<del>Seminar</del>	<del>4</del>
<u>AGRI 494</u>	Contemporary Agricultural Issues	3
<u>AGRI 498</u>	<u>Course AGRI 498 Not Found</u>	<u>1</u>
<b>Agriculture Electives</b>		
<del>Select 7 hours of 300-400 level electives from any AGECE, AGED, AGMC, AGRI, AGRO, ANSC, or HORT courses</del>		<del>7</del>
<u>Select 9 hours of 300-400 level agriculture courses from AGECE, AGED, AGRI, AGSY, ANSC, or PLSS</u>		<u>9</u>
Select 12 hours of other agriculture courses from AGECE, AGED, AGRI, AGSY, ANSC, or PLSS. At least 6 of those hours must be 300-400 level. <sup>1</sup>		12
Total Hours		48

<sup>1</sup> Students may pursue a minor in lieu of the 12 hours of Agriculture electives.

## Applied Horticulture and ~~ConcentrationHorse Science Concentration~~ Turf Systems Concentration

### Basic Agriculture Courses

<del>AGRO 110</del>	<del>Introduction to Plant Science</del>	<del>3</del>
<u>PLSS 110</u>	<u>Course PLSS 110 Not Found</u>	<u>3</u>
<u>ANSC 140</u>	Introduction to Animal Science	3
<u>AGEC 160</u>	Introduction to Agribusiness and Agricultural Entrepreneurship	3
<del>AGMC 170</del> & <del>AGMC 171</del>	<del>Introduction to Agricultural Mechanization</del> & <del>Introduction to Agricultural Mechanization Laboratory</del>	<del>3</del>
<u>AGSY 170</u>	<u>Course AGSY 170 Not Found</u>	<u>2</u>
<u>AGSY 171</u>	<u>Course AGSY 171 Not Found</u>	<u>1</u>
<u>AGRI 175</u>	University Experience - Agriculture	1
<u>AGSY 176</u>	<del>Agriculture Safety</del>	<del>2</del>
<u>AGRI 291</u>	<del>Introduction to Data Analysis and Interpretation</del>	<del>3</del>
or <u>AGRI 491</u>	<del>Data Analysis and Interpretation</del>	
Select one of the following:		3
<u>AGRO 320</u>	<del>Crop Physiology</del>	
<u>ANSC 345</u>	<del>Principles of Animal Nutrition</del>	
<u>AGEC 360</u>	<del>Agricultural Economics</del>	
<u>AGMC 326</u>	<u>Course AGMC 326 Not Found</u>	
<u>AGRO 350</u>	<del>Soils</del>	<del>3</del>

<u>PLSS 350</u>	<u>Course PLSS 350 Not Found</u>	<u>3</u>
<u>AGRI 391</u>	<u>Course AGRI 391 Not Found</u>	<u>2</u>
<u>AGRI 392</u>	<u>Course AGRI 392 Not Found</u>	<u>1</u>
<u>AGRI 393</u>	<u>Course AGRI 393 Not Found</u>	<u>3</u>
<u>AGRI 397</u>	Agriculture Career Planning	1
<u>AGRI 398</u>	Seminar	4
<u>AGRI 494</u>	Contemporary Agricultural Issues	3
<u>AGRI 498</u>	<u>Course AGRI 498 Not Found</u>	<u>1</u>

### Required Horticulture and Turf Systems Courses

<u>HORT 301</u>	<u>Introduction to Landscape Plants</u>	<u>2</u>
<u>HORT 302</u>	<u>Introduction to Landscape Plants Laboratory</u>	<u>4</u>
<u>HORT 313</u>	<u>Turfgrass Management</u>	<u>3</u>
<u>HORT 316</u>	<u>Greenhouse Maintenance and Operation</u>	<u>2</u>
<u>HORT 317</u>	<u>Greenhouse Maintenance and Operation Laboratory</u>	<u>4</u>
<u>HORT 407</u>	<u>Plant Propagation</u>	<u>2</u>
<u>HORT 408</u>	<u>Plant Propagation Laboratory</u>	<u>4</u>
<u>AGRO 111</u>	<u>Course AGRO 111 Not Found</u>	<u>4</u>
<u>AGRO 351</u>	<u>Course AGRO 351 Not Found</u>	<u>4</u>
<u>PLSS 301</u>	<u>Course PLSS 301 Not Found</u>	<u>2</u>
<u>PLSS 302</u>	<u>Course PLSS 302 Not Found</u>	<u>1</u>
<u>PLSS 313</u>	<u>Course PLSS 313 Not Found</u>	<u>3</u>
<u>PLSS 316</u>	<u>Course PLSS 316 Not Found</u>	<u>2</u>
<u>PLSS 317</u>	<u>Course PLSS 317 Not Found</u>	<u>1</u>
<u>PLSS 320</u>	<u>Course PLSS 320 Not Found</u>	<u>3</u>
<u>PLSS 351</u>	<u>Soils Laboratory</u>	<u>1</u>

### Horticulture and Turf Systems Electives

Select 6 credit hours from the following courses:		<u>6</u>
<u>HORT 340</u>	<u>Greenhouse Crop Production</u>	
<u>HORT 304</u>	<u>Landscape Maintenance</u>	
<u>HORT 305</u>	<u>Landscape Maintenance Laboratory</u>	
<u>HORT 403</u>	<u>Landscape Design and Construction</u>	
<u>HORT 404</u>	<u>Landscape Design and Construction Laboratory</u>	
<u>HORT 312</u>	<u>Introduction to Horticulture</u>	

HORT 419	Fruit, Vegetable, and Vineyard Production	
HORT 475	Selected Topics in Agriculture	
HORT 209	Floral Design	
AGRI 369	Cooperative Education in Agriculture II	
<u>Select 10 hours of agriculture courses from AGECE, AGED, AGRI, AGSY, ANSC, or PLSS.</u>		<u>10</u>
Total Hours		50

## Horse Science Concentration

### Basic Agriculture Courses

AGRO 110	Introduction to Plant Science	3
<u>PLSS 110</u>	<u>Course PLSS 110 Not Found</u>	<u>3</u>
or <u>PLSS 425</u>	<u>Course PLSS 425 Not Found</u>	
ANSC 140	Introduction to Animal Science	3
AGEC 160	Introduction to Agribusiness and Agricultural Entrepreneurship	3
AGMC 170 & AGMC 174	Introduction to Agricultural Mechanization and Introduction to Agricultural Mechanization Laboratory	3
<u>AGSY 170</u> & <u>AGSY 171</u>	<u>Course AGSY 170 Not Found</u> and <u>Course AGSY 171 Not Found</u>	<u>3.4</u>
or <u>PHYS 231</u> & <u>PHYS 232</u>	<u>Introduction to Physics and Biophysics I</u> <u>and Laboratory for Physics and Biophysics I</u>	
AGRI 175	University Experience - Agriculture	1
AGSY 176	Agriculture Safety	2
AGRI 291	Introduction to Data Analysis and Interpretation	3
or AGRI 491	Data Analysis and Interpretation	
Select one of the following:		3
AGRO 320	Crop Physiology	
<u>PLSS 350</u>	<u>Course PLSS 350 Not Found</u>	<u>3.5</u>
or <u>CHEM 340</u> & <u>CHEM 341</u>	<u>Organic Chemistry I</u> <u>and Organic Chemistry Laboratory I</u>	
<u>AGRI 391</u>	<u>Course AGRI 391 Not Found</u>	<u>2</u>
<u>AGRI 392</u>	<u>Course AGRI 392 Not Found</u>	<u>1</u>
<u>AGRI 393</u>	<u>Course AGRI 393 Not Found</u>	<u>3</u>
AGRI 397	Agriculture Career Planning	1
AGRI 398	Seminar	4

<u>AGRI 494</u>	Contemporary Agricultural Issues	3
<u>AGRI 498</u>	<u>Course AGRI 498 Not Found</u>	<u>1</u>
<b>Required Horse Science Courses</b>		
<u>ANSC 141</u>	<del>Introduction to Animal Science Laboratory</del>	<del>4</del>
<u>ANSC 330</u>	Horse Production	2
<u>ANSC 331</u>	Horse Production Laboratory	1
<del>ANSC 130</del>	<del>Introduction to Horse Science</del>	<del>2</del>
<del>ANSC 131</del>	<del>Horse Science Lab</del>	<del>4</del>
<u>ANSC 336</u>	Conformation and Performance Evaluation of Horses	3
<del>ANSC 342</del>	<del>Advanced Riding Maneuvers and Collection</del>	
<del>ANSC 350</del>	<del>Equine Career Opportunities</del>	
<u>ANSC 345</u>	Principles of Animal Nutrition	3
<del>AGEC 360</del>	<del>Agricultural Economics</del>	
<u>AGMC 326</u>	<u>Course AGMC 326 Not Found</u>	
<del>AGRO 350</del>	<del>Soils</del>	<del>3</del>
<u>ANSC 360</u>	Equine Events Management	3
<del>ANSC 448</del>	<del>Animal Feeds and Feeding Practices</del>	
<del>ANSC 475</del>	<del>Selected Topics in Agriculture</del>	
<del>ANSC 240</del>	<del>Livestock Management</del>	
<del>ANSC 241</del>	<del>Livestock Management Laboratory</del>	
<del>ANSC 347</del>	<del>Animal Pathology</del>	
<del>ANSC 440</del>	<del>Advanced Livestock Evaluation and Selection</del>	
<del>ANSC 338</del>	<del>Introductory Livestock Evaluation and Selection</del>	
<del>ANSC 437</del>	<del>Physiology of Reproduction in Domestic Animals</del>	
<del>ANSC 438</del>	<del>Physiology of Reproduction in Domestic Animal Laboratory</del>	
<del>AGRO 420</del>	<del>Forage Crop Management</del>	
<u>AGRO 421</u>	<u>Course AGRO 421 Not Found</u>	
<u>ANSC 439</u>	Equine Reproduction and Breeding	3
<del>Select 10 credit hours from the following:</del>		<del>40</del>
<del>ANSC 232</del>	<del>Basic Equitation</del>	
<del>ANSC 333</del>	<del>Horse Training</del>	
<del>ANSC 334</del>	<del>Horse Training Laboratory</del>	
<b><u>Horse Science Electives</u></b>		<b><u>8</u></b>

Select courses from AGECE, AGED, AGRI, AGSY, ANSC, or PLSS.

<u>BIOL 226</u>	<u>Microbial Biology and Diversity</u>
<u>BIOL 227</u>	<u>Microbial Biology and Diversity Lab</u>
<u>BIOL 319</u>	<u>Introduction to Molecular and Cell Biology</u>
<u>BIOL 322</u>	<u>Introduction to Molecular and Cell Biology Laboratory</u>
<u>BIOL 327</u>	<u>Genetics</u>
<u>BIOL 330</u>	<u>Animal Physiology</u>
<u>BIOL 331</u>	<u>Animal Physiology Laboratory</u>

Total Hours

50-53

~~and Golf Course Management~~~~Basic Agriculture Courses~~

<del>AGRO-110</del>	<del>Introduction to Plant Science</del>	<del>3</del>
<del>ANSC-140</del>	<del>Introduction to Animal Science</del>	<del>3</del>
<del>AGEC-160</del>	<del>Introduction to Agribusiness and Agricultural Entrepreneurship</del>	<del>3</del>
<del>AGMC-170 &amp; AGMC-171</del>	<del>Introduction to Agricultural Mechanization and Introduction to Agricultural Mechanization Laboratory</del>	<del>3</del>
<del>AGRI-175</del>	<del>University Experience – Agriculture</del>	<del>4</del>
<del>AGSY-176</del>	<del>Agriculture Safety</del>	<del>2</del>
<del>AGRI-291</del>	<del>Introduction to Data Analysis and Interpretation</del>	<del>3</del>
<del>or AGRI-491</del>	<del>Data Analysis and Interpretation</del>	

~~Select one of the following:~~~~3~~

<del>AGRO-320</del>	<del>Crop Physiology</del>	
<del>ANSC-345</del>	<del>Principles of Animal Nutrition</del>	
<del>AGEC-360</del>	<del>Agricultural Economics</del>	
<del>AGMC-326</del>	<del>Course AGMC-326 Not Found</del>	
<del>AGRO-350</del>	<del>Soils</del>	<del>3</del>
<del>AGRI-397</del>	<del>Agriculture Career Planning</del>	<del>4</del>
<del>AGRI-398</del>	<del>Seminar</del>	<del>4</del>
<del>AGRI-494</del>	<del>Contemporary Agricultural Issues</del>	<del>3</del>

~~Turf and Golf Course Management Courses~~

<del>HORT-313</del>	<del>Turfgrass Management</del>	<del>3</del>
<del>AGMC-272</del>	<del>Course AGMC-272 Not Found</del>	<del>2</del>
<del>AGMC-273</del>	<del>Course AGMC-273 Not Found</del>	<del>4</del>

AGMC-392	Turf Irrigation	2
AGMC-393	Turf Irrigation Laboratory	4
AGRI-369	Cooperative Education in Agriculture II	3
Select 9 hours from the following:		9
HORT-301	Introduction to Landscape Plants	
HORT-302	Introduction to Landscape Plants Laboratory	
HORT-304	Landscape Maintenance	
HORT-305	Landscape Maintenance Laboratory	
HORT-340	Greenhouse Crop Production	
HORT-407	Plant Propagation	
HORT-408	Plant Propagation Laboratory	
HORT-475	Selected Topics in Agriculture	
AGMC-270	Course AGMC-270 Not Found	
AGMC-271	Course AGMC-271 Not Found	
AGMC-371	Agricultural Mechanics	
AGMC-372	Agricultural Mechanics Laboratory	
AGRO-310	Pest Management	
AGRO-351	Course AGRO-351 Not Found	
AGRO-352	Soil Fertility and Fertilizers	
AGRO-409	Weed Science	
AGRO-410	Weed Science Laboratory	
AGRO-418	Plant Pathology	
Total Hours		0

4-Year Plan

## Finish in Four Plans

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### ~~Agribusiness Agriculture Systems~~

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First-Year

Fall	Hours	Spring	Hours
ENG-100	3	COMM-145	3
MATH-115	3	AGEC-160	3
CHEM-105 & CHEM-106	4	ANSC-140	3
AGMC-170 & AGMC-171	3	CHEM-107 & CHEM-108	4

## First-Year

Fall	Hours	Spring	Hours
AGRI-175	1	HIST-101 or HIST-102	3
AGSY-176	2	-	
-	0	-	0

## Second-Year

Fall	Hours	Spring	Hours
ENG-200	3	AGRI-294	3
AGRO-110	3	AGMC-326	3
BIOL-120 & BIOL-121	4	Colonnade--Social & Behavioral Science	3
AGRO-350 & AGRO-351	4	Colonnade--Arts & Humanities	3
AG ELECTIVE	3	World Language Requirement, if needed, or General Elective	3
-	0	-	0

## Third-Year

Fall	Hours	Spring	Hours
MFGE-227	3	AGRI-398	4
AGMC-425	3	AGEC-366	3
ENG-300	3	AGMC-377 & AGMC-378	3
Colonnade--Social & Cultural Agriculture Elective	3	AGRI-397	4
-	3	Agriculture Elective	3
-	0	Agriculture Elective	3
-	0	-	0

## Fourth-Year

Fall	Hours	Spring	Hours
AGRI-369	1-4	AGRI-494	3
Agriculture Elective	3	AGMC-373 & AGMC-374	3
Agriculture Elective	3	Agriculture Elective	3
Agriculture Elective	3	Colonnade--Systems	3
Colonnade--Local to Global	3	-	
-	0	-	0

## Total Hours 0

## First Year

Fall	Hours	Spring	Hours
AGEC-160	3	AGMC-170 & AGMC-171	3
AGSY-176	2	ANSC-140	3
AGRI-175	1	AGSY-170 & AGSY-171	3
CHEM-105 & CHEM-106	4	CHEM-107 & CHEM-108	4
ENG-100	3	COMM-145	3
MATH-115	3	HIST-101 or HIST-102	3

## First Year

Fall	Hours	Spring	Hours
	14		16

## Second Year

Fall	Hours	Spring	Hours
<a href="#">AGEC 261</a>	3	<del>AGRI 294</del>	<del>3</del>
<del>AGRO 110</del>	<del>3</del>	<del>AGRO 350</del>	<del>3</del>
<a href="#">BIOL 120</a>	4	<a href="#">AGRI 391</a>	<a href="#">3</a>
& <a href="#">BIOL 121</a>		& <a href="#">AGRI 392</a>	
<a href="#">PLSS 110</a>	<a href="#">3</a>	<a href="#">PLSS 350</a>	<a href="#">3</a>
Colonnade - Arts & Humanities	3	Agriculture Elective - Upper Division	1
<a href="#">ENG 200</a>	3	Colonnade - Social & Behavioral Sciences	3
		Connections - Social & Cultural	3
		World Language Requirement or General Elective	3
	16		16

## Third Year

Fall	Hours	Spring	Hours
<a href="#">AGEC 360</a>	3	<a href="#">AGEC 361</a>	3
<a href="#">AGRI 397</a>	1	<a href="#">AGEC 366</a>	3
Agriculture Upper Division Elective	3	Agriculture Upper-Division Elective	3
Connections - Local to Global	3	Connections - Systems	3
<a href="#">ENG 300</a>	3	General Elective	3
Agriculture Elective	3		
	16		15

## Fourth Year

Fall	Hours	Spring	Hours
<a href="#">AGEC 362</a>	3	<a href="#">AGEC 463</a>	3
<del>AGRI 398</del>	<del>4</del>	<a href="#">AGRI 494</a>	3
General Elective - Upper Division	3	General Elective - Upper Division	2
General Elective - Upper Division	3	Agriculture Elective	3
General Elective	3	<a href="#">AGRI 498</a>	<a href="#">1</a>
		<a href="#">AGRI 393</a>	<a href="#">3</a>
	12		15

Total Hours 120

## ***Agricultural Education Agronomy***

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## First Year

Fall	Hours	Spring	Hours
<a href="#">ENG 100</a>	3	<a href="#">ENG 200</a>	3
Colonnade - Arts & Humanities	3	<a href="#">AGED 250</a>	3
<a href="#">ANSC 140</a>	3	<del>AGRO 110</del>	<del>3</del>
<a href="#">AGRI 175</a>	1	<a href="#">COMM 145</a>	3
<a href="#">AGED 200</a>	1	<a href="#">AGMC 170</a>	<del>3</del>
		& <a href="#">AGMC 171</a>	
Colonnade - Social & Behavioral	3	<a href="#">PLSS 110</a>	<a href="#">3</a>

## First Year

Fall	Hours	Spring	Hours
<u>AGSY 176</u>	2	<u>AGSY 170</u> & <u>AGSY 171</u>	<u>3</u>
	14		15

## Second Year

Fall	Hours	Spring	Hours
<u>MATH 115</u> (or higher)	3	<u>AGED 300</u>	3
<u>AGRI 398</u>	4	<u>AGED 489</u>	1-3
<u>EDU 260</u>	3	<u>AGEC 160</u>	3
<u>HORT 316</u> & <u>HORT 317</u>	3	<u>CHEM 107</u> & <u>CHEM 108</u>	4
<u>CHEM 105</u> & <u>CHEM 106</u>	4	<u>AGRO 320, ANSG 345, AGECE 360, or</u> <u>AGMC 326</u>	<u>3</u>
<u>PLSS 316</u> & <u>PLSS 317</u>	<u>3</u>	<u>AGRI 393</u>	<u>3</u>
World Language Requirement, if needed, or General Elective	3		
	16		16

## Third Year

Fall	Hours	Spring	Hours
<u>HIST 101</u> or <u>HIST 102</u>	3	Agriculture Elective	3
<u>PSY 310</u>	3	<u>SPED 330</u>	3
<u>AGRI 291</u>	3	<u>AGRO 350</u>	<u>3</u>
<u>ENG 300</u>	3	<u>EDU 360</u>	3
<u>AGRI 391</u> & <u>AGRI 392</u>	<u>3</u>	<u>PLSS 350</u>	<u>3</u>
<u>BIOL 120</u> & <u>BIOL 121</u>	4	<u>AGED 471</u>	3
<u>EDU 350</u>	3	Connections - Social & Cultural	3
	19		18

## Fourth Year

Fall	Hours	Spring	Hours
<u>AGED 470</u>	3	<u>EDU 489</u>	2-3
Connections - Systems	3	<u>SEC 490</u>	5-10
<u>AGMC 371</u> & <u>AGMC 372</u>	3		
<u>AGRI 397</u>	1		
<u>AGSY 371</u> & <u>AGSY 372</u>	<u>3</u>		
<u>AGRI 494</u>	3		
Connections - Local to Global	3		
<u>LTCY 497</u>	0		
<u>AGRI 498</u>	<u>1</u>		
	17		13

Total Hours 128

## Plant and Science Agronomy– Soil Science

### First Year

Fall	Hours	Spring	Hours
ENG-100	3	COMM-145	3
CHEM-105 & CHEM-106	4	AGRI-108	3
AGRO-110	3	CHEM-107 & CHEM-108	4
AGRI-175	4	MATH-115	3
AGMC-170 & AGMC-171	3	AGSY-176	2
-	0	-	0

### Second Year

Fall	Hours	Spring	Hours
ENG-200	3	ANSC-140	3
BIOL-120 & BIOL-121	4	AGRI-291	3
Colonnade – Social & Behavioral Sciences	3	AGRO-320	3
Colonnade – Arts & Humanities	3	AGRI-397	4
AGRO-350 & <span style="border: 1px solid black; padding: 2px;">AGRO-351</span>	<span style="border: 1px solid black; padding: 2px;">4</span>	HIST-101 or HIST-102	3
-	0	World Language Requirement or General Elective	3
-	0	-	0

### Third Year

Fall	Hours	Spring	Hours
ENG-300	3	AGRI-398	4
AGRO-352	3	AGRO-454	3
<span style="border: 1px solid black; padding: 2px;">AGRO-459</span>	3	Agronomy Plant Elective	3
AGEC-160	3	Colonnade – Local to Global	3
Agronomy Plant Elective	3	Agriculture upper-division Elective	3
-	0	<span style="border: 1px solid black; padding: 2px;">COLONNADE - SOCIAL AND CULTURAL</span>	3
-	0	-	0

### Fourth Year

Fall	Hours	Spring	Hours
AGRO-457 & AGRO-458	3	AGRI-494	3
Colonnade – Systems	3	AGRO-452	3
Agriculture Elective	3	Agriculture Elective	3
Agriculture Elective	3	Agriculture Elective	3
Agriculture Elective	3	<span style="border: 1px solid black; padding: 2px;">AGRICULTURE ELECTIVE</span>	2
-	0	-	0

Total Hours 0

### First Year

Fall	Hours	Spring	Hours
<span style="border: 1px solid black; padding: 2px;">ENG 100</span>	<span style="border: 1px solid black; padding: 2px;">3</span>	<span style="border: 1px solid black; padding: 2px;">COMM 145</span>	3

First Year

Fall	Hours	Spring	Hours
<u>MATH 115</u>	3	<u>CHEM 107</u>	4
		& <u>CHEM 108</u>	
<u>CHEM 105</u>	4	<u>AGEC 160</u>	3
& <u>CHEM 106</u>			
<u>AGRO-110</u>	4	<u>ANSC 140</u>	3
& <u>AGRO-111</u>			
<u>AGSY 170</u>	3	<u>HIST 101</u> or <u>HIST 102</u>	3
& <u>AGSY 171</u>			
<u>PLSS 110</u>	3		
<u>AGRI 175</u>	1		
<u>AGSY-176</u>	2		
	17		16

Second Year

Fall	Hours	Spring	Hours
<u>ENG 200</u>	3	World Language Requirement or General Elective	3
<u>AGMC-170</u>	3	<u>AGRO-310</u>	3
& <u>AGMC-171</u>			
<u>BIOL 120</u>	4	<u>AGRI-294</u>	3
& <u>BIOL 121</u>			
Colonnade – Social & Behavioral Sciences	3	<u>AGRO-320</u>	3
<u>AGRO-350</u>	4	<u>AGRI-397</u>	4
& <u>AGRO-354</u>			
<u>AGRI 391</u>	3	<u>PLSS 310</u>	3
& <u>AGRI 392</u>			
<u>PLSS 350</u>	4	<u>PLSS 320</u>	3
& <u>PLSS 351</u>			
	14	Colonnade - Arts & Humanities	3
		<u>COLONNADE - SOCIAL BEHAVIORAL</u>	3
			15

Third Year

Fall	Hours	Spring	Hours
<u>ENG 300</u>	3	Agriculture Elective	3
<u>AGRO-352</u>	3	Agriculture upper-division Elective	3
<u>AGRONOMY ELECTIVE</u>	3	<u>AGRONOMY ELECTIVE</u>	3
<u>AGRO-409</u>	3	<u>COLONNADE – SOCIAL &amp; CULTURAL</u>	3
& <u>AGRO-410</u>			
<u>AGRO-422</u>	3	<u>CONNECTIONS-SOCIAL CULTURAL</u>	3
<u>PLSS 352</u>	3	<u>AGRICULTURE ELECTIVE</u>	3
<u>AGRICULTURE ELECTIVE</u>	3	<u>AGRI 397</u>	1
<u>PLSS 422</u> or <u>PLSS 454</u>	3	<u>AGRI 393</u>	3
<u>AGRICULTURE ELECTIVE</u>	3	<u>PLSS 452</u> or <u>PLSS 425</u>	3
	15		16

Fourth Year

Fall	Hours	Spring	Hours
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First Year

Fall	Hours	Spring	Hours
Connections - Local to Global	3	<u>AGRI 494</u>	3
<u>AGRI 369</u>	2	Agriculture Elective	3
<u>AGRONOMY ELECTIVE</u>	3	<u>AGRONOMY ELECTIVE</u>	3
<u>AGRONOMY ELECTIVE</u>	3	Connections - Systems	3
<u>AGRONOMY ELECTIVE</u>	3	<u>AGRI 398</u>	4
<u>AGRICULTURE ELECTIVE</u>	3	<u>AGRICULTURE ELECTIVE</u>	3
<u>AGRICULTURE ELECTIVE</u>	3	<u>AGRI 498</u>	1
<u>AGRICULTURE ELECTIVE</u>	3		
<u>AGRICULTURE ELECTIVE</u>	2		
	14		13
Total Hours 120			

## Animal Science

First Year

Fall	Hours	Spring	Hours
<u>ENG 100</u>	3	<u>COMM 145</u>	3
<u>MATH 115</u>	3	<u>AGRI 108</u>	3
<u>CHEM 105</u> & <u>CHEM 106</u> or <u>CHEM 120/121</u>	4,5	<u>AGRO-110</u>	3
<u>ANSC 140</u>	3	<u>CHEM 107</u> & <u>CHEM 108</u> or <u>CHEM 222/223</u>	4,5
<u>AGRI 175</u>	1	<u>AGSY 176</u>	2
		<u>AGRI or ANSC elective</u>	3
		<u>AGEC 160</u>	3
	14-15		13-14

Second Year

Fall	Hours	Spring	Hours
<u>ENG 200</u>	3	World Language Requirement or General Elective	3
<u>AGMC 170</u> & <u>AGMC 171</u>	3	AGRI or ANSC Elective	3
<u>ANSC 240</u> & <u>ANSC 241</u>	3	<u>AGRI 294</u>	3
<u>AGSY 170</u> & <u>AGSY 171</u> or <u>PHYS 231/232</u>	3	Colonnade - Arts & Humanities	3
<u>BIOL 120</u> & <u>BIOL 121</u>	4	<u>AGRI 391</u> & <u>AGRI 392</u>	3
Colonnade - Social & Behavioral Sciences	3	<u>ENG 300</u>	3
	16		15

Third Year

Fall	Hours	Spring	Hours
<u>HIST 101</u> or <u>HIST 102</u>	3	<u>AGRI 398</u>	4

## First Year

Fall	Hours	Spring	Hours
<del>AGRO 350</del>	<del>3</del>	<del>ANSC 446</del> & <del>ANSC 447 (or ANSC 437/438 or ANSC 439)</del>	<del>3</del>
<del>ANSC 345</del>	<del>3</del>	<del>AGEC 160</del>	<del>3</del>
<u>PLSS 350</u> or <u>CHEM 340/341</u>	<u>3,5</u>	Connections - Social & Cultural	3
AGRI or ANSC Elective	3	Connections - Local to Global	3
<u>ANSC 347</u>	3	ANSC Elective	3
		<u>ANSC 437</u>	<u>3</u>
		& <u>ANSC 438</u>	
		or <u>ANSC 439</u>	
		<u>PLSS 110</u> or <u>PLSS 425</u>	<u>3</u>
	15-17		15

## Fourth Year

Fall	Hours	Spring	Hours
<u>AGRI 397</u>	1	<u>AGRI 494</u>	3
Connections - Systems	3	Animal Science Elective	3
<u>ANSC ELECTIVE</u>	3	<u>ANSC ELECTIVE</u>	3
<u>ANSC ELECTIVE</u>	3	<u>ANSC 458</u>	3
AGRI or ANSC Elective	3	Animal Science Elective	3
<u>AGRI 393</u>	<u>3</u>	<u>AGRI 498</u>	<u>1</u>
<u>ANSC 458</u>	<u>3</u>	<u>ANSC ELECTIVE</u>	<u>3</u>
	16		16

Total Hours 120-124

## General Agriculture

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## First Year

Fall	Hours	Spring	Hours
<u>ENG 100</u>	3	<u>COMM 145</u>	3
<u>MATH 115</u>	3	<del>AGRI 108</del>	<del>3</del>
<u>ANSC 140</u>	3	<del>AGRO 110</del>	<del>3</del>
<u>CHEM 105</u>	4	<u>PLSS 110</u>	<u>3</u>
& <u>CHEM 106</u>			
<u>AGRI 175</u>	1	<u>CHEM 107</u>	4
<del>AGSY 176</del>	<del>2</del>	& <u>CHEM 108</u>	
		Colonnade - Arts & Humanities	3
		<u>HIST 101 or HIST 102</u>	<u>3</u>
	14		16

## Second Year

Fall	Hours	Spring	Hours
<u>ENG 200</u>	3	World Language Requirement or General Elective	3
<u>AGEC 160</u>	3	<del>AGRI 294</del>	<del>3</del>
<u>BIOL 120</u>	4	<del>HIST 101 or HIST 102</del>	<del>3</del>
& <u>BIOL 121</u>			
Colonnade - Social & Behavioral	3	<u>ENG 300</u>	3

## First Year

Fall	Hours	Spring	Hours
<u>Agriculture Elective</u>	<u>2</u>	AGRO 320, ANSC 345, AGECE 360, or AGMC 326 AGRI 391 & AGRI 392 Agriculture Elective Agriculture Elective	3 <u>3</u> <u>3</u> <u>3</u>
	15		15

## Third Year

Fall	Hours	Spring	Hours
Connections - Social & Cultural AGRO 350 AGMC 170 & AGMC 171 PLSS 350 AGSY 170 & AGSY 171	3 3 3 <u>3</u> <u>3</u> <u>3</u>	AGRI 397 ANSC Elective PLSS Elective AGECE Elective Agriculture Elective Agriculture Elective	1 3 3 3 3 3
Animal Sciences Elective	3	Agriculture Elective	3
Agriculture Elective	3		
	15		16

## Fourth Year

Fall	Hours	Spring	Hours
AGRI 398	4	AGRI 494	3
AGECE Elective	3	PLSS Elective	3
Agriculture Elective	3	Agriculture Elective	3
Agriculture Elective	3	Agriculture Elective	3
Agriculture Elective	1	Connections - Systems	3
Connections - Local to Global	3	AGRI 498	<u>1</u>
	13		16

Total Hours 120

## Applied Horticulture and Horse Science Turf Systems

## First Year

Fall	Hours	Spring	Hours
AGRO 110 & AGRO 111	<u>4</u>	COMM 145	3
MATH 115	3	ANSC 140	3
Colonnade - Arts & Humanities	3	AGMC 170 & AGMC 171	3
PLSS 110	<u>3</u>	CHEM 105 & CHEM 106	4
ENG 100	3	AGSY 170 & AGSY 171	<u>3</u>
AGRI 175	1	World Language Requirement or General Elective	3

First Year

Fall	Hours	Spring	Hours
<del>AGSY 176</del>	<del>2</del>	<u>CHEM 107</u> & <u>CHEM 108</u>	<u>4</u>
<u>CHEM 105</u> & <u>CHEM 106</u>	<u>4</u>		
	14		16

Second Year

Fall	Hours	Spring	Hours
<del>GHEM 107</del> & <del>CHEM 108</del>	<del>4</del>	<del>AGRO 320</del>	<del>3</del>
<u>BIOL 122</u> & <u>BIOL 123</u>	4	<del>AGRO 350</del> & <del>AGRO 351</del>	<u>4</u>
<del>HORT 301</del> & <del>HORT 302</del>	<del>3</del>	<u>PLSS 320</u>	<u>3</u>
<u>HIST 101</u> or <u>HIST 102</u>	3	<u>PLSS 350</u> & <u>PLSS 351</u>	<u>4</u>
<u>PLSS 301</u> & <u>PLSS 302</u>	<u>3</u>	Horticulture/Turf Elective	3
Colonnade - Social & Behavioral <u>Agriculture Elective</u>	3 <u>3</u>	<u>ENG 200</u>	3
	16		13

Third Year

Fall	Hours	Spring	Hours
<del>HORT 316</del> & <del>HORT 317</del>	<del>3</del>	<u>AGEC 160</u>	3
<del>HORT 313</del> <u>PLSS 316</u> & <u>PLSS 317</u>	<del>3</del> <u>3</u>	Connections - Social & Cultural Horticulture/Turf Elective	3 3
<u>PLSS 313</u> Horticulture/Turf Elective	<u>3</u> 3	<del>AGRI 108</del> <u>HORT ELECTIVE</u>	<del>3</del> 2
Agriculture Elective	3	<u>Horticulture/Turf Elective</u>	<u>3</u>
<u>ENG 300</u>	3	<u>Colonnade - Arts and Humanities</u>	<u>3</u>
	15		15

Fourth Year

Fall	Hours	Spring	Hours
<u>AGRI 397</u> <del>AGRI 491</del> or <del>AGRI 291</del>	1 <del>3</del>	<del>AGRI 398</del> <del>HORT 407</del> & <del>HORT 408</del>	<del>4</del> <del>3</del>
<del>AGRI 494</del> <u>AGRI 391</u> & <u>AGRI 392</u>	<del>3</del> <u>3</u>	<u>HORT ELECTIVE</u> <u>AGRI 498</u>	<del>3</del> <u>1</u>
Horticulture/Turf Elective	3	<u>PLSS 407</u>	<u>3</u>
Connections - Local to Global	3	Horticulture/Turf Elective	3
<del>Colonnade - Local to Global</del> <u>AGRI 393</u>	<del>3</del> <u>3</u>	Horticulture/Turf Elective <u>Connections - Systems</u>	3 <u>3</u>
<u>Agriculture Elective</u>	<u>2</u>	<u>AGRI 494</u>	<u>3</u>

First Year

Fall	Hours	Spring	Hours
	15		16
Total Hours 120			

## Horse Science

First Year

Fall	Hours	Spring	Hours
<u>ENG 100</u>	3	<u>COMM 145</u>	3
<u>MATH 115</u>	3	<del>AGRO 110</del>	<del>3</del>
<u>CHEM 105</u> & <u>CHEM 106</u>	4	<u>ANSC 140</u>	<del>3</del>
<u>AGRI 175</u>	1	<u>ANSC 141</u>	4
<u>ANSC 130</u>	2	<u>PLSS 110</u>	<u>3</u>
<u>ANSC 131</u>	4	<u>CHEM 107</u> & <u>CHEM 108</u>	4
<u>ANSC 140</u>	<u>3</u>	<u>AGSY 176</u> <u>AGSY 170</u> & <u>AGSY 171</u> <u>ANSC/Horse Science Elective</u>	<del>2</del> <u>3</u>  <u>3</u>
	14		16

Second Year

Fall	Hours	Spring	Hours
<u>ENG 200</u>	3	<u>AGRI 391</u> & <u>AGRI 392</u>	<u>3</u>
<u>AGMC 170</u> & <u>AGMC 171</u>	3	<u>ENG 300</u>	3
<u>BIOL 120</u> & <u>BIOL 121</u>	4	<u>ANSC 331</u>	4
<u>ANSC ELECTIVE</u>	3	<u>ANSC 330</u> & <u>ANSC 331</u>	3
<u>AGEC 160</u>	<u>3</u>		
<u>ANSC 232</u>	<u>3</u>	Colonnade - Social/Behavioral	3
World Language or General Elective	3	<u>AGRI 294</u>	<del>3</del>
		Colonnade - Arts and Humanities	3
	16		15

Third Year

Fall	Hours	Spring	Hours
<u>HIST 101</u> or <u>HIST 102</u>	3	<u>AGRI 398</u>	4
<u>AGRO 350</u>	3	<u>AGEC 160</u>	<del>3</del>
<u>ANSC 345</u>	3	Connections - Social/Cultural	3
<u>ANSC 232</u>	<del>2</del>	<u>ANSC ELECTIVE</u>	3
<u>PLSS 350</u>	<u>3</u>	<u>ANSC 439</u>	3
<u>AGRI 369</u>	1	Connections - Local to Global	3
<u>ANSC ELECTIVE</u>	3		
<u>ANSC 336</u>	<u>3</u>		
<u>AGRI 393</u>	<u>3</u>		

First Year

Fall	Hours	Spring	Hours
	16		12

Fourth Year

Fall	Hours	Spring	Hours
<u>AGRI 397</u>	1	<u>AGRI 494</u>	3
Animal/Equine Science Elective	3	Animal/Equine Science Elective	3
Agriculture Elective	3	<u>ANSC ELECTIVE</u>	3
<u>Connections - Systems</u>	<u>3</u>	<u>ANSC ELECTIVE</u>	3
<u>AGRI 369</u>	2	<u>AGRI 369</u>	4
<u>ANSC ELECTIVE</u>	3	Animal/Equine Science Elective	3
		<u>AGRI 498</u>	<u>1</u>
	15		16

Total Hours 120

~~and Golf Course Management~~

First-Year

Fall	Hours	Spring	Hours
ENG 100	3	COMM 145	3
MATH 115	3	AGSY 176	2
CHEM 105	4	AGMC 170	3
& CHEM 106		& AGMC 171	
AGRO 110	3	CHEM 107	4
		& CHEM 108	
AGRI 175	4	Colonnade: Arts & Humanities	3
-	0	-	0

Second-Year

Fall	Hours	Spring	Hours
ENG 200	3	World Language (if needed) or General Elective	3
ANSC 140	3	AGRI 291	3
BIOL 120	4	AGRO 320	3
& BIOL 121			
Colonnade -- Social & Behavioral	3	HIST 101 or HIST 102	3
HORT 313	3	ENG 300	3
-	0	-	0

Third-Year

Fall	Hours	Spring	Hours
Connections -- Social and Cultural	3	AGRI 397	4
AGRO 350	<u>4</u>	<u>AGMC 270</u>	<u>3</u>
& <u>AGRO 351</u>		& <u>AGMC 271</u>	
AGEC 160	3	<u>AGMC 272</u>	<u>3</u>
		& <u>AGMC 273</u>	
Connections -- Local to Global	3	Elective Course (AGRI, HORT, AGECE, AGRO)	3
<u>AGEC 260</u>	3	HORT 301	3
		& HORT 302	
-	0	-	0

Fourth-Year

Fall	Hours	Spring	Hours
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**First Year**

Fall	Hours	Spring	Hours
AGRI-398	4	AGRI-494	3
AGMC-392 & AGMC-393	3	Elective Course (AGRI, HORT, AGECE, AGRO)	3
Elective Course (AGRI, HORT, AGECE, AGRO)	3	Elective Course (AGRI, HORT, AGECE, AGRO)	3
Elective Course (AGRI, HORT, AGECE, AGRO)	3	Elective Course (AGRI, HORT, AGECE, AGRO)	3
AGRI-369	3	Elective Course (AGRI, HORT, AGECE, AGRO)	3
Connections—Systems	3	-	
-	0	-	0
<b>Total Hours</b>	<b>0</b>		

Will this program be managed or owned by more than one department?

No

Does this program include courses from outside your department?

Yes

Outside Courses

Details

Who approved including these courses?	When were they approved?
Unknown since they were approved long ago	Unknown

Please insert one Learning Outcome per box. Click green plus sign for additional LO boxes

Learning Outcomes  
and Measurement  
Plan

	List all student learning outcomes of the program.	Measurement Plan
SLO 1	Students will demonstrate the ability to assimilate, analyze, and effectively communicate agricultural research data.	Assess student oral presentation skills. A standardized rubric is utilized by faculty to evaluate content knowledge, mechanics and delivery, quality of visuals and organization and clarity.
SLO 2	Students will demonstrate the ability to effectively interpret issues pertinent to the agriculture discipline.	Assess student learning related to pertinent agricultural issues that generate debate among industry, consumers and advocacy groups. Analysis of essay-format exams (3 per semester) via a standardized rubric.

	<b>List all student learning outcomes of the program.</b>	<b>Measurement Plan</b>
SLO 3	Students will demonstrate proficiency in agriculture career preparation.	Assess student performance on a mock job interview via a standardized rubric. Mock interviews are facilitated by Advising and Career Development Center personnel. Proficiency in resume and cover letter development is also assessed.

Assessment Template: [https://www.wku.edu/academicaffairs/ee/assurance\\_learning\\_resources.php](https://www.wku.edu/academicaffairs/ee/assurance_learning_resources.php)

Upload Assessment  
Plan

## Delivery Mode

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Is 25% or more of this program offered at a location other than main campus?

No

Enter Location(s)  
and Percentage of  
Program Offered at  
Location(s)

Is 50% or more of this program offered by distance education (online asynchronous, online synchronous, connected classrooms, etc.)?

No

Do you plan to offer 100% of this program online?

No

If no, enter the percentage of the program that  
will be taught online.

0

Do you plan to offer 100% of this program face-to-face?

Yes

Do you plan to offer at least 25% of this program as a direct assessment competency-based educational program?

No

Are there any in-person on-campus requirements?

Yes

If YES, please explain:

Does this program have experiential learning (practicum/internship/clinical)?

Yes

If YES, how is a student required to complete the experience? In-Person

Does this program lead to professional licensure (excluding teaching certification)?

No

## Library Resources

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Library Resources [Library Resources Form for New Program Course Proposals - Western Kentucky University.pdf](#)

Click here <https://www.wku.edu/library/services/access/faculty/resourcesform.php> for link to the Library Resources Form.

## Rationale

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Rationale for the program proposal?

To better address the curricular needs of 21st century agriculture students by updating required core course offerings. Additionally, concentrations within the major have been reduced from 11 to 7 in order to simplify and streamline the curriculum.

Additional Attachments

Additional information or attachments

Reviewer Comments

Key: 343