

B.S. Agricultural & Food Systems  
Agricultural Education Major  
Advising Sheet 2021-2022

**University Common Requirements (UCORE):**

34 credit minimum required, with no more than three, three-credit courses within the major.

First Year Experience (3 credits) [ROOT]	Credits	Term	Grade	Offered
HISTORY 105: Roots of Contemporary Issues	3			F, S, SS

Foundational Competencies (9 credits minimum)	Credits	Term	Grade	Offered
<i>Written Communication (3) [WRTG]</i>				
ENGLISH 101: Introductory Writing	3			F, S, SS
<i>Communication (3) [COMM] [WRTG]</i>				
ENGLISH 201: Writing & Research	3			F, S, SS
<i>Quantitative Reasoning (3) [QUAN]</i>				
STAT 212: Intro to Stat Methods or MATH 140: Calc. for Life Sci or MATH 171: Calc I or MATH 202: Calc for Business & Econ	3 - 4			MATH 140: F, S OTHER: F, S, SS

Ways of Knowing (16 credits minimum)	Credits	Term	Grade	Offered
<i>Inquiry in the Social Sciences (3) [SSCI]</i>				
ECONS 101: Fundamental Microeconomics	3			F, S, SS
<i>Inquiry in the Humanities (3) [HUM]</i>				
Elective	3			F, S, SS
<i>Inquiry in the Creative and Professional Arts (3) [ARTS]</i>				
Elective	3			F, S, SS
<i>Inquiry in the Natural Sciences (7 minimum) [BSCI] [PSCI] [SCI]</i>				
Major requirements (two of the three): BIOLOGY 106: Intro to Organismal or BIOLOGY 107: Intro to Cell Bio & Genetics or BIOLOGY 120: Intro to Botany [BSCI]				
CHEM 101: Intro to Chem or CHEM 105: Prin. of Chem I [PSCI]	4			BIO 106: F, S, SS BIO 107: F, S, SS BIO 120: F
	4			F, S, SS

Integrative and Applied Learning (6 credits minimum)	Credits	Term	Grade	Offered
<i>Diversity (3) [DIVR]</i>				
Elective	3			F, S, SS
<i>Integrative Capstone (3) [CAPS]</i>				
AGED 407: Student Teaching in Agricultural Education	8			S

**Agricultural & Food Systems Core Requirements:**

Course	Credits	Term	Grade	Offered
BIOLOGY 106, BIOLOGY 107, or BIOLOGY 120	4			See above
CHEM 102: Chem Related to Life Sciences or CHEM 106: Princ. Of Chem II	4			CHEM 102: F, S, SS CHEM 106: F, S, SS
AFS 201: System Skills Development for AFS	3			F
ANIM_SCI 101: Introduction to Animal Science	3			F, S
CROP_SCI/HORT 102: Cultivated Plants	3			F, S online
SOIL_SCI 201: Soil: A Living System	3			F, S
CROP_SCI 360: World Agricultural Systems	3			F, S online
ECONS 350: Intro to Farm & Ranch Mgmt., ECON 351 Intro to Food & Ag Markets or ECONS 352: Business Mgmt. Economics	3			ECONS 350: F ECONS 351: S ECONS 352: S
<i>Three credits from the following systems based courses:</i>				
AFS 336: Ag, Environment, & Community (3)(F); AGTM 310: Small Engine Maintenance & Repair (3)(F); AGTM 330: Electrical Power Systems for Ag (3)(S); CROP_SCI 302: Forage Crops (3)(S odd); ECONS 351: Intro Food/Ag Mkts (3)(F); HORT 320: Olericulture (3)(F odd); SOE 300 Natural Resource Ecology (3) (F,S); SOIL_SCI 368: Intro to GIS (3)(F) or other systems courses approved by your advisor	3			

**Agricultural Education Major Requirements:**

Course	Credits	Term	Grade	Offered
AG_ED 110: Introduction to Agricultural Education	2			F
AGTM 201: Metal Fabrication	3			F, S, SS
AGTM 402: Methods, Materials, & Mach for Teaching Ag Mech	3			S
TCH_LRN 301: Learning & Development	3			F, S
TCH_LRN 317: Initial Practicum Experience	2			SS
TCH_LRN 464: Curriculum, Instruction, & Content Methods	3			F, S
TCH_LRN 465: Culture & Community Contexts of Ed	3			F, S
TCH_LRN 466: Secondary Methods of Ed Technology	2			F, S
TCH_LRN 467: [M] Diversity, Classroom Life & Management	3			F, S
ED_PSYCH 468: Classroom Assessment	3			F, S
TCH_LRN 469: Advanced Practicum	2			F, S
TCH_LRN 470: ESL/Special Education Methods	3			F, S
TCH_LRN 415: Student Teaching	8			F, S
AG_ED 440: [M] Principles of Career & Technical Education	2			F
AG_ED 450: Planning, Curriculum, & Techniques in Ag Ed	3			F
AG_ED 471: Student Organizations in Ag Ed	2			F
AG_ED 407: Student Teaching	8			F, S

**Agricultural Upper Division Electives\* (9 credits minimum\*\*):**

Course	Credits	Term	Grade	Offered
	3			F, S, SS
	3			F, S, SS
	3			F, S, SS

**CHECK LIST FOR THIS MAJOR:**

Writing in the Major (2 courses) (T&L 467 & AGED 440 [M])		
Writing Portfolio (Junior Year)		
40 Upper Division credits		
UCORE	40-41 Credits	
AFS Core	29 Credits	
Agricultural Education Major	55 Credits	
Ag Upper Division Electives	12 Credits	
Total 136-137		

**NOTES:**

Students may be admitted to the Agricultural Education Major upon making their intention known to the department.

Admission to the Teacher Education Program requires a minimum 2.5 GPA.

\*The Agricultural Upper Division Electives are required for Teacher Certification in Agricultural Education. Any 300 or 400 level course with the following CAHNRS prefixes in AGED, AGTM, AFS, ANIM\_SCI, CROP\_SCI, ECONS, ENTOM, ENVR\_SCI, FS, HORT, IPM, LND\_ARCH, PL\_P, SOE, and SOIL\_SCI can be accepted to fulfill this requirement per advisor approval. Suggested to take AGED 430 and/or 431 for CASE Certification.

\*\*In addition to 3 credits required for the systems based course elective.

Last Updated 9/29/2021

FOUR-YEAR PLAN

	Fall Semester	Hours	Spring Semester	Hours
<b>First Year</b>	ENGLISH 101 [WRTG] BIOLOGY 120 [BSCI] CROP_SCI/HORT 102 AG_ED 110 HISTORY 105 [ROOT]	3 4 3 2 3	ENGLISH 201 [WRTG] BIOLOGY 106 or 107 <sup>4</sup> AGTM 201 Humanities [HUM] ANIM_SCI 101	3 4 3 3 3
<b>Second Year</b>	CHEM 101 [PSCI] ECONS 101 [SSCI] AFS 201 TCH_LRN 301 Creative and Professional Arts [ARTS]	4 3 3 3 3	CHEM 102 SOIL_SCI 201 STAT 212, MATH 140, 171, or 202 [QUAN] Diversity [DIVR] Ag Upper Division Elective <sup>1</sup>  <b>Apply to College of Education Complete Writing Portfolio</b>	4 3 3 or 4 3 4
<b>Summer Session</b>	TCH_LRN 317	2		
<b>Third Year</b>	ECONS 350 <sup>2</sup> CROP_SCI 360 AG_ED 471 Ag Upper Division Elective <sup>1</sup> AFS Core Systems Elective <sup>3</sup>	3 3 2 3-6 3	TCH_LRN 464 TCH_LRN 465 TCH_LRN 466 AGTM 402 Ag Upper Division Elective <sup>1</sup>  <b>Take West-E Exam</b>	3 3 2 3 3-6
<b>Fourth Year</b>	AG_ED 450 AG_ED 440 [M] TCH_LRN 467 [M] ED_PSYCH 468 TCH_LRN 469 TCH_LRN 470	3 2 3 3 3 2-3	TCH_LRN 415 AG_ED 407 [CAPS]	8 8

**Footnotes**

<sup>1</sup> The Agricultural Upper Division Electives are required for Teacher Certification in Agricultural Education. Any 300 or 400 level course with one of the following CAHNRS prefixes: AGTM, AFS, ANIM\_SCI, CROP\_SCI, ECONS, ENTOM, ENVR\_SCI, FS, HORT, IPM, LND\_ARCH, PL\_P, SOE, or SOIL\_SCI can be accepted to fulfill this requirement per advisor approval. Suggested to take AGED 430 and/or 431 for CASE Certification.

<sup>2</sup> ECONS 351 and 352, which are only offered in the spring, may be used as an alternative for ECONS 350.

<sup>3</sup> AFS Core Systems Electives: AGTM 305, AGTM 310, ANIM\_SCI 464, ANIM\_SCI 472, ANIM\_SCI 474, BIOLOGY 372, CROP\_SCI 302, ECONS 351, HORT 320, SOE 300, SOIL\_SCI 368, or other systems courses approved by your advisor.

<sup>4</sup> Recommend Biology 106 and 120.