

B.S. Agricultural & Food Systems
Agricultural Education Major
Advising Sheet 2023-2024

University Common Requirements (UCORE):

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

Course	Credits	Term	Grade	Offered
First Year Experience (3 credits) [ROOT]				
HISTORY 105/305: Roots of Contemporary Issues	3			F, S, SS
Written Communication (3 credits) [WRTG]				
ENGLISH 101: Introductory Writing	3			F, S, SS
Communication (3 credits) [COMM] [WRTG]				
ENGLISH 201: Writing & Research	3			F, S, SS
Quantitative Reasoning (3 credits) [QUAN]				
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
Inquiry in the Social Sciences (3 credits) [SSCI]				
ECONS 101: Fundamental Microeconomics	3			F, S, SS
Inquiry in the Natural Sciences (7 credits minimum) [BSCI] [PSCI] [SCI]				
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]	4			BIO 106: F, S, SS BIO 107: F, S, SS BIO 120: F
CHEM 101: Intro to Chem or CHEM 105: Prin. of Chem I [PSCI]	4			F, S, SS
Integrative Capstone (3 credits) [CAPS]				
AGED 407: Student Teaching in Agricultural Education	8			S

PICK THREE OF THE FOUR [DIVR], [EQJS], [HUM], and [ARTS]:				
Diversity (3 credits) [DIVR]				
Elective	3			F, S, SS
Equity & Justice [EQJS] (3 credits)				
Elective	3			F, S, SS
Inquiry in the Humanities (3 credits) [HUM]				
Elective	3			F, S, SS
Inquiry in the Creative and Professional Arts (3 credits) [ARTS]				
Elective	3			F, S, SS

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
Three credits from the following systems based courses:	3			
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				

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.

Students take one class each from 3 of the 4 required UCORE: [HUM], [ARTS], [DIVR] OR [EQJS].

*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.

FOUR-YEAR PLAN

	Fall Semester	Hours	Spring Semester	Hours
First Year	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 ⁴ AGTM 201 [HUM], [ARTS], [DIVR], or [EQJS] ⁵ ANIM_SCI 101	3 4 3 3 3
Second Year	CHEM 101 [PSCI] ECONS 101 [SSCI] AFS 201 TCH_LRN 301 [HUM], [ARTS], [DIVR], or [EQJS] ⁵	4 3 3 3 3	CHEM 102 SOIL_SCI 201 STAT 212, MATH 140, 171, or 202 [QUAN] [HUM], [ARTS], [DIVR], or [EQJS] ⁵ Ag Upper Division Elective ¹ Apply to College of Education Complete Writing Portfolio	4 3 3 or 4 3 4
Summer Session	TCH_LRN 317	2		
Third Year	ECONS 350 ² CROP_SCI 360 AG_ED 471 Ag Upper Division Elective ¹ AFS Core Systems Elective ³	3 3 2 3-6 3	TCH_LRN 464 TCH_LRN 465 TCH_LRN 466 AGTM 402 Ag Upper Division Elective ¹ Take West-E Exam	3 3 2 3 3-6
Fourth Year	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

- ¹ 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.
- ² ECONS 351 and 352, which are only offered in the spring, may be used as an alternative for ECONS 350.
- ³ 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.
- ⁴ Recommend Biology 106 and 120.
- ⁵ Select 3 of the 4: [HUM], [DIVR], [ARTS], or [EQJS]. Talk with your advisor about which is best for you.