

B.S. Agricultural & Food Systems
Agricultural & Food Business Economics 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
Written Communication (3) [WRTG]				
ENGLISH 101: Intro Writing	3			F, S, SS
Communication (3) [COMM] [WRTG]				
H_D 205: Dev. Effective Com. or COM 102: Com. in Info. Soc.	3 - 4			F, S, SS
Quantitative Reasoning (3) [QUAN]				
STAT/MATH 212: Introduction to Statistical Methods	4			F, S, SS

Ways of Knowing (16 credits minimum)	Credits	Term	Grade	Offered
Inquiry in the Social Sciences (3) [SSCI]				
ECONS 101: Fundamental Microeconomics	3			F, S, SS
Inquiry in the Humanities (3) [HUM]				
Elective	3			F, S, SS
Inquiry in the Creative and Professional Arts (3) [ARTS]				
Elective	3			F, S, SS
Inquiry in the Natural Sciences (7 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				
	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	4			F, S, SS

Integrative and Applied Learning (6 credits minimum)	Credits	Term	Grade	Offered
Diversity (3) [DIVR]				
Elective	3			F, S, SS
Integrative Capstone (3) [CAPS]				
AFS 401: Adv. Sys. Analysis/Design	3			S

Agricultural & Food Systems Core Requirements:

Course	Credits	Term	Grade	Offered
AFS 201: System Skills Development for AFS	3			F
ANIM_SCI 101: Introduction to Animal Science, or FS 110: Introduction to Food Science	3			F, S
SOIL_SCI 201: Soil: A Living System	3			F, S
CROP_SCI/HORT 102: Cultivated Plants	3			F, S online
CROP_SCI 360: World Agricultural Systems	3			F, S online
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: S, SS Chem 106: F, S, SS
ECONS 350: Intro. Farm/Ranch Mgmt.** or ECONS 352 Bus. Mgmt. Economics	3			ECONS 350: F ECONS 352: S
Three credits from the following systems based courses:				
AGTM 305: Ag Precision Systems (3)(F); AGTM 310: Small Engine Maintenance & Repair (3)(F); ANIM_SCI 464: Companion Animal Mgmt [M] (3)(F); ANIM_SCI 472: Dairy Cattle Production (3)(F); ANIM_SCI 474: Beef Cattle Production (3)(S); BIOLOGY 372: Gen Ecol (4)(F,S); CROP_SCI 302: Forage Crops (3)(S odd); ECONS 351: Intro Food/Ag Mktg (3)(F); HORT 320: Olericulture (3)(F odd); NATRS 300: Nat Res Ecol (3)(F,S); SOIL_SCI 368: Into ArcGIS (3)(F) or other systems courses approved by your advisor	3			

Agriculture & Food Business Economics Major Requirements:

Course	Credits	Term	Grade	Offered
ECONS 102: Fund Macroeconomics	3			F, S, SS
MATH 201: Intro Finite Math or MATH 220: Intro Linear Algebra	2 - 3			F, S, SS
MATH 202: Calc. for Business or MATH 171: Calc. I	3 - 4			F, S, SS
STAT/MATH 212 or MGTOP 215: Business Statistics	4			F, S, SS
ACCTG 230: Intro. Financial Acctg.	3			F, S, SS
ECONS 301: Intermediate Micro.	3			F, S
ECONS 302: Intermediate Macro	3			F, S
ECONS 311: [M] Intro. Econometrics	3			F, S
FIN 325: Intro. Fin. Mgmt. or ECONS 335: Business Fin. Econ.	3			F, S, SS
ECONS 451: Advanced Food Economics & Marketing	3			S
ECONS 450: Adv. Farm & Ranch Mgmt. or ECONS 453: International Trade/Mktg.	3			S
ECONS 452: [M] Adv. Bus. Mgmt. Econ.	3			F

Open Electives:

Course***	Credits	Term	Grade	Offered

FOUR-YEAR PLAN

CHECK LIST FOR THIS MAJOR:

Writing in the Major (2 [M] courses)		
Writing Portfolio		
40 Upper Division Credits		
UCORE	36-37 credits	
AFS Core	36 credits	
Ag. Business Economics Major	32-34 credits	
Open Electives	16 credits	
Total (at least 120 credits)		

NOTES:

Students may be admitted to the Agricultural & Food Business Economics Major upon making their intention known to the department.

* Any combination of Biology is allowed, but BIOLOGY 106 and 120 are preferred.

**ECONS 350 is a prerequisite to ECONS 450.

***Electives are chosen by the student and are needed to reach the minimum 120 credits to graduate.

Electives can be used towards a minor. Contact an advisor or the department for more information on courses for your minor interest. Suggested minors could be Business Administration, Economics, Agribusiness Economics, Environmental and Resource Economics, Sustainable Development, Communications, Animal Sciences, Crop Science, Horticulture, Natural Resources, Soil Science, Political Science, Global Politics, a foreign language, etc.

Last Updated 9/29/2021

	Fall Semester	Hours	Spring Semester	Hours
First Year	ECONS 101 or ECONS 102 [SSCI] ANIM_SCI 101 CROP_SCI/HORT 102 MATH 201 ¹ HISTORY 105 [ROOT]	3 3 3 3 3	ECONS 101 or ECONS 102 ENGLISH 101 [WRTG] MATH 202 ¹ Humanities [HUM] COM 102 or H_D 205 [COMM]	3 3 3 3 3 or 4
Second Year	CHEM 101 [PSCI] STAT 212 [QUAN] or MGTOP 215 Diversity [DIVR] AFS 201 Electives	4 4 3 3 3	CHEM 102 ACCTG 230 SOIL_SCI 201 Creative & Professional Arts [ARTS] Complete Writing Portfolio	4 3 3 3 3
Third Year	BIOLOGY 120 [BSCI] ECONS 301 ECONS 350 ³ AFS Core Systems Elective ² Electives	4 3 3 3 3	BIOLOGY 106 or 107 ECONS 302 ECONS 311 [M] ECONS 335 Electives	4 3 3 3 3
Fourth Year	CROP_SCI 360 ECONS 452 [M] 300-400-level Electives	3 3 6	AFS 401 [CAPS] ECONS 450 [M] or ECONS 453 ECONS 451 Electives	3 3 3 4

Footnotes

¹ An alternative to MATH 201 is MATH 106, 172, or 220. An alternative to MATH 202 is MATH 171.

² AFS Core Systems Electives: AGTM 310, ANIM SCI 464 [M], 472 [M], 474 [M], BIOLOGY 372 [M], CROP SCI 302, ECONS 351, HORT 320, SOE 300, SOIL SCI 368, or other systems courses approved by your advisor.

³ ECONS 352, which is only offered in the spring, may be used as an alternative for ECONS 350.