

B.S. Integrated Plant Sciences
Field Crop Management 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: Introductory Writing	3			F, S, SS
Communication (3) [COMM] [WRTG]				
H_D 205: Dev. Effective Com. or COM 102: Com. in an info Soc.	3 - 4			F, S, SS
Quantitative Reasoning (3) [QUAN]				
STAT 212: Intro to Stat 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 Principles 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]				
Elective	3			F, S, SS

Integrated Plant Sciences 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 Principles of Chem II	4			CHEM 102: S, SS CHEM 106: F, S, SS
CROP_SCI/ HORT 102: Cultivated Plants	3			F
CROP_SCI/ HORT 202: Crop Growth and Development	4			S
SOIL_SCI 201: Soil: A Living System	3			F, S
ENTOM 343: [M] General Entomology	3			F
ENTOM 351: Ecological & Integrated Pest Management	3			S
CROP_SCI 411 [M]: Crop Environ. Interactions or HORT 416: Advanced Hort Crop Physiology	3			CROP_SCI 411: F HORT 416: S
PL_P 429: General Plant Pathology	3			F
CROP_SCI 495, 498, or 499: Professional Work Experience	1			F, S, SS

Field Crop Management Major Requirements:

Course	Credits	Term	Grade	Offered
MATH 106: College Algebra and MATH 108: Trigonometry or MATH 140: Calculus for Life Scientists	4 - 5			MATH 140: F,S OTHER: F, S, SS
CROP_SCI 302: Forage Crops	3			S odd
CROP_SCI 305: Ecology and Management of Weeds	3			F
CROP_SCI 403: Advanced Cropping Systems	3			F
SOIL_SCI 202: Introductory Soils Science Laboratory	1			F, S
SOIL_SCI 441: Soil Fertility	3			S
ECONS 350: Intro to Farm and Ranch Mgmt or ECONS 352: Business Management Economics	3			ECONS 350: F ECONS 352: S
CROP_SCI 412: Seminar	1			S
Major Electives ¹	9			

Open Electives:

Course	Credits	Term	Grade	Offered

CHECK LIST FOR THIS MAJOR:

Writing in the Major (2 [M] courses)		
Writing Portfolio		
40 Upper Division Credits		
UCORE	36-37 credits	
IPS Core	32 credits	
Field Crop Management Major	30-31 credits	
Open Electives	20 -22 credits	
Total (at least 120 credits)		

NOTES:

Students may be admitted to the Field Crop Management Major upon making their intention known to the department.

*Major Electives: AFS 302 [M]; CROP_SCI 360, 445 [M], 480, 495, 498, 499; ENTOM 361, 460; HORT 357; SOIL_SCI 442; and/or consult with your advisor. No more than 3 credits of 495, 498 or 499 may be used towards major elective credits.

*Open 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 of interest.

Last Updated 9/29/2021

FOUR-YEAR PLAN

	Fall Semester	Hours	Spring Semester	Hours
First Year	CHEM 101 or 105 [PSCI] CROP_SCI/HORT 102 ENGLISH 101 [WRTG] H_D 205 or COM 102 [COMM]	4 3 3 3 or 4	CHEM 102 or 106 CROP_SCI/HORT 202 ECONS 101 [SSCI] HISTORY 105 [ROOT]	4 4 3 3
Second Year	BIOLOGY 106, 107, or 120 [BSCI] SOIL_SCI 201 SOIL_SCI 202 STAT 212 [QUAN] Electives	4 3 1 4 4	MATH 140 ⁴ BIOLOGY 106 or 107 Diversity [DIVR] Creative & Professional Arts [ARTS] Electives Complete Writing Portfolio	4 4 3 3 3
Third Year	ENTOM 343 [M] CROP_SCI 305 Major Elective ¹ ECONS 350 ² Electives	3 3 3 3 4	ENTOM 351 CROP_SCI 302 CROP_SCI 495, 498 or 499 Electives Humanities [HUM]	3 3 1 6 3
Fourth Year	CROP_SCI 411 ³ [M] CROP_SCI 403 PL_P 429 Major Elective ¹ Electives	3 3 3 3 3	CROP_SCI 412 SOIL_SCI 441 Major Elective ¹ Integrative Capstone [CAPS]	1 3 3 3

Footnotes

¹ Major Electives (9 credits): AFS 302 [M]; CROP_SCI 360, 445 [M], 480, 495, 498, 499; ENTOM 361; 460; HORT 357; SOIL_SCI 442; and/or consult with your advisor. No more than 3 credits of 495, 498 or 499 may be used towards major elective credits.

² ECONS 352 can be taken in the spring as an alternative to ECONS 350.

³ HORT 416 can be taken in the spring as an alternative to CROP_SCI 411. However, two [M] courses are required so one elective should have [M] designation.

⁴ MATH 106 and MATH 108 can be taken as an alternative to MATH 140.