

B.S. Integrated Plant Sciences
Landscape, Nursery & Greenhouse Management Major
Advising Sheet 2018-2019

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 Info. Soc.	3 - 4			F, S, SS
Quantitative Reasoning (3) [QUAN]				
STAT 212: Intro to Stat Mthd or MATH 140: Calc for Life Sci or MATH 171: Calc I or MATH 202: Calc for Bus & Econ	3 - 4			F, S, SS

Ways of Knowing (16 credits minimum)	Credits	Term	Grade	Offered
Inquiry in the Social Sciences (3) [SSCI]				
Elective	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]				
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 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]				
HORT 425: [M] Trends in Horticulture	3			S

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 Sci or CHEM 106: Princ. Of Chem II	4			CHEM 102: S,SS CHEM 106: F,S,SS
HORT/CROP_SCI 102: Cultivated Plants	3			F, S online
HORT/CROP_SCI 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
PL_P 300: Diseases of Fruit Crops or PL_P 429: General Plant Pathology	2 - 3			PL_P 300: F even PL_P 429: F
CROP_SCI 411: [M] Crop Environmental Interactions or HORT 416: Adv. Hort Crop Physiology	3			CROP 411: F HORT 416: S
HORT 399: Professional Work/Research Experience	1			F, S, SS

Landscape, Nursery & Greenhouse Management Major Requirements

Course	Credits	Term	Grade	Offered
HORT 251: Plant Propagation	4			S
HORT 330: Landscape Plants for Urban and Comm. Environ.	3			F
HORT 331: Landscape Plant Installation and Management	3			S
AFS/SOIL_SCI 302: [M] Intro to Agroecology or SOIL_SCI 441: Soil Fertility	3			S
HORT 357: Greenhouse Management/Crop Production	3			S
400/500 Level Seminar in any CAHNRS Dept.	1			F, S, SS
Horticulture Electives (see list below)	7 - 9			
Advanced Plant Science Electives (see lists below)	6			

Horticulture Electives

HORT 310: Pomology (3)(F odd); HORT 313: Viticulture (3)(F); HORT 320: Olericulture (3)(F odd-P, even-UI); HORT 332: Interior Landscaping (3)(F); HORT 358: Greenhouse Mgmt/Crop Production Lab (1)(S); CROP_SCI 301: Turfgrass Management (3)(F even); CROP_SCI 305: Ecology & Management of Weeds (3)(F); CROP_SCI 401: [M] Turfgrass Science (3)(S even)

Advanced Plant Science Electives

HORT 418: [M] Post-Harvest Biology & Technology (3)(F); CROP_SCI/HORT 445: [M] Plant Breeding (4)(S); BIOLOGY 301: General Genetics (4)(F,S); BIOLOGY 332: Systematic Botany (4)(S even); BIOLOGY 372: [M] General Ecology (4)(F,S); BIOLOGY 409: Plant Anatomy (4)(F); BIOLOGY 462: Community Ecology (3)(F); HORT 480: Plant Genomics and Biotech (3)(F even); NATRS 300: Natural Resource Ecology (3)(F,S); NATRS 450: [M] Conservation Biology (3)(F); NATRS 454: Restoration Ecology (3)(S); NATRS 464, Landscape Ecology (3)(S)

CHECK LIST FOR THIS MAJOR:

Writing in the Major (2 [M] courses)		
Writing Portfolio		
40 Upper Division Credits		
UCORE	35-37 credits	
IPS Core	30-31 credits	
Landscape, Nursery & Greenhouse Management Major	29-31 credits	
Open Electives	25 credits	
Total (at least 120 credits)		

NOTES:

To certify in the major you must have at least 24 credits and a 2.0 cumulative GPA.

*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.

Last Updated 5/1/2018

Open Electives:

Course*	Credits	Term	Grade	Offered

FOUR-YEAR PLAN

	Fall Semester	Hours	Spring Semester	Hours
First Year	HORT/ CROP_SCI 102 CHEM 101 or 105 [PSCI] HISTORY 105 [ROOT] H_D 205 or COM 102 [COMM]	3 4 3 3 or 4	HORT/CROP_SCI 202 CHEM 102 or 106 ENGLISH 101 [WRTG] Humanities [HUM]	4 4 3 3
Second Year	HORT 330 STAT 212, MATH 140, 171, or 202 [QUAN] BIOLOGY 106, 107, or 120 [BSCI] Creative and Professional Arts [ARTS] Elective	3 3 or 4 4 3 3	HORT 251 SOIL_SCI 201 Social Science [SSCI] Elective Complete Writing Portfolio	4 3 3 6
Third Year	ENTOM 343 [M] BIOLOGY 106, 107, or 120 Diversity [DIVR] Elective	3 4 3 6	ENTOM 351 HORT 331 HORT 357 Horticulture Elective ¹ Elective	3 3 3 3 3
Summer Session	HORT 399	1		
Fourth Year	PL_P 300 or PL_P 429 Advanced Plant Science Elective ² Horticulture Elective ¹ Elective	2 or 3 3 1 7	HORT 416 ³ HORT 425 [M][CAPS] SOIL_SCI 302 [M] or SOIL_SCI 441 Advanced Plant Science Elective ² Horticulture Elective ¹ 400/500 Level Seminar in CAHNRS	3 3 3 3 3 1

Footnotes

¹ Horticulture Electives (7-9 credits): CROP_SCI 301 [M], 305, 401; HORT 310, 313, 320, 332, 340, 341, 358, and/or consult with your advisor.

² Advanced Plant Science Electives (6 credits): BIOLOGY 301, 332, 372 [M], 409, 462; HORT 418 [M], 480; CROP_SCI/HORT 445 [M]; NATRS 300, 450 [M], 454 [M], 464, and/or consult with your advisor.

³ CROP_SCI 411 [M] can be taken in the fall as an alternative to HORT 416.