

BACHELOR OF SCIENCE DEGREE in SUSTAINABLE FOOD SYSTEMS

Plant and Animal Production Systems Concentration

Total Credit Hours Required: 120

(Effective Fall 2024)

First Year - Fall		First Year - Spring	
BIO 100 - Basic Biology	4	ECO 190 - World Food Supply, Population and the Environment	3
LDR 100 - Foundations of Leadership	3	ENG 101 - College Composition	3
ELH 117 - First-Year Success Seminar	1	FSN 101 - Introduction to Food and Nutrition	3
PSE 100 - Plant Science	4	MAT 115 - Applied Mathematics for Business and Economics	3
PSE 105 - Principles of Sustainable Agriculture	3	SOC 101 - Introduction to Sociology	3
	15		15
Second Year - Fall		Second Year - Spring	
AVS 145 - Introduction to Animal Science	3	CMJ 102 - Fundamentals of Interpersonal Communication	3
AVS 146 - Introduction to Animal Science Laboratory	1	or	
AVS 211 - Introduction to Aquaculture	3	CMJ 103 - Public Speaking	3
CHY 121 - General Chemistry I	3	or	
CHY 123 - General Chemistry Laboratory I	1	CMJ 107 - Communication and the Environment	3
PSE 312 - Sustainable Food Systems: Challenges and Opportunities	3	EES 140 - Soil Science	3
		EES 141 - Soil Science Laboratory	1
		STS 132 - Principles of Statistical Inference	3
		or	
		STS 215 - Introduction to Statistic for Business and Economics	3
		General Education: Artistic and Creative Expression	3
		General Elective	3
	14		16
Third Year - Fall		Third Year - Spring	
ANT 225 - Climate Change, Societies and Culture	3	ANT 212 - The Anthropology of Food	3
Second CMJ course (e.g. 102, 103 or 107)	3	LBR 200 - Information Literacy	3
ECO 120 - Principles of Microeconomics	3	Concentration Elective	3
PSE 360 - Agroecology and Sustainable Cropping Systems	4	Concentration Elective 300 + level	3
General Electives	3	General Education: Western Cultural Tradition	3
	16		15
Fourth Year - Fall		Fourth Year - Spring	
FSN 270 - World Food and Culture	3	FSN 436 - Food Laws and Regulations	3
FSN 425 - Contemporary Issues in the Food Industry	1	PSE 430 - SL: Sustainable Horticulture and Agriculture Capstone	3
Concentration Elective 300 + level	3	Concentration Elective 300 + level	3
General Electives	8	General Electives	5
	15		14

Plant and Animal Production Systems Concentration Electives - Choose at least 12 credits in this section, with at least 9 credits from the 300 + level

(S = Spring; F = Fall; Su = Summer; V = Variable)	Credits
AVS 254 (F) Introduction to Animal Microbiomes	3
AVS 346 (F) Dairy Cattle Technology	3
AVS 347 (F, S, Su) Dairy Cattle Technology Laboratory	2
AVS 371 (F, S) University Dairy Cooperative	4
AVS 411 (S) Advanced Aquaculture	3
AVS 446 (S) Forage Science and Range Management	3
BIO 310 (S) Plant Biology	4
BIO 226 – Introduction to Insect Identification	1
BIO 439 – Integrated Pest Management	3
BIO 432 (F, odd yrs) Biology of the Fungi	4
BIO 464 (F) Taxonomy of Vascular Plants	4
ECO 154 (F, S, Su) Small Business Economics and Management	3
PSE 203 (F, even yrs) Weed Biology and Identification	1
PSE 215 (F, odd yrs) Vegetable and Fruit Production	3
PSE 396 (F, S, Su) Field Experience in Plant, Soil and Environmental Science	1-3
PSE 403 (F, odd yrs) Weed Ecology and Management	3
PSE 410 (S) Plant Propagation	4
PSE 415 (S) Greenhouse Management	4
PSE 457 (F) Plant Pathology	4
SMS 230 (F) Introduction to Marine Policy and Fisheries Management	3
SMS 449 (F) Aquaculture Systems	3

Revised: May 8, 2024

Curriculum is updated annually and is subject to change.