

Agroecology and Sustainable Food Systems (BS): Urban Horticulture (11ASFBS-11UH)

Freshman Year

Fall Semester	Credit	Spring Semester	Credit
ALS 103 Introductory Topics in ALS	1	BIO 183 Intro Biology: Cellular & Molecular Bio or PB 200 Plant Life	4
BIO 181 Intro Biology: Ecol, Evol, Biodiversity	4	MA 121 Elements of Calculus or MA 131 Calculus for Life and Management Sci A or MA 141 Calculus 1 (4 crd)	3-4
ENG 101	4	GEP Humanities Requirement ¹	3
MA 107	3	COM 110 Public Speaking or COM 112 Interpersonal Communication	3
HS 201 World of Horticulture	3	HS 290 Perspective in Horticultural Science	1
HESA 100 or 200 Health and Exercise Studies	1	HESA 100 or 200 Health and Exercise Studies	1
	16		15-16

Sophomore Year

Fall Semester	Credit	Spring Semester	Credit
CH 101 Chemistry – A Molecular Science	3	ARE 201 Intro to Agricultural & Res Economics	3
CH 102 General Chemistry Laboratory	1	AEC/PB 360 Ecology	4
CS 230 Intro to Agroecology (CP)	3	SSC 200 Soil Science	3
IDS 201 Environmental Ethics or IDS 211 Eating through American History or IDS 303 Humans and the Environment	3	SSC 201 Soil Science Lab	1
GEP Humanities Requirement	3	Foundation Elective	4
Foundation Elective ²	4		
	14		15

Junior Year

Fall Semester	Credit	Spring Semester	Credit
SOC 241 Sociology of Ag. and Rural Soc.	3	CS 430 Advanced Agroecology (CP)	4
SSC/HS 427 Bio Approaches to Sust. Soil Sys.	3	SSC/HS 428 Service-Learning in Urban Ag Systems	1
CS/HS 410 Community Food Systems (CP)	3	STS 323 World Pop. and Food Prospects	3
Foundation Elective	3	Restricted Elective ³	3
ENG 331 Comm. for Engin. and Tech or ENG 332 Comm. for Bus. and Management or ENG 333 Comm. for Sci and Research or AEE 311 Comm. Meth. and Media	3	Restricted Elective	3
	15		14

Senior Year

Fall Semester	Credit	Spring Semester	Credit
CS/HS 480 Sustainable Food Prod. (capstone)	1	CS 415 Integrated Pest Management	3
Restricted Elective	3	GEP Additional Breadth ⁴	3
Restricted Elective	3	Restricted Elective	3
Restricted Elective	3	Restricted Elective	3
HS 492/493 Internship	3	Free Elective	3
Free Elective	3		
	16		15

Minimum Credit Hours Required for Graduation*: 120

Major/Program Footnotes:

¹ GEP Humanities Choose from the University approved GEP Humanities course list or the following course(s)

² Foundational Electives (from the follow must choose at least one course from each group):

Group 1:

ACC 200– Introduction to Managerial Accounting,

ANS/HS 215 – Basic Agricultural Genetics, or

CS 211 – Plant Genetics

CH 220 – Introductory Organic Chemistry, or

CH 221 – Organic Chemistry I and CH 222 – Organic Chemistry I Lab

Group 2:

ARE 304 – Agribusiness Management,

ARE 306 – Agricultural Law,

HS 201 – World of Horticulture: Principles and Practice,

HS 432 – Permaculture,

PB 321 – Introduction to Whole Plant Physiology

³ Restricted Electives (21 credits from the following, least 9 hours at 300 or greater level):

ARE 303 – Farm Management,

ARE 309 – Environmental Law and Economic Policy,

ARE/EC 336 – Introduction to Resource and Environmental Ethics,

ENT 203 – An introduction to the Honey Bee and Beekeeping,

ENT 401 – Honey Bee Biology and Management,

ENT 425 – General Entomology,

ENT 501 – Advanced Beekeeping,

FSA/FS 520–Pre-Harvest Food Safety,

FSA/FS 530 – Post-Harvest Food Safety,

HS 421 – Temperate-Zone Tree Fruits: Physiology and Culture,

HS 422 – Small Fruit Production,

HS 423 – Viticulture,

HS 431 – Vegetable Production HS 451 – Plant Nutrition,

HS 462 – Postharvest Physiology,

HS 440 – Greenhouse Management,

HS 472 – Horticulture Business Administration and Management (course action in progress),

SSC 341 – Soil Fertility and Fertilizers,

SSC 342 – Soil Fertility Laboratory

⁴ Additional Breadth – (3 credit hours to be selected from the following checked University approved GEP course lists)