Agroecology Option

Land Resources and Environmental Sciences

Freshman Year	Credits
ENSC 110 - Land Resourses and Environmental Sciences	3
ECNS 101IS - Economic Way of Thinking	3
M 121Q - College Algebra	3
WRIT 101W - College Writing I	3
SFBS 146 - Introduction to Sustainable Food and Bioenergy Systems	3
BIOB 170IN - Principles of Biological Diversity	4
BIOB 110CS - Introduction to Plant Biology	3
CHMY 141 - College Chemistry I	4
University Seminar (US Core)	3
Year Total:	29
Sophomore Year	**Credits**
BIOB 160 - Principles of Living Systems	4
CHMY 143 - College Chemistry II	4
ENSC 245IN - Soils	3
Choose one of the following:	4-5
CHMY 123 - Introduction to Organic Chemistry and Biochemistry	
CHMY 211 - Elements of Organic Chemistry	
Choose one of the Following:	3
ENSC 210 - Role of Plants in the Environment	
ECHM 205CS - Energy and Sustainability	
GPHY 284 - Intro to GIS Science & Cartog	3
NUTR 221CS - Basic Human Nutrition	3
NUTR 226 - Food Fundamentals	3
Choose one of the following:	3
SFBS 298 - Internship	
SFBS 296 - Practicum: Towne's Harvest	
Year Total:	30-31
Junior Year	**Credits**
Choose one of the following:	3
BIOB 318 - Biometry	
STAT 216Q - Introduction to Statistics	
Choose one of the following:	3
NRSM 240 - Natural Resource Ecology	
BIOE 370 - General Ecology (equiv to 270)	
ENSC 353 - Environmental Biogeochemistry	3
NUTR 351 - Nutrition and Society	3
SFBS 327 - Measure Innovation in Food Sys	3
AGSC 341 - Field Crop Prod	3
Choose one of the following:	3-4
BIOO 433 - Plant Physiology	
SFBS 429 - Small Business and Entrepreneurship in Food and Health	
SFBS 466 - Food System Resilience, Vulnerability and Transformation	
University Core and Electives	9
Year Total:	30-31
Senior Year	**Credits**
Choose two of the following:	6
AGSC 401 - Integrated Pest Management	
AGSC 428 - Cropping Systems and Sustainable Ag	
BIOM 421 - Concepts of Plant Pathology	
ENSC 443 - Weed Ecology and Management	
Choose one of the following:	3
BIOE 455 - Plant Ecology	
BIOM 452 - Soil & Envirnmntl Microbiology	
ENSC 468 - Ecosystem Biogeochem and Global Change	
SFBS 498 - Internship	3
SFBS 499 - Senior Thesis/Capstone	3
University Core and Electives	15
Year Total:	30
Total Program Credits:	120

Directed Electives

Each student shall work closely with their faculty advisor to plan an integrated set of directed elective courses appropriate to their academic, professional and personal goals.

Take 12 credits of the following:

AGSC 342	Forages	3
ANSC 222	Livestock in Sustain Systems	3
BIOB 375	General Genetics	3
BIOE 370	General Ecology (equiv to 270)	3
BIOE 375	Ecological Responses to Climate Change	3
BIOM 360	General Microbiology	5
ECNS 132	Econ & the Environment	3
ENSC 410R	Biodiversity Survey and Monitoring Methods	3
GPHY 384	Adv GIS and Spatial Analysis	3
GPHY 484R	Applied GIS & Spatial Analysis	3
HORT 337	Vegetable Production	3
HORT 345	Market Gardening	3
NASX 415	Native Food Systems	3
NUTR 301	Food and Culture	3
NUTR 491-001	Farm-to-Market	
PSCI 436	Politics of Food & Hunger	3
SFBS 346	Sustainable Food and Bioenergy Systems Summer Field Course	2
SFBS 429	Small Business and Entrepreneurship in Food and Health (if not taken above)	3
SFBS 445R	Culinary Marketing: Farm/Table	3
SFBS 451R	Sustainable Food Systems	3
SFBS 466	Food System Resilience, Vulnerability and Transformation (if not taken above)	3

A minimum of 120 credits is required for graduation, 42 of which must be numbered 300 and above.

Each student shall work closely with their faculty advisor to plan an integrated set of elective courses appropriate to their academic and professional goals.

Because some of our courses are offered during alternate years, the proposed scheduling of courses in junior and senior years may need to be modified. Work with your advisor to determine an individual schedule.

A minimum of 120 credits is required for graduation; at least 42 of these credits must be in courses numbered 300 and above.

Font Notice

This document should contain certain fonts with restrictive licenses. For this draft, substitutions were made using less legally restrictive fonts. Specifically:

Times was used instead of Adobe Garamond Pro.

The editor may contact Leepfrog for a draft with the correct fonts in place.