

Agroecology Option

Land Resources and Environmental Sciences

| Freshman Year | Credits |
|---|---------|
| ENSC 110 - Lnd Res Environ Sciences | 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 |
| M 121Q - College Algebra | 3 |
| ECNS 101IS - Economic Way of Thinking | 3 |
| WRIT 101W - College Writing I | 3 |
| University Core and Electives | 3 |
| Year Total: | 29 |

| Sophomore Year | Credits |
|---|---------|
| BIOB 160 - Principles of Living Systems | 4 |
| CHMY 143 - College Chemistry II | 4 |
| Choose one of the following: | 4-5 |
| BCH 104RN - The Biochemistry of Health for Non-Science Majors | |
| CHMY 123 - Introduction of Organic Chemistry and Biochemistry | |
| CHMY 211 - Elements of Organic Chemistry | |
| ECHM 205CS - Energy and Sustainability | 3 |
| ENSC 245IN - Soils | 3 |
| 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 |
| Choose one of the following: | 3-4 |
| AGBE 315 - Ag in a Global Context | |
| ECNS 204IS - Microeconomics | |
| NRSM 421 - Holistic Thought/Mgmt | |
| University Core and Electives | 15 |
| Year Total: | 30-31 |

| Senior Year | Credits |
|---|---------|
| Choose two of the following: | 6 |
| AGSC 401 - Integrated Pest Management | |
| AGSC 428 - Sustainable Cropping Systems | |
| BIOM 421 - Concepts of Plant Pathology | |
| ENSC 443 - Weed Ecology and Management | |

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|--|-------|
| Choose one of the following: | 3 |
| BIOE 455 - Plant Ecology | |
| BIOO 433 - Plant Physiology | |
| BIOM 452 - Soil & Environmntl Microbiology | |
| ENSC 468 - Ecosystem Biogeochem | |
| SFBS 498 - Internship | 1-12 |
| SFBS 499 - Senior Thesis/Capstone | 3 |
| University Core and Electives | 15 |
| Year Total: | 28-39 |
| Total Program Credits: | 120 |

Restricted Electives

Take 21 credits of the following

| | | |
|-----------|--|---|
| AGSC 341 | Field Crop Prod | 3 |
| AGSC 342 | Forages | 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 |
| ENSC 410R | Biodiversity 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 |
| PSCI 406 | The Political Economy of Energy | 3 |
| PSCI 436 | Politics of Food & Hunger | 3 |
| SFBS 346 | Sustainable Food and Bioenergy Systems Summer Field Course | 2 |
| SFBS 445R | Culinary Marketing: Farm/Table | 3 |
| SFBS 451R | Sustainable Food Systems | 3 |

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.