

SCHOOL OF ENVIRONMENT AND NATURAL RESOURCES

Undergraduate Minor in Sustainable Agriculture

The minor in sustainable agriculture introduces the students to several dimensions of sustainable agriculture. The two required courses challenge the student to think synthetically about the production/environmental, social, and economic dimensions of sustainable agriculture while also providing first hand experience in balancing the various goals of sustainability via association with planning and executing the student farm at Ohio State. Students are also expected to probe the various dimensions of sustainability in more depth by taking an additional course in the production/environmental dimensions, social dimension and economic dimension.

A total of 15 semester units are required for this minor.

Course number	Course Title	Credit hours	Prerequisite
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Required Courses:

ENR 5600	Sustainable Agriculture and Food Systems	3	ENR 3000 & ENR 3500
HCS 2306	Sustainable Vegetable Production Practicum: Planning, Growing, and Marketing	3	

Controlled Electives:

(take 1 course from each of the following 3 focus areas, plus additional courses from any focus area if necessary, to meet the 15 unit minimum requirement)

Environmental/Production Dimension

ANIMSCI 3400	Management Intensive Grazing	2	ANIMSCI 2200.01, ANIMSCI 2300, or HCS 2200
AGSYSMT 3550	Animal and Rural Waste Management	2	
ENR 4260	Soil Resource Management	3	ENR 3000
ENR 5279	Urban Soils and Ecosystem Services: Assessment and Restoration	3	
EARTHSC 4425	Energy Resources and Sustainability	3	Sophomore standing
AGSYSMT 2370	Environmental Hydrology	2	
FABENG 5320	Agroecosystems	3	Senior standing
FABENG 5550	Sustainable Waste Management	3	Senior standing
FABENG 5540	Biomass Conversion to Bioenergy	3	FABENG 3130
HCS 5450	Vegetable Crop Production and Physiology	3	HCS 2200, HCS 2201, HCS 2202, or MOLGEN 3300; & CHEM 1110 or CHEM 1210; & BIOLOGY 1101, BIOLOGY 1113, or MOLGEN 1101
HCS 2305	Organic Gardening	1	
HCS 2306	Sustainable Vegetable Production Practicum: Planning, Growing, & Marketing	3	
HCS 4411	Grain, Oilseed and Fiber Crops	3	HCS 2201 or HCS 2202, & BIOLOGY 1101 or BIOLOGY 1113
HCS 5412	Forages, Grasslands and Prairies	3	HCS 2201 or HCS 2202, & BIOLOGY 1101 or BIOLOGY 1113
PLNTPTH 5140	Diseases of Field Crops	2	2 courses in the Biological Sciences
PLNTPTH 3001	General Plant Pathology Lecture	3	BIOLOGY 1101, BIOLOGY 1113, or ENTMLGY 1101
ENTMLGY 4603	Agricultural Entomology	2	ENTMLGY 1101, ENTMLGY 1111, ENTMLGY 3000, or ENTMLGY 4600

Continued on reverse

Course number	Course Title	Credit hours	Prerequisite
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Social Dimension

RURLSOC 5530	Sociology of Agriculture & Food Systems	3	6 cr hrs in RURLSOC, SOCIOL., or related social sciences
RURLSOC 5500	Diffusion of Innovations	3	
ENR 7520	Environmental Science and Law	3	Instructor permission (Graduate-level course)
AEDECON 4597.01	Problems and Policies in World Population, Food and Environment	3	Junior or Senior standing
AEDECON/INTSTDS 4532	Food Security and Globalization	3	AEDECON 2001 or ECON 2001

Economic Dimension

AEDECON 4310	Environmental & Natural Resources Economics	3	AEDECON 2001 or ECON 2001
AEDECON 5330	Benefit-Cost Analysis	3	AEDECON 4310, AEDECON 4001, or ECON 4001

Restrictions and General Information

1. The minor is not available to students majoring in Natural Resource Management with a Sustainable Agriculture specialization.
2. A maximum of 6 approved study abroad credits (ENR 5797 or a related study abroad experience as approved by an ENR advisor) may be used toward the minor unless specified otherwise.
3. A minimum 2.00 cumulative point-hour ratio is required in the minor course work; and a minimum grade of a C- is required for each course used to complete the minor.
4. A minor should be declared at the time a student accumulates 60 hours.
5. A student is permitted to overlap up to 6 credit hours between the GE and the minor.
6. The minor must contain a minimum of 12 credit hours distinct from the major and/or additional minors (i.e. if a minor requires more than 12 credit hours, a student is permitted to overlap those hours beyond 12 with a major or with another minor).
7. The minor must include at least 6 hours of upper-level or upper-division course work (3000 or above).
8. Course work graded Pass/Non-Pass cannot count in the minor, and no more than 3 credit hours of course work graded Satisfactory/Unsatisfactory may count toward the minor.
9. A student is permitted to count up to 6 total hours of transfer credit and/or credit by examination.
10. No more than 3 credit hours of xx93 may count toward the minor.