



THE OHIO STATE UNIVERSITY

COLLEGE OF FOOD, AGRICULTURAL,
AND ENVIRONMENTAL SCIENCES

B.S. in Agriculture
Sustainable Plant Systems
Specialization: Agroecology
Effective Autumn 2017

10/19/16

All students must complete two Global Issues courses (▲). All students must take a Social Diversity requirement in the GE by completing Rural Sociology 1500 or Sociology 1101.

FAES 1100 and Dept. Seminar	.5, .5	Social Science 2 (AED Econ 2001 or Econ 2001)	3
Writing Level 1 (English 1110)	3	Historical Study (see approved CFAES GE List)	3
Writing Level 2 (2367) see approved CFAES GE List	3	Culture & Ideas or Historical Study (see approved CFAES GE List)	3
Agr Comm 3130 or Comm 2110	3	Literature (see approved CFAES GE List)	3
Math 1130, 1148, 1151, or 1156	4 or 5	Art (see approved CFAES GE List)	3
Data Analysis (HCS 2260 recommended)	3	Contemporary Issues (see approved CFAES GE List)	3
Biological Science (Bio 1113 req'd)	4	Internship (HCS 4191.01)	2
Physical Science Chem 1110, 1210, or 1220	5	TOTAL GE Credit Hours	57 or 58
Add'l. Sci. (HCS 2201 Ecol of Mng'd Plt Sys. req'd)	4	SPS – Agroecology Specialization	42-43
Opt. 1 (HCS 2202 Frm & Fxn Cult Plt req'd)	4	SPS – Minor Equivalent	15-18
Social Science 1 (Rural Soc 1500 or Sociol 1101)	3	Electives	2-7
		TOTAL	121

AGROECOLOGY SPECIALIZATION 42-43

Required Courses – Agroecology Specialization 35

HCS 3100	Introduction to Agronomy	3
or HCS 3200	Horticultural Science	3
HCS 3310	Crop Responses to the Environment	3
HCS 3320	Plant Propagation	3
or HCS 3420	Seed Science	3
HCS 3220	Crop Origins and Diversity	2
HCS 4325	Plant Genetics	3
HCS 5422	Biol. & Mgmt. of Weeds and Inv. Plants	3
HCS 5411	Domestic. & Util. Agron. Crops	3
or HCS 5412	Agroecol. of Grasslands and Prairies	3
or HCS 5450	Vegetable Crop Production & Physiology	3
or HCS 5460	Fruit Crop Physiology & Production	3
HCS 5602	Ecology of Agriculture (Capstone)	3
or HCS 5100	Advanced Cropping Systems (Capstone)	3
or HCS 5200	Advanced Horticultural Systems (Capstone)	3
EEOB 3310	Evolution	4
EEOB 3410	Ecology	4
ENR 3000	Soil Science	3
ENR 3001	Soil Science Laboratory	1

Elective Courses – Agroecology Specialization 7-8

HCS 3380	Latino Workforce in Land Based Industry	2
HCS 3488.01	Profess. Devel. in Hort and Crop Science	1-3
HCS 3521	Basic Greenhouse Production	2
HCS 3522	Sustainable Irrigation	3
HCS 4193	Individual Studies	1-3
HCS 4560	Creating a Virtual Perspective	3
HCS 4999	Research with Distinction	1-3
HCS 4999H	Honors Research with Distinction	1-3
HCS 5097.01-.04	Study Abroad Pre-Departure Course	1
HCS 5797.01-.04	Study Abroad	3
HCS 5798	Agroecology Field Studies	3
HCS 5193	Independent Study	1-3
HCS 5306	Sustainable Veg Prod Practicum	3
HCS 5521	Advanced Greenhouse Production	3
HCS 5601	Digital Portfolio Development	1
HCS 5621	Physiology of Cultivated Plants	3
HCS 5730	Seed Ecology and Physiology	2
HCS 5887	Intro to Experimental Design	3

If not already taken: HCS 3100, 3200, 3320, 3420, 5100, 5200, 5602, 5411, 5412, 5460, 5450.

* Prerequisites include ENR 2100 & ENR 2300 or permission of instructor

** Prerequisites include ENR 3000 and ENR 3500

MINOR EQUIVALENT 15-18

Soil Ecology and Management 5-9

ENR 3285	Watershed Hydrology	3
ENR 3700	Intro to Spatial Infor. for ENR	3
ENR 4260	Soil Resources Management	3
ENR 5260	Soil Landscapes: Morphology, Genesis & Classification	3
ENR 5263	Biology of Soil Ecosystems	3
ENR 5268	Soils and Climate Change	2
ENR 5270	Soil Fertility	3
ENR 5279	Urban Soils and Ecosystem Services	3

Biotic Interactions in Agroecosystems 5-9

ANIMSCI 3400	Mgmt. Intensive Grazing	2
ENTMLGY 2200	Beekeeping	3
ENTMLGY 4600	Introduction to Insect Science	1
ENTMLGY 4601	General Insect Pest Management	2
ENTMLGY 4602	Urban Landscape and Greenhouse Entom.	2
ENTMLGY 5420	Insect Behavior	3
ENTMLGY 5500	Biological Control	3
ENTMLGY 5600	Integrated Pest Management	3
PLNTPTH 3001	General Plant Pathology	3
PLNTPTH 3002	General Plant Pathology Lab	2
PLNTPTH 5110	Ecol. and Mgmt. of Pathogens and Insects Affecting Trees in Forest and Urban Enviro.	3
PLNTPTH 5140	Diseases of Field Crops	3
PLNTPTH 5150	Fruit and Vegetable Diseases	3
PLNTPTH 5603	Plant Disease Mgmt.	3

Students may take the remaining credit hours from the courses listed below

Population and Community Ecology

EEOB 4410	Conservation Biology	3
EEOB 4430	Ecol. Methods I	1-2
EEOB 5450	Population Ecology	3
EEOB 5470	Community & Ecosystems Ecol.	3
ENR 4320	Sustainable Forest Products*	3
ENR 5274	Ecosystem Simulation	3

Human Ecology and Global Perspectives

AEDE 4532	Food Security and Globalization	3
ANIMSCI 3600	Global Food and Agriculture	3
EEOB 4240	Ecology and Evol. of Plants and People	3
or ANTHRO 5614	Ethnobotany	3
ENR 3600	Sustainable Agriculture & Food Systems**	3
GEOG 3900	Global Climate Change	3
GEOG 5900	Weather, Climate, & Global Warming	3
or ATMOSCC 2940	Basic Meteorology	3

GENERAL COLLEGE REQUIREMENTS

- A minimum of 121 total credit hours. (English 1109; EDUTL 1001, 1002, 1003, 1004, 1005, 1006, 1007, 1010; Mathematics 1040, 1050, 1073, 1074, 1075; do not count toward the 121-hour minimum requirement for the BS.)
- ALL STUDENTS MUST COMPLETE TWO GLOBAL ISSUES COURSES, designated with a triangle (▲).
- Students are encouraged to participate in a study abroad. Application of credits toward the degree is approved by the Assistant Dean, Academic Affairs.
- A minimum of 36-43 hours in the major with at least 12 hours taken from the department offering the major at OSU in the baccalaureate program.
- Courses in the major may not be taken pass/non-pass.
- Course work may include a maximum of four hours of physical activity courses (all 1139-1197 courses), and a maximum of 4 credit hours of campus music organizations.
- A minimum of 30 semester hours of credit earned through regular course enrollment at this University, and regular course enrollment in the last semester in the College of Food, Agricultural, and Environmental Sciences.
- A cumulative point-hour ratio of at least 2.00 on all course work completed at The Ohio State University as well as at least a 2.00 in the major.
- A college maximum of six hours of individual studies courses (x193) can be applied toward graduation although some majors may have a lower maximum.
- An internship of 1-2 hours is required. Any hours above two hours must count against the major. A college maximum of six hours of internship credit can be applied toward graduation although some majors may have a lower maximum.
- A maximum of three credits of 3488 can be applied toward graduation although some majors may have a lower maximum. A 2.0 is required to register for 3488 credit.
- Credit hours for 4999 ("with Research Distinction") and 4999H ("with Honors Research Distinction") are repeatable to maximum of six hours.
- A maximum of one course may overlap between major courses and the GE (second writing, natural sciences, history, arts, literature, cultures and ideas, social sciences, and contemporary issues) when approved by major unit.
- A maximum of 6 credits may overlap between the minor and the GE (second writing, natural sciences, history, arts, literature, cultures and ideas, social sciences, and contemporary issues).
- 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 the major or with another minor).
- A 2.00 cumulative point-hour ratio is required in the minor with a minimum C- grade for any course to be listed in the minor or minor equivalent (includes transfer credit).
- A student is permitted to count up to 6 credit-hours of transfer and/or EM credit in the minor or minor equivalent.
- Coursework graded Pass/Non-Pass cannot count in the minor. No more than 3 credit-hours of course work graded S/U may count toward the minor. Maximum of 3 credit-hours of xx93 are allowed to count in the minor.
- An application for degree must be submitted online through the College Academic Programs website at least two semesters prior to the granting of the degree. Autumn Semester Graduation – 3rd week of previous Au Sem. Spring Semester Graduation – 3rd week of previous Sp Sem. Summer Semester Graduation – 3rd week of previous Su Sem.

GENERAL EDUCATION REQUIREMENTS

Second Writing (Select one - 3 hours)

Select one course from the following list.

- AAAS 2367.01, 2367.04
- Agricultural Communication 2367
- Animal Science 2367
- Arabic 2367
- Art Education 2367.01, 2367.01H, 2367.02, 2367.03
- Communication 2367, 2367H
- Comparative Studies 2367.02, 2367.04, 2367.07, 2367.08, 2367.08H
- Dance 2367, 2367H
- Economics 2367.01, 2367.02
- EDUTL 2367
- Engineering 2367, 2367.01H
- English 2367.01, 2367.01E/H/S, 2367.02, 2367.02H, 2367.03, 2367.03H, 2367.04, 2367.04H, 2367.05, 2367.05H
- ENR 2367
- Film Studies 2367.01, 2367.02
- German 2367
- Hebrew 2367.01
- Human Development and Family Science 2367
- Jewish Studies 2367, 2367E
- Landscape Architecture 2367, 2367E
- Linguistics 2367.01, 2367.01H, 2367.02
- Modern Greek 2367
- Nursing 2367

- Pharmacy 2367
- Philosophy 2367.01
- Physics 2367
- Political Science 2367, 2367.H
- Psychology 2367.01, 2367.02
- Public Affairs 2367
- Slavic Languages and Literatures 2367
- Sociology 2367.01H, 2367.02, 2367.03H
- Spanish 2367S
- Theatre 2367.01, 2367.01H, 2367.02, 2367.03
- Women's Gender & Sexuality Studies 2367.01, 2367.02, 2367.03, 2367.04
- Yiddish 2367

Historical Survey (Select one - 3 hours)

- AAAS 1121▲, 1122▲, 2080, 2081, 2085, 3080, 3081, 3083, 3086, 3089, 3304, 3308▲, 3320▲
- Classics 2221, 2221E, 2301▲, 3000, 3215▲, 3401, 3408
- Consumer Sciences: Fashion & Retail Studies 2374
- Earth Sciences 1911
- Economics 4130▲, 4140▲
- Engineering 2361, 2362, 5797.13▲
- History 1101▲, 1102▲, 1151, 1152, 1211▲, 1212▲, 1681▲, 1682▲, 2001, 2001H▲, 2002, 2002H, 2010, 2015, 2045, 2065, 2066, 2070, 2071, 2075, 2079, 2080, 2081, 2085, 2100, 2100▲, 2105▲, 2110▲, 2111, 2120▲, 2125▲, 2201, 2202▲, 2203▲, 2204▲, 2204H▲, 2205▲, 2210▲, 2211, 2213, 2220▲, 2221, 2231▲, 2240▲, 2240H▲, 2250▲, 2251▲, 2270, 2271▲, 2275▲, 2280▲, 2301, 2302, 2303, 2350, 2351, 2352 (3356), 2353 (3358), 2375▲, 2390, 2392, 2393, 2401▲, 2402▲, 2450▲, 2451, 2452, 2453, 2454, 2455, 2475, 2500▲, 2550▲, 2610, 2610H, 2620▲, 2630, 2641▲, 2642▲, 2650▲, 2651▲, 2700▲, 2701, 2702▲, 2703▲, 2704▲, 2705, 2710, 2720, 2750, 2750E, 2750H, 2752, 2797.02, 3001, 3002, 3003, 3005, 3006, 3010, 3011, 3012, 3013, 3014, 3015, 3016, 3017, 3020, 3021, 3030, 3032, 3040, 3045, 3070, 3071, 3075, 3080, 3082, 3083, 3085, 3090, 3100, 3101, 3105, 3106▲, 3210, 3211, 3213, 3214▲, 3215▲, 3216 (2212)▲, 3218, 3219, 3220, 3221▲, 3222, 3223, 3225, 3226, 3227▲, 3229▲, 3230, 3235, 3236, 3239, 3240, 3245, 3246, 3247▲, 3249, 3250, 3251, 3252 (2252)▲, 3253, 3254▲, 3260, 3261, 3262, 3263, 3264, 3265, 3266, 3267, 3269, 3270, 3276, 3277, 3281▲, 3282▲, 3283, 3301▲, 3302▲, 3304, 3306▲, 3307▲, 3308▲, 3310▲, 3351, 3352, 3353▲, 3357 (3350), 3360, 3365, 3375▲, 3376, 3401, 3402, 3403, 3404▲, 3405▲, 3410▲, 3411▲, 3425, 3426, 3435▲, 3436▲, 3450, 3455, 3460, 3465, 3470, 3500, 3501, 3505▲, 3525, 3540, 3550▲, 3551, 3552, 3560, 3561, 3570▲, 3580▲, 3590, 3600, 3612, 3620, 3630, 3640, 3641, 3642, 3650, 3670, 3675▲, 3680▲, 3700, 3701, 3702, 3705, 3711, 3712, 3715▲, 3798.02▲, 3798.03▲, 3798.04▲
- History of Art 2001▲, 2001H▲, 2002▲, 2002H▲, 2003▲, 2003H▲, 2005▲, 2301▲
- IntStds 3350▲
- Jewish Studies 2450, 2451, 2452, 2453, 2454, 2455, 2475, 3110, 3455, 3460, 3465, 3470, 3505▲
- KNSFHP 2210, 2211
- KNSISM 2210, 2211
- NELC 3111
- Philosophy 1101H▲, 1102H▲, 2660
- Political Science 4123
- Religious Studies 3680▲
- Women's Gender and Sexuality Studies 2750H, 4401

Literature (Select one - 3 hours)

- AAAS 2251▲, 2281, 2367.01, 2367.04, 4551▲
- Arabic 2701▲, 2702▲, 2702H, 2705
- Chinese 251▲, 4401▲, 4402▲, 4403▲, 4404▲
- Classics 1101▲, 1101H▲, 2220▲, 2220H▲, 2221, 2221E, 2500H, 3203, 3402
- Comparative Studies 1100▲, 1100H▲, 2101▲, 2101H▲, 2103▲, 2103H▲, 2104▲, 2104H▲, 2105, 2301▲, 2864H▲, 3603▲, 3603H▲, 3606▲, 3608▲
- EDUTL 2368, 3356, 3356E
- English 2201▲, 2201H▲, 2202▲, 2202H▲, 2220▲, 2220H▲, 2260, 2260H, 2261, 2261H, 2262, 2262H, 2275, 2280, 2280H, 2281, 2290, 2291, 2367.02, 2367.02H, 3361, 3372
- French 1801▲
- German 2250▲, 2251, 2252H▲, 2253▲, 2254, 3252▲
- Hebrew 2700▲, 2700H▲, 2702▲, 2702H▲, 2703▲, 2704▲, 2708▲
- History 2221, 3218
- Italian 2051▲, 2052▲, 2054
- Japanese 2451▲, 2452▲
- Jewish Studies 2700▲, 2700H▲, 2702▲, 2702H▲, 2703▲, 2704▲, 2708▲, 3371▲
- Korean 2451▲
- Medieval and Renaissance Studies 2888
- Modern Greek 3710▲
- Near Eastern Languages and Cultures 3702▲, 3704▲
- Persian 2301▲, 2701▲, 2704
- Philosophy 2120▲, 2465, 3210▲, 3220▲, 3230▲, 3240▲, 3250▲, 3261, 3262▲
- Portuguese 2150▲, 2159▲
- Religious Studies 2102.02▲, 2102.01H▲, 2102.02▲
- Russian 2250▲, 2250H▲
- Scandinavian 3350▲, 4250, 5251
- Slavic Languages and Literature 2345▲
- Spanish 2320▲, 2321▲, 2520▲
- Theatre 2367.02
- Turkish 2701▲
- Women's Gender and Sexuality Studies 2215, 2367.01, 2367.02, 2367.03, 2367.04, 2702▲, 2702H▲
- Yiddish 3371▲, 3399▲

Arts (Select one - 3 hours)

- AAAS 2101▲, 2288, 3102▲, 3376▲, 4571
- Architecture 3192
- Art 2100, 2100E, 2300, 2300E, 2502, 2502E, 2555, 2555H, 3201H
- Art Education 1600, 2367.01, 2367.01H, 2520, 2520S
- Chinese 4405▲
- Comparative Studies 3607, 3607H▲, 3686
- Dance 2401
- East Asian Lang and Lit 3446
- English 2263, 2269, 2463
- Film Studies 2270.01 (2270), 2270.02, 2271

- French 2801
- German 2451, 3254H▲
- Hebrew 2205, 2245, 2367.01
- History of Art 2001, 2001H▲, 2002, 2002H▲, 2003▲, 2003H▲, 2005, 2101▲, 2901▲, 3002▲, 3005, 3010H, 3102▲, 3211, 3521▲, 3601▲, 3603▲, 3605, 3605H, 3611, 3631, 3901, 4421▲, 4605, 4810▲, 4820▲
- Italian 2053▲, 2055
- Jewish Studies 2205, 2245
- Landscape Architecture 2600, 2600E
- Modern Greek 2680▲
- Music 2250▲, 2251▲, 2251E▲, 2252, 2253, 2288, 3341, 3342, 3343, 3344, 3345, 3347▲, 3348▲, 3349, 3350
- Philosophy 2450, 2470H
- Physics 3201H
- Portuguese 2335
- Russian 3460▲
- Scandinavian 4450▲
- Slavic Languages and Culture 3310▲, 3360▲
- Spanish 2322▲, 2330▲, 2380▲
- Theatre 2100, 2100E/H, 2101H, 2341H, 2811
- Women's Gender and Sexuality Studies 2230, 3310, 3317

Cultures and Ideas (Select one - 3 hours)

- AAAS 2285▲, 3342H▲, 4342▲, 5485.01▲
- Anthropology 1100▲, 2241▲, 2241▲, 3434
- Arabic 2241▲, 2241H▲, 2367, 3301▲
- Architecture 2300, 2300E, 3195▲, 4596, 4596E
- Art Education 2550
- ARTSSCI 2400, 2400E, 4870
- Bioethics 2000, 2010
- Chinese 2231▲, 2232▲
- Classics 2201▲, 2201H▲, 2202▲, 2202H▲, 2526 (2203)▲, 2204▲, 2205, 2301▲, 2798.02▲, 3000, 3404, 3408
- Community Leadership 3535
- Comparative Studies 2220▲, 2264, 2281, 2321, 2322, 2323, 2340▲, 2341▲, 2350, 2350H, 2360, 2367.04, 2367.07, 2367.08, 2367.08H, 3302▲, 3302E▲, 3501, 3620, 3645▲, 3645H▲, 3646, 3657▲, 3689▲, 4822
- Dance 3401, 3402▲
- East Asian Languages and Literature 1231▲, 2284
- Engineering 5797.18
- English 1167H, 2264, 2270, 2270H, 2276, 2277, 2282, 3271 (2271), 3364, 3378
- ENR 3470
- ESEPH 3410
- French 1803, 3801
- German 2255, 2350, 2352▲, 3253, 3256, 3351▲, 3353, 3451H▲
- Health and Rehab Sciences 2530
- Hebrew 2209, 2216▲, 2241▲, 2241H▲, 3120, 3210, 3210H▲
- History of Art 2301▲, 4701
- History 2079, 2210▲, 2450▲, 3213
- Japanese 2231▲, 2255
- Jewish Studies 2201▲, 2209, 2241▲, 2241H▲, 2242▲, 2242H▲, 2367, 2450, 2516▲, 3111, 3210, 3210H▲
- Korean 2231▲
- Landscape Architecture 2300, 2300E, 2367, 2367E
- Linguistics 2000, 2000H, 2560, 3901
- Medieval and Renaissance Studies 2211▲, 2212▲, 2215▲, 2217▲, 2510▲, 2513▲, 2514▲, 2516▲, 2520, 2526▲, 2610, 2618▲, 2666▲
- Modern Greek 2000▲, 2100▲, 2240, 2240H, 2410▲, 2410H
- Near Eastern Languages and Cultures 2220▲, 2241▲, 2244▲, 3101, 3201, 3204▲, 3205▲, 3501▲, 3508, 3620, 3625.01▲, 3625.02▲, 3700▲
- Persian 2241▲
- Philosophy 1100, 1100H, 1300, 1300H, 1332, 1337, 1338, 1850, 2400, 2860, 3111, 3120, 3420
- Portuguese 2330▲, 2331▲
- Religious Studies 2102.02▲, 2370▲, 2370H▲, 2670, 3210▲, 3210H▲, 3672
- Russian 2335.01▲ (2335), 2335.99▲, 2345▲, 3530
- Slavic Languages and Cultures 2230▲
- Spanish 2150▲, 2151▲, 2242, 2331▲, 2332▲
- Turkish 2241▲
- Women's Gender and Sexuality Studies 1110, 1110(H), 2282
- Yiddish 2241▲, 2367

Contemporary Issues (Select one - 3 Hours)

- AED Econ 4597.01
- Animal Sciences 4597
- Anthropology 3597.01, 3597.02, 4597.03H▲, 4597.04, 4597.05H
- City and Regional Planning 4597
- Classics 4597
- Communications 3597.01▲, 3597.02▲
- Comparative Studies 4597.01▲, 4597.02▲, 4597.03▲
- Econ 4597.01
- English 3597.03, 4597.01, 4597.02, 4597.04H
- ENR 4597.02
- Food Science & Technology 4597.01, 4957.02
- Geography 3597.01, 3597.02, 3597.03
- International Studies 4597.01, 4597.02
- Landscape Architecture 3597
- Linguistics 4597.01, 4597.02
- Plant Pathology 4597
- Political Science 4597.01, 4597.02, 4597.03
- Portuguese 4597.01▲, 4597.02▲
- Psychology 4597.01▲, 4597.02▲
- Slavic 4597▲
- Social Work 3597
- Sociology 3597.01▲, 3597.02
- Theatre 3597
- Women's Gender and Sexuality Studies 4597

GE Semesters SP 17 list 1.26.17

Note: GE course listings are subject to change