

CROP SCIENCE
New Freshmen and Transfer Students With 44 or Fewer Credit Hours
Entering OSU Summer 2007 and Thereafter

All students must complete two International Issues courses one of which must be a non-western or global course designated with an asterisk (). The other course may be another non-western or global course or a western (non-US) course designated with a diamond. Check ✓ when completed: * ____, *or ♦ ____.*

FAES 100 or USAS 100, etc.	1	Social Science	15
English 110.01	5	AED Econ 200 or Econ 200	5
Second Writing Course	0-5	Rural Soc 105 or Soc 101	5
(See approved CFAES GEC list)		Additional Social Science	5
Agr Comm 390 or Comm 321	5	(See approved CFAES GEC list)	
Math 148	4	History (See approved CFAES GEC list)	5
Natural Sciences	25	Arts and Literature (See approved CFAES GEC list)	10
<u>Required Natural Science Courses:</u>		Literature	5
Chemistry 101 or 121 or H201		Visual and Performing Arts	5
Chemistry 102 or 122 or H202		Contemporary Issues (See approved CFAES GEC list)	5
Biology 113 or H115		Major (See below)	55-65
Biology 114 or H116		Internship (H&CS 489)	5
<u>Other Approved Natural Science GEC Courses (Choose one course):</u>		Minor	20-25
Biological Science Courses		Students majoring in Crop Science cannot select a	
H&CS 200, 300		minor in Crop Science, Horticulture, Landscape	
Anim Sci 300		Horticulture, Soil Resources or Turfgrass Management.	
Anthropology 200		Free Electives	8-28
EEOB 232, 235		TOTAL	183
Fd Sc&Te 201			
Microbiol 509			
ENR 201			
PCMB 300			
Physical Science Courses			
Astronomy 171, 172			
Chemistry 123, H203			
ENR 300.01 and 300.02 (both courses must be taken)			
Geological Sciences 121, 122, H451			
Physics 103, 104, 111, 112, 113, 131, 132, 133			

Major Required **55-65**

(For students using H&CS 200 to also meet the GEC Natural Science course, the minimum number of hours in the major reduces by five.)

H&CS 200	The Science of Growing Plants	5
H&CS 260*	Data Analysis and Interpretation for Decision Making	5
	* Data Analysis can also be met by: Anim Sci 260 or H&CS 260 or AED Econ 205 or AEE (was Agr Educ) 387 or ENR 222 or Stat 145	
H&CS 300	General Plant Biology	5
H&CS 310	Control of Crop Development	4
H&CS 325	Crop Genetic Resources	4
H&CS 600	Issues in Horticulture and Crop Science	5

Electives in Crop Science (27-37 hours)

Select a minimum of 16 hours in H&CS course work from Agronomy, Vegetable/Fruit Crop and Greenhouse/Nursery Crops listed below. Remaining electives for the major may be taken in H&CS at the 400-level or above and/or from the Supporting Courses category.

Agronomy

H&CS 411	Grain Crops	3
H&CS 412	Forage Crops	3
H&CS 414	Crop Science Laboratory	2
H&CS 420	Seed Science	4
H&CS 422	Principles of Weed Science	4
H&CS 510	Crop Production in Dev. Countries	5

Vegetable/Fruit Crops

H&CS 450	Vegetable Crop Production	5
H&CS 460	Fruit Crop Physiology and Production	5
H&CS 420	Seed Science	4
H&CS 422	Principles of Weed Science	4
H&CS 521	Greenhouse Environment Control	5
H&CS 560	Computers in Horticulture Management	5
H&CS 605	Adv. Vegetable Crops Production	5

Greenhouse/Nursery Crops

H&CS 401.01, .02	Industries and Organizations	1-6
H&CS 430	Indoor Plants	3
H&CS 431	Herbaceous Ornamental Plants	5
H&CS 435	Shade Trees & Narrowleaf Evergreens	6
H&CS 436	Flowing Trees/Shrubs/Vines/Broadleaf Everg.	6
H&CS 521	Greenhouse Environment Control	5
H&CS 522	Commercial Production of Floriculture Crops	5
H&CS 533	Mgt of Commercial Nursery Operations	5
H&CS 560	Computers in Horticulture Management	4
H&CS 609	Posthvst. Princ/Pract.	4

Supporting Courses

AGSYSMGT 320	Facilities for Agr. and Greenhouse Prod.	5
AGSYSMGT 370	Principles of Hydrology	3
ENR 300.01	Soil Science	3
ENR 300.02	Soil Science Lab	2
ENR 580.01	Soil Fert. & Fertilizers	3
ENTOMOL 460.01	Economic Entomology	3
ENTOMOL 460.02 or 460.03, or 462	Econ. Entom. Labs	2
MOL GEN 500	General Genetics	5
MICROBIOL 509	Basic & Prac. Microbiology	5
PCMB 436	Intro to Plant Physiology	5
PLNT PATH 401	General Plant Pathology	5
PLNT PATH 501	Diseases of Ornamental Plants	3