

TURFGRASS SCIENCE

COLLEGE OF FOOD, AGRICULTURAL, AND ENVIRONMENTAL SCIENCES

Bachelor of Science in Agriculture

EFFECTIVE AUTUMN 2001

General Education Curriculum

Effective July 1, 2002

The College of Food, Agricultural, and Environmental Sciences strives for excellence in fulfilling all three missions of a comprehensive land-grant institution: instruction, research, and extension. The college serves the entire state and is a national and international resource. Our fundamental purpose is to enhance the quality of human life in a constantly changing technical, economic, and social environment. To fulfill the instructional mission, the college is organized with seven departments in Agriculture, a School of Natural Resources, and an Agricultural Technical Institute. The College of Food, Agricultural, and Environmental Sciences provides the only public university agricultural degree programs in Ohio.

Your curricula in Agriculture provide a professional and general education designed to develop technical expertise and decision-making abilities. Upon graduation, you will find diverse career opportunities because of the broad-based education you have received. You may also prepare for admission to a professional program such as law, medicine, or veterinary medicine while pursuing the Bachelor of Science degree in the College of Food, Agricultural, and Environmental Sciences.

The College of Food, Agricultural, and Environmental Sciences offers the following majors leading to a Bachelor of Science in Agriculture: agribusiness and applied economics, agricultural communication, agricultural education, agricultural and construction systems management, animal sciences, crop science, food business management, landscape horticulture, plant health management, and turfgrass science. The objective of the major is to demonstrate breadth and depth in the principles appropriate to and expected for a career in a specialized area.

The systematic nature of problem solving, and higher-level cognitive thinking will be emphasized through quantitative/mathematical and qualitative/linear reasoning, both of which will be emphasized throughout the major. The major will provide for understanding the U.S. and world perspective of agriculture. In addition emphasis will be placed on enhancing a sensitivity to and practice in making discriminating, ethical judgments about critical issues. A capstone experience is required. It provides you the opportunity to debate and consider your major from a wider agricultural perspective and to integrate disparate concepts within agriculture and within the major. An internship of 3-5 hours is also required.

Student Responsibility

You must assume responsibility for knowing the published policies governing the curriculum you are pursuing, as well as the regulations and procedures of the College and the

University. This curriculum sheet should be used in conjunction with the Course Offerings Bulletin, the College of Food, Agricultural, and Environmental Sciences Bulletin,

and the quarterly Master Schedule of Classes. You are responsible taking all prerequisites to courses in which you enroll. Failure to satisfactorily complete prerequisites may delay graduation.

General College Requirements

The following degree requirements apply to most students entering The Ohio State University Autumn Quarter 1998 and thereafter.

■ A minimum of 190 total credit hours. (English 040, 050, 051, 052, 053, 060, 100.01, 100.02, 106, 107, 108, 109.01, and 109.02; Educ 1 L 104, 105, 106, 107, 108; Mathematics 040, 050, 075, 076, 100, 101, 103, and 104; Speech and Hearing Science 035 and 040; do not count toward the 190-hour minimum requirement for the BS.)

■ **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 (◆). List course when completed

* _____,

*Or ◆ _____.

■ A minimum of 55 hours in the major with at least 20 hours taken from the department offering the major at OSU in the baccalaureate program.

■ A maximum of 65 hours of course work in the major may be applied toward the 190 hours necessary for the degree.

■ Courses in the major may **not** be taken pass/non-pass.

■ Course work may include a maximum of six credit hours of physical activity courses (all 100-level courses except for 102, 103, 122, 137, 138), and a maximum of 6 credit hours of campus music organization.

■ A minimum of 45 quarter hours of credit earned through regular course enrollment at this University, and regular course enrollment in last quarter in the College of Food, Agricultural, and Environmental Sciences.

■ A transfer student (i.e., from another institution) must have on the major program at least 20 credit earned from the department offering major courses at The Ohio State University.

■ A cumulative point-hour ratio of at least 2.00 on all course work completed at The Ohio State University.

■ The major consists of courses within the department offering the major and courses from allied departments as listed by the faculty of the major. You must receive a 2.00 cumulative point-hour ratio for all major course work.

■ A cumulative point-hour ratio of at least 2.00 on all course work completed within the minor.

■ A college maximum of ten hours of individual studies courses (x93) can be applied toward graduation although some majors may have a limit.

maximum.

■ An internship of 3-5 hours is required. Any hours above five hours must count against the major. A college maximum of ten hours of internship credit can be applied toward graduation although some majors may have a lower maximum.

■ Double counting is allowed between major courses and foundations, natural sciences, arts and humanities and social sciences to a maximum of ten hours.

■ Double counting is **NOT** allowed between the minor and other categories.

■ An application for degree must be on file in the College Office at least two quarters prior to the granting of the degree.

Autumn Quarter Graduation - Third week of Winter Quarter.

Winter Quarter Graduation - Third week of Spring Quarter.

Spring Quarter Graduation - Third week of Autumn Quarter.

Summer Quarter Graduation - Third week of Winter Quarter.

General Education Curriculum Requirements

The curricular requirements are divided into six categories for the Bachelor of Science degree. In fulfilling the GEC, students with junior or senior standing may petition (IN ADVANCE) to substitute upper division courses which meet the spirit of the GEC for courses in the GEC. Students transferring from other colleges and universities may meet part of the GEC with approximately equivalent courses already taken. Courses for each transfer student shall be reviewed and those that meet the spirit of the GEC shall be accepted.

1. AGR INT 100 1 hour

2. Writing and Related Skills

A. First Course 5 hours

English 110C

B. Second Course 0-5 hours

Select one course from the following list. The course may double count toward another GEC category. Courses which double count toward another GEC category are noted with a †.

African-American and African Studies 367.02 †, 367.03 †, 367.04 †

Agricultural Communication 367

Arabic 367†

Art Education 367.01†, 367.02

Comparative Studies 367.01†, 367.02†, 367.03†, 367.04

Economics 367.01†, 367.02†

Engineering 367

English 367.01, 367.02†, 367.03† 367.04, 367.05, 367.06, 367.07

Family and Consumer Sciences Education 367

Journalism and Communication 367

Landscape Architecture 367†

Modern Greek 367

Natural Resources 367†

Philosophy 367

Physics 367

Political Science 367.01†

Psychology 367.01†, 367.02†

Slavic Languages and Literatures 367

Sociology H367.01†, 367.02†, H367.03†

Theatre 367.01, 367.02†

Women's Studies 367.01†, 367.04†

Yiddish 367†

C. Third Course

Course work is taken as part of the major program. See your major requirements for your option(s).

3. Oral Expression

Agr Comm 390

4. Quantitative and Logical Skills

A. Mathematical and Logical Analysis 4 hours

Math 148

B. Data Analysis 5 hours

Course work is taken as part of the major program. See your major requirements for your option(s).

5. Natural Science 25 hours

Biology 113 or H115

Chemistry 121 or H201

Physics 111 or 131

Select one course from: Biology 114 or H116;

Chemistry 122 or H202; Physics 112, 132

Select one course from:

Animal Sciences 310 Math 151

Anthropology 200 Microbiology 509

Biology 114, H116 Physics 112, 113, 132, 133

Chemistry 122, 123, H202, Plant Biology 300

H203 Soil Sci 300.01 & 300.02

Fd Sc&Te 201 EEOB 232, 235

H&CS 200, 300

6. Social Science 15 hours

Select AEd Econ 200 or Econ 200 and Rural Sociology 105 or Sociol 101 and one additional course from the list below:

African-American and African Studies 101, 218

Anthropology 201*, 202*, 421.08

Economics 110, 201, 367.01†, 367.02†

Family Resource Management 243, 340

Geography 200*, 240*, 460, 643*

Human Development and Family Science 360, 361, 364

International Studies 201*, 210♦, 215*, 230*, 231*, 235*, 240*, 245*, 250*

Journalism and Communication 101, 200, 431

Linguistics 202, 361 (261), 365* (265), 371

Natural Resources 400

Political Science 100*, 101, 145*, 165, 201, 210, 245*, 367.01†

Psychology 100, 367.01†, 367.02†, 371

Rural Sociology 378*

Social Work 230

Sociology 210, 345, H367.01†, 367.02†, H367.03†, 370, 380,

463, 466
Textiles and Clothing 372
Women's Studies 110 (was 210)

7. Arts and Humanities 20 hours

A. Historical Survey 5 hours

Select one course from:

African-American and African Studies 121*
Economics 515*
History 111♦, 121*, 131*, 151, 171*, 181*
Philosophy H111♦

B. Analysis of Texts and Works of Art 15 hours

Select three courses from the following lists, with at least one course from the literature section and one course from the visual/performing arts section. The remaining course may come from literature, visual/performing arts, cultures and ideas or an additional history.

1. Literature (Select at least one) 5 hours

African-American and African Studies 154, 251*, 254, 271, 345, 367.02 †, 367.03 †, 367.04 †, 452*, 453*, 551
Arabic 371*, 372*
Chinese 251*, 501*, 502*, 503*, 504*
Classics 101♦, 102♦, 222♦
Comparative Studies 100*, 201♦, 202.01*, 202.02*, 203♦, 204♦, 205, H240♦, 273♦, 301*, 306*, 308*, 314*
English 201♦, 202♦, 220♦, 260, 261, 262, 275, 280, 281, 290, 291, 367.02 †, 367.03 †
French 150♦, 151♦, 152*
German 260.01♦, 260.02♦, 260.03♦, H263♦, 291♦, 292♦, 399♦
Hebrew 370*, 372*, 373*, 374*, 378*
Italian 151♦, 152♦
Japanese 251*, 252*
Korean 251*
Modern Greek 371♦
Near Eastern, Judaic, and Hellenic Lang Lit 271*, 371*, 372*, 374*
Persian 370*, 371*
Philosophy 215*, 301♦, 302♦, 303♦, 304♦, 305♦, 306, 307♦
Russian 250*
Scandinavian 222♦
Slavic Languages and Literature 245♦
Spanish 320♦, 321♦ 520*
Theatre 367.02 †
Turkish 371*, 372*
Women's Studies 367.01 †, 367.04 †, 372*
Yiddish 371♦, 399♦

2. Visual/Performing Arts (Select at least one) 5 hours

Architecture 271¹
Art 170, 172, 201, 240
Art Education 160, 252, 367.01†
Comparative Studies 358♦
Dance 161, 200
East Asian Lang & Lit 346
English 263

History of Art 210♦, 211♦, 212♦, 213*, 216*, 250♦, 260*, 505*, 515♦, 519♦, 520♦, 525♦, 530, 576*
Italian 221♦
Landscape Architecture 201
Medieval & Renaissance Studies 219*
Music 140*, 141♦, 142, 150, 341, 342♦, 343, 345.01, 347♦¹ 349¹
Philosophy 240, H242
Scandinavian 520♦
Spanish 322♦, 330♦
Theatre 100, 161, H230, 271, 280¹
Women's Studies 317

¹Note that this is a three credit course and by itself does not meet the minimum credit hour requirement for the Visual and Performing Arts

3. Cultures and Ideas

African-American & African Studies 335, 342*, 385.01*
Anthropology 241*
Arabic 241*, 367 †, 377*
Arts and Sciences 494 (Au Qtr 2001, Sp Qtr 2002 and Au Qtr 2002)
Chinese 231*, 232*
Classics 224♦, 225♦, 226♦, 230♦, 240♦
Comparative Studies 234, 241, 242, 270*, 272♦, 274, 294 (Sp Qtr 2000), 305♦, 335♦, 336, 339, 345, 367.01†, 367.02 †, 367.03 †, 377*
East Asian Languages and Literatures 131*, 341*
English H167, 270, 271, 276
German 275♦, 299♦
Hebrew 216*, 241*, 376*
History 306♦ (240), 330.01*, 346
History of Art 240♦
Japanese 231*
Jewish Studies 201♦
Korean 231*
Landscape Architecture 367†
Linguistics 201, 311
Medieval and Renaissance Studies 210♦, 212♦, 213*, 214*, 215♦, 216*, 217♦, 218*, 226♦
Modern Greek 241♦
Natural Resources 367†
Near Eastern Language and Culture 241*, 244*, 311, 314*, 341, 344*, 351*, 370*
Persian 241*
Philosophy 101, 130, 230, 270, 336
Portuguese 330*
Religious Studies 270*, 376*
Romanian 235♦
Russian 135*, 235*
Slavic Languages and Literatures 130♦
Spanish 150♦, 151*, 331*
Turkish 241*
Women's Studies 101 (201)
Yiddish 241♦, 367 †

4. Additional History

African-American and African Studies 121*, 122*
Economics 515*, 516*
History 111♦, 112♦, 121*, 122*, 131*, 132*, 151, 152, 171*, 172*, 181*, 182*

8. Contemporary Issues 5 hours

AEd Econ 597.01
 Animal Sciences 597 (formerly Agr Int 597)
 Anthropology 597.01, 597.02 597.03, 597.04
 Biology 597[†]
 City and Regional Planning 597
 Comparative Studies 597.01, 597.02
 Evolution, Ecology & Org Bio 597.02 (formerly Zoology)
 Family and Consumer Sciences Education 597.01, 597.02
 Geodetic Science 597
 Geography 597.01, 597.02
 History 597
 Horticulture and Crop Science 597
 International Studies 597.01, 597.02
 Landscape Architecture 597
 Natural Resources 597.02
 Plant Pathology 597
 Political Science 597.01, 597.02
 Social Work 597
 Sociology 597.01, 597.02

9. Internship 5 hours

Meet with your adviser to discuss expectations.

10. Minor 20-25 hours

Students majoring in Turfgrass Science **may not** select a minor in Crop Science, Horticulture, Landscape Horticulture, Soil Resources or Turfgrass Management.

11. Major Requirements 55-65 hours

Requirements:		31
H&CS 200	Crop Science	5
H&CS 260 ²	Data Analysis or Interpretation	5
H&CS 422	Weed Science	4
H&CS 470	Principles of Turfgrass Selection and Management	4
H&CS 570	Turfgrass Management and Sci	4
H&CS 598	Turfgrass Seminar	1
H&CS 601	Issues in Crop Sci Turfgrass	5
SOIL SCI300.01	Soil Science	3

Supporting Courses

24-34

A minimum of 14 hours must be taken from Support Group I with the remaining hours required for the major taken from either Support Group I or II.

Support Group I:

AG&CONSM	232	Small Air-Cooled Engines	4
AG&CONSM	240	Fabrication of Metal	4
AED ECON	401	Princ of Agribusiness Mgmt	4
AED ECON	560	Human Resource Mgmt in Small Business	3
BUS-MHR	500	Intro to Admin Problems	3
ENTOMOL	462	Insect Pests of Ornamentals and Turfgrass	4
GEOG	520	Climatology	5
H&CS	270	Historical Perspectives on Golf Course	3
H&CS	310	Control of Crop Dev	4
PLNT PATH	401	General Plant Pathology	5
PLNT PATH	612	Turfgrass Diseases	3
PLNT PATH	613	Integrated Mgmt of Turfgrass Insects, Diseases and Weeds	4
SOIL SC	300.02	Soil Science Laboratory	2
SOIL SCI	540	Urban and Sports Turf Soils	3
SOIL SCI	580.01	Soil Fertility and Fertilizers	3

Supporting Courses II:

H&CS	234	Landscape Plants	5
H&CS	412	Forage Crops	3
H&CS	420	Seed Science	4
H&CS	431	Herbaceous Orn Plants	5
H&CS	435	Deciduous Shade Trees & Narrowleaf Evergreens	6
H&CS	488	Professional Dev in Hort & Crop Sci	1-3
H&CS	560	Computers in Hort Mgmt	4
H&CS	593	Individual Studies	1-5
PLNT BIO	436	Plant Physiology	5
MOL GEN	140	Introduction to Genetics	5

Maximum of 65 hours in the major will count toward graduation.

12. Free Electives 10-31 hours

GRAND TOTAL 190 hours

²Data Analysis course requirement may also be met by Animal Science 260, AEd Econ 205, Agricultural Education 387, Natural Resources 222, or Statistics 145.