

CURRICULUM GUIDE
Agriculture, BS (Fruit, Vegetable, Nursery and Greenhouse Production Concentration)
2021-2022

Website: www.agriculture.eku.edu
 Email Contact: agriculture@eku.edu

Department of Agriculture
 521 Lancaster Ave.
 2 Carter Bldg.
 Richmond, KY 40475
 859-622-2228

The schedule below is an **EXAMPLE** of how you can arrange your class schedule.
 Please consult your advisor for specific changes that may need to be made.

| | Fall Semester | Spring Semester | Course Number | Course Name |
|---|---|-----------------|---|-------------|
| Freshman Year | BTO 100 | 1 | AGR 213 | 3 |
| | AGR 130 <i>or</i> OHO 131 | 3 | CIS 212, INF 104, <i>or</i> TEC 161 | 3 |
| | AGR 131 <i>or</i> OHO 132 | 1 | ^g ECO 120 (<i>fulfills Gen. Ed. 5B</i>) | 3 |
| | AGR 170 | 3 | Gen. Ed. 1A (<i>ENG 101</i>) | 3 |
| | ^g BIO 111 <i>or</i> 112 (<i>fulfills Gen. Ed. 4</i>) | 4 | Gen. Ed. 5A (<i>History</i>) | 3 |
| | Gen. Ed. 2 (<i>Math</i>) | 3 | | |
| TOTAL | 15 | TOTAL | 15 | |
| Sophomore Year | AGR 115 | 2 | AGR 304 | 4 |
| | AGR 215 | 3 | AGR 308 | 3 |
| | AGR 216 | 1 | OHO 354 | 3 |
| | OHO 365 | 3 | Gen. Ed. 1C (<i>Oral Comm.</i>) | 3 |
| | ^g CHE 101 (<i>fulfills Gen. Ed. 4</i>) | 3 | Gen. Ed. 3B (<i>Humanities</i>) | 3 |
| | CHE 101L | 1 | (<i>writing intensive</i>) | 3 |
| | Gen. Ed. 1B (<i>ENG 102</i>) | 3 | | |
| | TOTAL | 16 | TOTAL | 16 |
| Junior Year | AGR 305 | 1 | AGR 404 | 3 |
| | AGR 340 | 3 | ♦AGR/OHO upper division elective | 3 |
| | OHO 372 | 2 | ◆ Concentration approved elective | 3 |
| | †AGR/OHO (<i>experimental learning elective</i>) | 1 | ◆ Concentration approved elective | 3 |
| | ◆ Concentration approved elective | 3 | Gen. Ed. 3A (<i>Arts</i>) | 3 |
| | Gen. Ed. 6 (<i>Diversity</i>) | 3 | | |
| | Gen. Ed. 6 (<i>Diversity</i>) | 3 | | |
| | TOTAL | 16 | TOTAL | 12 |
| Senior Year | AGR 310 | 3 | AGR 411 | 1 |
| | AGR 319 | 3 | AGR 499, 509, OHO 498, <i>or</i> 499 (<i>ACCT capstone</i>) | 3 |
| | AGR 416 | 3 | BTS 400 | 0 |
| | OHO 375 | 3 | OHO 388 | 3 |
| | ◆ Concentration approved elective | 3 | †AGR/OHO (<i>experimental learning elective</i>) | 2 |
| | | | ♦AGR/OHO upper division elective | 3 |
| | | | ♦AGR/OHO upper division elective | 3 |
| | TOTAL | 15 | TOTAL | 15 |
| TOTAL HOURS TO DEGREE COMPLETION | | 120 | | |

| Course Number | Course Name |
|---|---|
| GENERAL EDUCATION & UNIVERSITY REQUIREMENTS (37) | |
| BTO 100 | Business and Technology Orientation (1) |
| COLLEGE OF BUSINESS REQUIREMENT | |
| BTS 400 | College to Careers Seminar (0) |
| CORE COURSE REQUIREMENTS (49) | |
| AGR 130 <i>and</i> AGR 131 | Plant Science (3) |
| OHO 131 <i>and</i> OHO 132 | Plant Science Laboratory (1) |
| AGR 115 | Operation of Agricultural Equipment (2) (<i>fall only</i>) |
| AGR 170 | Application of Unmanned Aircraft Systems in Agriculture (3) |
| AGR 213 | Principles of Agricultural Mechanics and Energy Systems (3) |
| AGR 215 | Principles of Soils (3) |
| AGR 216 | Principles of Soils Laboratory (1) |
| AGR 304 | Pest Management (4) (<i>spring only</i>) |
| AGR 305 | Professional Skills Seminar (1) |
| AGR 308 | Agricultural Economics (3) |
| AGR 310 | Principles of Agribusiness Management (3) |
| AGR 319 | Renewable and Sustainable Energy Systems (3) |
| AGR 340 | Conservation of Agricultural Resources (3) |
| AGR 411 | Senior Seminar (1) |
| <i>Bracketed items must be taken concurrently</i> | |
| †PLUS THREE (3) HOURS selected from (<i>experimental learning</i>): | |
| AGR 301 | Directed Work Experience (1-4) |
| AGR 302 | Directed Work Experience-Management Practicum (3) |
| AGR 349 | Applied Learning in Agriculture (.5-8) |
| OHO 301 | Directed Work Experience (1-4) |
| OHO 349 | Applied Learning in Horticulture (.5-8) |
| ††PLUS ONE (1) COURSE selected from (<i>ACCT Capstone</i>): | |
| AGR 499 | Agricultural Advocacy and Issues Capstone (3) |
| AGR 509 | Agricultural Research Methods and Interpretation (3) (<i>fall only</i>) |
| OHO 498 | Turfgrass Capstone (3) |
| OHO 499 | Horticultural Issues Capstone (3) |
| ♦ PLUS NINE (9) HOURS selected from upper division AGR and/or OHO courses (<i>upper division elective</i>). | |
| FRUIT, VEGETABLE, NURSERY, AND GREENHOUSE PRODUCTION CONCENTRATION REQUIREMENTS (29) | |
| AGR 404 | Advanced Pest Management (3) (<i>spring only</i>) |
| AGR 416 | Soil Fertility and Management (3) |
| OHO 354 | Irrigation Systems and Horticultural Equipment (3) |
| OHO 365 | Plant Identification I (3) |
| OHO 372 | Horticulture Retail and Wholesale Management (2) |
| OHO 375 | Post Harvest Technology of Horticultural Crops (3) |
| OHO 388 | Greenhouse Operation and Management (3) (<i>spring only</i>) |
| ◆ PLUS NINE (9) HOURS of advisor approved electives (<i>concentration electives</i>) | |
| SUPPORTING COURSE REQUIREMENTS (5) | |
| ^g BIO 111 <i>or</i> ^g BIO 112 | Cell and Molecular Biology (4) |
| ^g CHE 101 <i>and</i> CHE 101L | Ecology and Evolution (4) |
| CIS 212 <i>or</i> INF 104 <i>or</i> TEC 161 | Introductory Chemistry (3) |
| ^g ECO 120 | Introductory Chemistry Lab (1) |
| | Introduction to Computer Information Systems (3) |
| | Computer Literacy with Software Applications (3) |
| | Computer Applications in Technology (3) |
| | Economic Reasoning and Issues (3) |
| FREE ELECTIVES (0) | |

* **PREREQUISITES:** Consult with your advisor and/or the University catalog regarding prerequisites for upper division AEM, AGR, and OHO courses.

Upper division courses: All students are required to have a minimum of 42 hrs. upper division (300 level or above) courses distributed throughout Major/Supporting/Gen Ed/Free Electives categories.

Refer to the University Catalog at <http://www.catalogs.eku.edu/> regarding University and General Education Requirements. All baccalaureate degree seeking students who enter the University are required to successfully complete one writing intensive course following completion of the ENG 102, ENG 105, or HON 102/103. Writing intensive courses are designated with the suffix "W" following the course prefix and number (e.g. HUM 300W).

Applied Critical & Creative Thinking (ACCT) Requirement: Agriculture majors will fulfill ACCT with AGR 499, AGR 509, OHO 498, or OHO 499 (Credit hours are incorporated into program requirements.)

^g Denotes that 3 credit hours from this course are/can be applied to fulfill a Gen. Ed. requirement.