

GENERAL EDUCATION CURRICULUM FOR BACCALAUREATE DEGREES IN AGRICULTURE

First Year Making Connections Course-3 semester credit hours

- AGRI 1213, Making Connections in Agriculture or equivalent

Communication-6 semester credit hours

- ENG 1003, Composition I
- ENG 1013, Composition II

Mathematics-3 semester credit hours

- MATH 1023, College Algebra, **or** MATH 1054, Precalculus Mathematics, **or** any higher level mathematics course for which College Algebra is a prerequisite.

Critical Thinking-3 semester credit hours

- SCOM 1203, Oral Communication

Understanding Global Issues-3 semester credit hours

One of the following courses:

Agricultural Education majors must choose between HIST 1013 and HIST 1023.

- ANTH 2233, Introduction to Cultural Anthropology
- GEOG 2613, Introduction to Geography
- HIST 1013, World Civilization to 1660
- HIST 1023, World Civilization since 1660

Arts and Humanities -9 semester credit hours

Students must complete three courses from this section. At least one must be a fine arts course. At least one must be a humanities course.

Agricultural Education majors must select ENG 2003 and ENG 2013.

Fine Arts:

- ART 2503, Fine Arts—Visual
- MUS 2503, Fine Arts—Musical
- THEA 2503, Fine Arts—Theatre

Humanities:

- ENG 2003, Introduction to Literature of the Western World I
- ENG 2013, Introduction to Literature of the Western World II
- PHIL 1103, Introduction to Philosophy

Social Sciences -9 semester credit hours

Three of the following courses:

At least one course must be HIST 2763 or HIST 2773 or POSC 2103.

Animal Science majors must choose between ECON 2313 and ECON 2333 as one of their social science courses. All Agricultural Business majors must select ECON 2313 as one of their social sciences. All other majors in Agriculture are not required to take an economics course as a social science.

- ECON 2313, Principles of Macroeconomics
- ECON 2333, Economic Issues and Concepts
- HIST 2763, the United States To 1876
- HIST 2773, the United States Since 1876
- POSC 1003, Introduction to Politics
- POSC 2103, Introduction to United States Government
- PSY 2013, Introduction to Psychology
- SOC 2213, Introduction to Sociology

Life Sciences-4 semester credit hours

BIOL 1003 **AND** 1001, Biological Science and Laboratory

Animal Science majors must select:

BIO 2103 **AND** 2101, Microbiology for Nursing and Allied Health and Laboratory **OR**
BIO 4104, Microbiology)

In order to receive General Education credit for either of these microbiology courses, students with this major must take BIO 1303 **AND** 1301, Biology of Animals and Laboratory. (Note that the credit hours for the Biology of Animal courses will NOT count toward the total General Education hours.)

Physical Sciences-4 semester credit hours

CHEM 1013 **AND** 1011, General Chemistry I and Laboratory (Required for Animal Science-Pre-Vet emphasis and Plant and Soil Science-Research Emphasis)

CHEM 1043 and 1041, Fundamental Concepts of Chemistry and Laboratory for all other majors in Agriculture

Health and Wellness-2-3 semester credit hours

NRS 2203, Basic Human Nutrition

PE 1002, Concepts of Fitness

Total General Education Requirements: 46-47 semester credit hours

AGRICULTURE CORE COURSES

(Total of 21 semester credit hours)

- AGECE 1003, Introduction to Agricultural Business*
- ANSC 1613, Introduction to Animal Science*
- PSSC 1303, Introduction to Plant Science*
- AGRI 3233, Applied Agricultural Statistics **OR** ECON 2113, Business Statistics I **OR** STAT 3233, Applied Statistics*
- AGRI 3723, Agricultural Connections: Technical Interpretation and Professional Applications
- PSSC 2813, Soils+
- At least 3 hours from the following list:
 - TECH 2453, Technology Design Solid Works I
 - TECH 2883, Introduction to Quality Control
 - TECH 3863, Industrial Safety
 - FDST 2203, Introduction to Food Science
 - AGRI 2213, Genetic Improvement of Plants and Animals
 - BIOL 3013, Genetics
 - PSSC 3503, Agriculture Spatial Technologies I
 - AGED 3453, Agricultural Structural Systems
 - AGED 445V, Practicum in Agricultural Communications
 - AGED 4473, International Agriculture Study Tour

*Courses should be completed by the end of the sophomore year.

PLANT AND SOIL SCIENCE DEGREE REQUIREMENTS

GENERAL EDUCATION REQUIREMENTS-46-47 semester credit hours

AGRICULTURE CORE COURSES-21 semester credit hours

MAJOR REQUIREMENTS-22 semester credit hours

- PSSC 2811, Soils Laboratory
- PSSC 1301, Plant Science Laboratory
- AGECE 3013, Computerized Agriculture Records **OR** CIT 1503, Microcomputer Applications
- AGRI 2213, Genetic Improvement of Plants and Animals
- BIO 1503 **AND** 1501, Biology of Plants and Laboratory
- BIO 3303 **AND** 3301, General Entomology and Laboratory
- PSSC 3313, Plant Disease Management
- PSSC 4313, Plant Growth and Development

EMPHASIS AREA

Students should select from one of the following career specialty areas.

AGRONOMY-26 semester credit hours

- CHEM 1052, Fundamental Concepts of Chemistry II
- PSSC 3323, Weeds and Weed Control
- PSSC 4813, Soil Fertility
- AGRI 3543, Fundamental of GIS **OR** PSSC 3503, Agricultural Spatial Technologies I
- 15 semester credit hours of PSSC or HORT Electives or related area

SCIENCE/RESEARCH-24-26 semester credit hours

- CHEM 1023 **AND** 1021, General Chemistry II and Laboratory
- CHEM 3103 **AND** 3101, Organic I and Laboratory
- CHEM 3113 **AND** 3111, Organic II and Laboratory
- CHEM 4243, Biochemistry
- MATH 2204, Calculus I, **OR** MATH 2194, Survey of Calculus **OR** AGRI 4233, Experimental Agricultural Statistics
- 6-7 semester credit hours of PSSC or HORT Electives or related area

ENVIRONMENTAL HORTICULTURE-26 semester credit hours

- CHEM 1052, Fundamental Concepts of Chemistry II
- HORT 3293, Landscape Plant Materials
- HORT 2253, Fundamentals of Horticulture
- HORT 4253, Greenhouse Management
- 15 semester credit hours of HORT Electives or related area

FREE ELECTIVES-11-14 semester credit hours

TOTAL SEMESTER CREDIT HOURS FOR DEGREE-124