MAJOR IN AGRICULTURE (B.S.)
PRE-VETERINARY MEDICINE SEQUENCE

Transfer Students

Illinois Articulation Initiative (min. 37 credit hours)
To be eligible for IAI, at least one transfer course must have been articulated to an IAI core requirement. Refer to the Undergraduate Catalog for a complete list of IAI courses and policies.

Communication and Composition (3 courses required)
A grade of C or better required in ENG 101 and 145 or equivalents
   3  C2 900  COM 110 Communication as Critical Inquiry
   3  C1 900  ENG 101 or ENG 101A10 Composition as Critical Inquiry
   3  C1 901  ENG 145 Writing in the Academic Disciplines

Mathematics (1 course required)
Please see major requirements for mathematics options
   4  M1 900-1  MAT 145 Calculus I (College-level Calculus I)

Physical & Life Sciences (2 courses/7-8 hours required)
Students must complete 1 life science and 1 physical science course; at least 1 course must have a lab.
   4  P1 902L  CHE 140 General Chemistry I
   4  L1 910L  BSC 196 Biological Diversity and BSC 197 Molecular & Cellular Basis of Life

Humanities & Fine Arts (3 courses required)
At least 1 humanities and 1 fine arts course required

Social & Behavioral Sciences (3 courses required)
2 different disciplines must be represented

Additional Graduation Requirements
   /120 minimum total credit hours
   /42 minimum senior college hours

AMALI requirement
See the AMALI Requirement section of the catalog or the Course Finder website for a list of courses.

B.S. Science, Math, & Technology (1 course required)
See the B.S.—SMT Requirement section of the catalog or the Course Finder website for a list of courses. See major requirements for course options.

Major (min. 71 credit hours)
   3  AGR 109 Introduction to the Agriculture Industry
   3  AGR 170 Introduction to Animal Science
   3  AGR 173 Working With Domestic Animals (P: AGR 170 or conc. reg.)
   3  AGR 272 Agricultural Genetics
   4  AGR 275 Introduction to Animal Nutrition (P: AGR 170)
   3  AGR 282 Anatomy & Physiology of Livestock & Companion Animals I (P: AGR 170 and BSC 196 or 197)
   3  AGR 283 Reproductive Physiology of Livestock
   3  AGR 286 Behavior of Domestic Animals
   3  AGR 380 Current Issues in the Livestock Industry (P: AGR 170, 173, 272, 275, 282, 283, 286; 75+ earned or in progress hours)
   4  BSC 196 Biological Diversity
   4  BSC 197 Molecular & Cellular Basis of Life
   4  CHE 140 General Chemistry I (P: C or better in NAT 119; or C or better in MAT 120 or 144 or 145 or conc. reg.)
   4  CHE 141 General Chemistry II (P: CHE 140)
   3  CHE 230 Organic Chemistry I (P: CHE 141)
   1  CHE 231 Organic Chemistry Laboratory (P: CHE 141; conc. reg. in CHE 230)

Take 1 of the following courses:
   3  AGR 110 Introductory Agricultural Economics
   3  AGR 120 Introductory Horticulture
   3  AGR 130 Introduction to Agricultural Engineering Technology
   4  AGR 150 Principles of Agronomy
   4  AGR 157 Soil Science (P: CHE 102 or 110 or 140)

Choose 1 of the following options:
   2  AGR 381A01 Livestock Industry: Beef Cattle (P: AGR 170, 173, 272, 275, 282, 283, 286, 380 or conc. reg.)
   2  AGR 381A03 Livestock Industry: Swine (P: AGR 170, 173, 272, 275, 282, 283, 286, 380 or conc. reg.)
   2  AGR 398 Professional Practice: Internship in Agriculture (P: 2.5 GPA; 8 hours of course work in intern area; approved application)

Take 1 of the following courses:
   3  CHE 242 Basic Biochemistry (P: 1 semester of organic chemistry)
   3  CHE 342 General Biochemistry I (P: C or better in CHE 232 or 1 year of organic chemistry)

Take 1 of the following courses:
   4  BSC 196 Biological Diversity
   4  BSC 197 Molecular & Cellular Basis of Life

Choose 1 of the following options:
   5/5  PHY 108 College Physics I AND PHY 109 College Physics II (P: PHY 108 or 110)
   4/4  PHY 110 Physics for Science & Engineering I (P: MAT 145 or conc. reg.) AND PHY 111 Physics for Science & Engineering II (P: PHY 110 and MAT 146 or conc. reg.)

Take 1 of the following courses:
   4  MAT 144 Precalculus (P: C or better in MAT 119 & 108 or placement)
   4  MAT 145 Calculus I (P: C or better in MAT 144 or placement)

Take 4 credit hours of additional Animal Science electives:
Please consult your academic advisor.

Agriculture (AGR) Courses:
https://coursefinder.illinoisstate.edu/directory/agr/

Directory of all courses:
https://coursefinder.illinoisstate.edu/directory/