The requirements below pertain to the 2018-2019 Undergraduate Catalog and are intended as a guide for academic planning. Students should consult with their academic advisor to discuss their individual plan of study.

Illinois Articulation Initiative (37-41 credit hours)

Please consult your Undergraduate Catalog for a complete list of IAI courses.

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 one 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 one humanities and 1 fine arts course required

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

Additional Graduation Requirements

- /120 minimum total credit hours
- /42 minimum senior college hours

AMALI requirement
***certain courses in General Education fulfill the AMALI requirement

B.S. Science, Math, & Technology (1 course required)
Please see major requirements for science, math, & technology options

Major (71-74 credit hours)

- 3 AGR 109 Introduction to the Agriculture Industry
- 3 AGR 170 Introduction to Animal Science
- 2 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 MAT 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 one 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 one of the following options:

- 2 AGR 381A01 Livestock Industry: Beef Cattle (P: AGR 170, 173, 272, 275, 282, 283, 380 or conc. reg.)
- 2 AGR 381A03 Livestock Industry: Swine (P: AGR 170, 173, 272, 275, 282, 283, 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 one 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)

Choose one 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 one 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.
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NOTES:

Highlighted courses may be completed at another school.

General Education courses can be completed through one of the following:

1) Baccalaureate-oriented associate degree program which includes the completion of the IAI General Education Core Curriculum
2) Illinois Articulation Initiative (IAI) Core Curriculum program

A 3.2 GPA is required to graduate in Pre-Vet.