

AGRICULTURE (AGR) 502

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Honors in Agriculture

Departmental Honors in Agriculture is available to qualified juniors and seniors. The student completing the Honors Program graduation requirements will graduate "with Honors in Agriculture," which will be indicated on the student's official transcript and diploma.

Admission to the Honors Program in Agriculture requires a minimum of sixty (60) semester hours of post-secondary courses with a cumulative grade point average of 3.50 or higher on a 4.00 scale. In order to graduate as an Honors Graduate in Agriculture, a student must fulfill the general requirements for participation in the University Honors Program. Students must also have a cumulative grade point average of 3.50 or higher; a cumulative grade point of 3.70 or higher for all courses taken in the Department of Agriculture; successfully completed two in-course honors in 200-level or higher courses in the student's technical area; successfully completed one in-course honors course in a 200-level or higher course offered outside the Department of Agriculture; and successfully completed a minimum of three credit hours of AGR 299, Independent Study. The Department of Agriculture offers in-course honors work in all its courses for students enrolled in the University Honors Program or in any departmental honors program. In-course work is offered at the discretion of the instructor. Further details about the University Honors program are available at Honors.IllinoisState.edu.

Agriculture (AGR) Program

Degree Offered: B.S.

Major in Agriculture (AGR)**Agribusiness Sequence****Agriculture Communication and Leadership Sequence****Agronomy Management Sequence****Animal Industry Management Sequence****Animal Science Sequence****Crop and Soil Science Sequence****Food Industry Management Sequence****Horticulture and Landscape Management Sequence****Pre-Veterinary Medicine Sequence****Agriculture Teacher Education Sequence**

In meeting program requirements in the Department of Agriculture, the student should note that the courses are considered in areas, as follows:

General courses:

AGR 109, 198, 201, 203, 205, 302, 303, 398

Agribusiness:

AGR 110, 213, 214, 215, 216, 311, 312, 313, 314, 315, 317, 318, 319, 320, 324

Agricultural Education:

AGR 190, 295, 394, 395

Agricultural :

AGR 130, 225, 231, 232, 234, 235, 304, 340, 383

Agronomy:

AGR 150, 157, 272, 304, 305, 306, 352, 355, 357, 363

Animal Science:

AGR 170, 173, 271, 272, 275, 280, 282, 283, 285, 286, 288, 363, 372, 375, 380, 381A01, 381A03, 386

Horticulture and Landscape Management:

AGR 120, 150, 157, 252, 253, 254, 255, 256, 257, 260, 262, 352, 353, 355, 356

Clinical Experiences in Teacher Education

A variety of clinical (pre-student teaching) experiences, as well as student teaching, are included in the teacher candidates professional preparation. Observations, small and large group instruction, tutoring, field experiences, and student teaching are included in the Clinical Experiences Program. The experiences offered prior to student teaching are integral parts of specific college courses. Clinical experiences are provided in off-campus professional development schools, local schools, campus laboratory schools, agencies and other approved non-school settings. The Cecilia J. Lauby Teacher Education Center monitors and documents all clinical experiences. Teacher candidates will show verification of having completed clinical experiences commensurate with attaining local, state, and national standards. Teacher candidates must provide their own transportation to clinical experiences sites.

Candidates are required to provide documentation of meeting all State of Illinois, district, and university requirements in regard to criminal background checks BEFORE beginning any clinical experiences. Criminal background checks must remain current as of the last day of the clinical experience. Candidates should consult with clinical course faculty and the Cecilia J. Lauby Teacher Education Center well in advance of clinical experiences to determine specific requirements needed each semester.

The approximate number of clinical hours associated with each course offering can be found with the appropriate course description. The following legend relates to the type and kind of activity related to a specific course.

Clinical Experiences Legend

- Observation (including field trips)
- Tutoring one-on-one contact
- Non-instructional assisting
- Small group instruction
- Whole class instruction
- Work with clinic client(s)
- Graduate practicum
- Professional meeting

Minor in Agriculture (AGR)

- 24 hours in Agriculture required
- **Required courses:**
 - AGR 109
 - Two 100-level Agriculture courses

Agriculture Courses:

<https://coursefinder.illinoisstate.edu/directory/agr/>

All Courses: <https://coursefinder.illinoisstate.edu/directory/>

MAJOR IN AGRICULTURE (B.S.)

AGRIBUSINESS SEQUENCE

General Education Program (39 credit hours)

Refer to the General Education section of the Undergraduate Catalog for a complete list of General Education requirements and courses.

Communication and Composition (2 courses required)

- _____ 3 COM 110 Communication as Critical Inquiry
 _____ 3 ENG 101 or ENG 101A10 Composition as Critical Inquiry

Mathematics (1 course required)

- _____ 4 MAT 120 Finite Mathematics

Natural Science/Natural Science Alternatives (2 courses required)

Students must complete 1 course from 2 different sciences. Please see major requirements for natural science options.

United States Traditions (1 course required)

Individuals & Civic Life (1 course required)

Fine Arts (1 course/3 credit hours required)***

Humanities (1 course required)***

Language in the Humanities (1 course required)***

Quantitative Reasoning for B.S. (1 course required)

Exempt for Agriculture majors

Science, Math, & Technology (1 course required)

See major requirements for science, math, & technology options

Social Sciences (1 course required)***

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.

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

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. 62 credit hours)

- _____ 3 AGR 109 Introduction to the Agriculture Industry
 _____ 3 AGR 110 Introductory Agricultural Economics
 _____ 3 ACC 131 Financial Accounting (P: 12+ earned hours)
 _____ 4 ECO 105 Principles of Economics
 _____ 4 MAT 120 Finite Mathematics (P: C or better in MAT 119 or placement)

Take 1 of the following courses:

- _____ 4/1 CHE 110/112 Fundamentals of Chemistry & Laboratory
 _____ 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.)

Take 4 (12-14 credit hours) of the following courses:

- _____ 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)
 _____ 3 AGR 170 Introduction to Animal Science
 _____ 3 AGR 205 Microcomputer Applications in Agriculture

Take 6 (18 credit hours) additional Agriculture electives:

At least 4 (12 credit hours) courses must be Agribusiness courses selected from: AGR 213, 214, 215, 216, 311, 312, 313, 314, 315, 317, 318, 319, 320, 324

Agribusiness electives:

Agriculture electives:

Take 4 (12 credit hours) additional electives from the College of Business and/or the Department of Economics:

- AGR 295, 394, and 395 do not count toward this major
- Non-business majors who desire to elect more than 30 hours of their coursework in business must meet all College of Business requirements for graduation. These students should register for additional courses only in person and with the written permission of the College of Business advisor.

Agriculture (AGR) Courses:

<https://coursefinder.illinoisstate.edu/directory/agr/>

Directory of all courses:

<https://coursefinder.illinoisstate.edu/directory/>

MAJOR IN AGRICULTURE (B.S.)**AGRIBUSINESS 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)

- _____ 4 M1 906 MAT 120 Finite Math

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 902 and P1 902L CHE 110/112 Fundamentals of Chemistry or P1 902L CHE 140 General Chemistry I

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

- _____ 3 S3 901 Macroeconomics
 _____ 3 S3 902 Microeconomics

Additional Graduation Requirements

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

AMALI requirement (1 course required)

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. 62 credit hours)

- _____ 3 AGR 109 Introduction to the Agriculture Industry
 _____ 3 AGR 110 Introductory Agricultural Economics
 _____ 3 ACC 131 Financial Accounting (P: 12+ earned hours)
 _____ 4 ECO 105 Principles of Economics
 _____ 4 MAT 120 Finite Mathematics (P: C or better in MAT 119 or placement)

Take 1 of the following courses:

- _____ 4/1 CHE 110/112 Fundamentals of Chemistry & Laboratory
 _____ 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.)

Take 4 (12-14 credit hours) of the following courses:

- _____ 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)
 _____ 3 AGR 170 Introduction to Animal Science
 _____ 3 AGR 205 Microcomputer Applications in Agriculture

Take 6 (18 credit hours) additional Agriculture electives:

At least 4 (12 credit hours) courses must be Agribusiness courses selected from: AGR 213, 214, 215, 216, 311, 312, 313, 314, 315, 317, 318, 319, 320, 324

Agribusiness electives:

Agriculture electives:

Take 4 (12 credit hours) additional electives from the College of Business and/or the Department of Economics:

- AGR 295, 394, and 395 do not count toward this major
- Non-business majors who desire to elect more than 30 hours of their coursework in business must meet all College of Business requirements for graduation. These students should register for additional courses only in person and with the written permission of the College of Business advisor.

Agriculture (AGR) Courses:

<https://coursefinder.illinoisstate.edu/directory/agr/>

Directory of all courses:

<https://coursefinder.illinoisstate.edu/directory/>

MAJOR IN AGRICULTURE (B.S.)**Agriculture Communication and Leadership Sequence****General Education (39 credit hours)**

Refer to the General Education section of the Undergraduate Catalog for a complete list of General Education requirements and courses.

Communication and Composition (2 courses required)

- _____ 3 COM 110 Communication as Critical Inquiry
 _____ 3 ENG 101 or ENG 101A10 Composition as Critical Inquiry

Mathematics (1 course required)

Natural Science/Natural Science Alternatives (2 courses required)

Students must complete 1 course from 2 different sciences.

United States Traditions (1 course required)

Individuals & Civic Life (1 course required)

Fine Arts (1 course/3 credit hours required)***

Humanities (1 course required)***

Language in the Humanities (1 course required)***

Quantitative Reasoning for B.S. (1 course required)

Exempt for Agriculture Communication & Leadership majors

Science, Math, & Technology (1 course required)

See major requirements for science, math, & technology options

Social Sciences (1 course required)***

Additional Graduation Requirements

_____/120 minimum total credit hours

_____/42 minimum senior college hours

AMALI requirement

***Certain courses in General Education fulfill the 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. 55 credit hours)

- _____ 3 AGR 109 Introduction to the Agriculture Industry
 _____ 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
 _____ 3 AGR 170 Introduction to Animal Science
 _____ 2 AGR 190 Introduction to Agricultural Education (P: conc. reg. in AGR 191 or 192)
 _____ 1 AGR 192 Introduction to Agricultural Communication & Leadership (P: AGR 190 or conc. reg.)
 _____ 3 AGR 205 Microcomputer Applications in Agriculture
 _____ 3 COM 111 Introduction to Communication Theories
 _____ 3 COM 297 Communication Research Methods (P: COM 111)

Take 3 credit hours from the following courses:

- _____ 3 AGR 295 Summer Internship in Agricultural Education†
 _____ 1-6 AGR 398 Professional Practice: Internship in Agriculture (P: 2.5 GPA; 8 hours of course work in intern area; approved application)

Take 1 (2-3 credit hours) of the following courses:

- _____ 3 AGR 319 Agriculture Programs & Programs (P: AGR 110)
 _____ 3 EAF 228 Social Foundations (P: 45+ earned hours)
 _____ 3 EAF 231 Introduction to Philosophy of Education (P: 45+ earned hours)
 _____ 3 EAF 235 Historical Foundations (P: 45+ earned hours)
 _____ 2 TCH 212 Issues in Secondary Education

Take 2 or 3 (6-9 credit hours) additional Agriculture electives: Refer to the AGR section of the catalog for elective course options or consult your academic advisor.

Take 4 (12 credit hours) additional electives from the School of Communication:

† Admission to Professional Studies required

Agriculture (AGR) Courses:

<https://coursefinder.illinoisstate.edu/directory/agr/>

Directory of all courses:

<https://coursefinder.illinoisstate.edu/directory/>

MAJOR IN AGRICULTURE (B.S.)**Agriculture Communication and Leadership 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)

- _____ 4 M1 906 MAT 120 Finite Math

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 902 and P1 902L CHE 110/112 Fundamentals of Chemistry or P1 902L CHE 140 General Chemistry I

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

- _____ 3 S3 901 Macroeconomics
 _____ 3 S3 902 Microeconomics

Additional Graduation Requirements

_____/120 minimum total credit hours

_____/42 minimum senior college hours

AMALI requirement (1 course required)

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. 55 credit hours)

- _____ 3 AGR 109 Introduction to the Agriculture Industry
 _____ 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
 _____ 3 AGR 170 Introduction to Animal Science
 _____ 2 AGR 190 Introduction to Agricultural Education (P: conc. reg. in AGR 191 or 192)
 _____ 1 AGR 192 Introduction to Agricultural Communication & Leadership (P: AGR 190 or conc. reg.)
 _____ 3 AGR 205 Microcomputer Applications in Agriculture
 _____ 3 COM 111 Introduction to Communication Theories
 _____ 3 COM 297 Communication Research Methods (P: COM 111)

Take 3 credit hours from the following courses:

- _____ 3 AGR 295 Summer Internship in Agricultural Education†
 _____ 1-6 AGR 398 Professional Practice: Internship in Agriculture (P: 2.5 GPA; 8 hours of course work in intern area; approved application)

Take 1 (2-3 credit hours) of the following courses:

- _____ 3 AGR 319 Agriculture Programs & Programs (P: AGR 110)
 _____ 3 EAF 228 Social Foundations (P: 45+ earned hours)
 _____ 3 EAF 231 Introduction to Philosophy of Education (P: 45+ earned hours)
 _____ 3 EAF 235 Historical Foundations (P: 45+ earned hours)
 _____ 2 TCH 212 Issues in Secondary Education

Take 2 or 3 (6-9 credit hours) additional Agriculture electives: Refer to the AGR section of the catalog for elective course options or consult your academic advisor.

Take 4 (12 credit hours) additional electives from the School of Communication:

† Admission to Professional Studies required

Agriculture (AGR) Courses:

<https://coursefinder.illinoisstate.edu/directory/agr/>

Directory of all courses:

<https://coursefinder.illinoisstate.edu/directory/>

MAJOR IN AGRICULTURE (B.S.) AGRONOMY MANAGEMENT SEQUENCE

General Education (39 credit hours)

Refer to the General Education section of the Undergraduate Catalog for a complete list of General Education requirements and courses.

Communication and Composition (2 courses required)

- _____ 3 COM 110 Communication as Critical Inquiry
_____ 3 ENG 101 or ENG 101A10 Composition as Critical Inquiry

Mathematics (1 course required)

- _____ 4 MAT 120 Finite Mathematics

Natural Science/Natural Science Alternatives (2 courses required)

Students must complete 1 course from 2 different sciences. Please see major requirements for natural science options.

United States Traditions (1 course required)

Individuals & Civic Life (1 course required)

Fine Arts (1 course/3 credit hours required)***

Humanities (1 course required)***

Language in the Humanities (1 course required)***

Quantitative Reasoning for B.S. (1 course required)

Exempt for Agriculture Majors

Science, Math, & Technology (1 course required)

Social Sciences (1 course required)***

Additional Graduation Requirements

_____/120 minimum total credit hours

_____/42 minimum senior college hours

AMALI requirement

***Certain courses in General Education fulfill the 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.

- _____ 4 AGR 157 Soil Science

Major 55 hours in Agriculture Required

- _____ 3 AGR 109 Introduction to the Agriculture Industry
_____ 3 AGR 110 Introductory Agricultural Economics
_____ 3 AGR 120 Introductory Horticulture
_____ 4 AGR 150 Principles of Agronomy
_____ 4 AGR 157 Soil Science (P: CHE 102 or 110 or 140)
_____ 3 AGR 203 Agriculture And the Environment
_____ 3 AGR 234 Soil & Water Conservation
_____ 3 AGR 272 Agricultural Genetics
_____ 4 AGR 305 Crop Growth & Development
_____ 4 AGR 357 Soil Fertility & Fertilizers (P: AGR 157)

Take 12 credit hours additional senior level Agribusiness electives:

Please consult your catalog for course options and/or academic advisor.

Take 6 credit hours additional senior level Agronomy electives:

Please consult your catalog for course options and/or academic advisor.

Take a 3 hour senior level Horticulture course:

Please consult your catalog for course options and/or academic advisor.

Agriculture (AGR) Courses:

<https://coursefinder.illinoisstate.edu/directory/agr/>

Directory of all courses:

<https://coursefinder.illinoisstate.edu/directory/>

MAJOR IN AGRICULTURE (B.S.)**AGRONOMY 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)

- _____ 4 M1 906 MAT 120 Finite Math

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.

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

- _____ 3 S3 901 Macroeconomics
 _____ 3 S3 902 Microeconomics

Additional Graduation Requirements

_____/120 minimum total credit hours

_____/42 minimum senior college hours

AMALI requirement (1 course required)

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.

- _____ 4 AGR 157 Soil Science

Major 55 hours in Agriculture Required

- _____ 3 AGR 109 Introduction to the Agriculture Industry
 _____ 3 AGR 110 Introductory Agricultural Economics
 _____ 3 AGR 120 Introductory Horticulture
 _____ 4 AGR 150 Principles of Agronomy
 _____ 4 AGR 157 Soil Science (P: CHE 102 or 110 or 140)
 _____ 3 AGR 203 Agriculture And the Environment
 _____ 3 AGR 234 Soil & Water Conservation
 _____ 3 AGR 272 Agricultural Genetics
 _____ 4 AGR 305 Crop Growth & Development
 _____ 4 AGR 357 Soil Fertility & Fertilizers (P: AGR 157)

Take 12 credit hours additional senior level Agribusiness electives:

Please consult your catalog for course options and/or academic advisor.

Take 6 credit hours additional senior level Agronomy electives:

Please consult your catalog for course options and/or academic advisor.

Take a 3 hour senior level Horticulture course:

Please consult your catalog for course options and/or academic advisor.

Agriculture (AGR) Courses:

<https://coursefinder.illinoisstate.edu/directory/agr/>

Directory of all courses:

<https://coursefinder.illinoisstate.edu/directory/>

MAJOR IN AGRICULTURE (B.S.)**Animal Industry Management Sequence****General Education (39 credit hours)**

Refer to the General Education section of the Undergraduate Catalog for a complete list of General Education requirements and courses.

Communication and Composition (2 courses required)

- _____ 3 COM 110 Communication as Critical Inquiry
 _____ 3 ENG 101 or ENG 101A10 Composition as Critical Inquiry

Mathematics (1 course required)

- _____ 4 MAT 120 Finite Mathematics

Natural Science/Natural Science Alternatives (2 courses required)

Students must complete 1 course from 2 different sciences. Please see major requirements for natural science options.

United States Traditions (1 course required)

Individuals & Civic Life (1 course required)

Fine Arts (1 course/3 credit hours required)***

Humanities (1 course required)***

Language in the Humanities (1 course required)***

Quantitative Reasoning for B.S. (1 course required)

Exempt for Agribusiness majors

Science, Math, & Technology (1 course required)

See major requirements for science, math, & technology options

Social Sciences (1 course required)***

Additional Graduation Requirements

_____/120 minimum total credit hours

_____/42 minimum senior college hours

AMALI requirement

***Certain courses in General Education fulfill the 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. 61 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)

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)

Choose 1 of the following options:

- _____ 3 CHE 102 Chemistry & Society
 _____ 4/1 CHE 110/112 Fundamentals of Chemistry & Laboratory
 _____ 4/4 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.) **AND** CHE 141 General Chemistry II (P: CHE 140)

Choose 1 of the following options:

- _____ 3 BSC 101 Fundamental Concepts in Biology
 _____ 4/4 BSC 196 Biological Diversity **AND** BSC 197 Molecular & Cellular Basis of Life

Take 5 (15 credit hours) additional Agribusiness electives:

Please consult your academic advisor.

Take 8 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/ctory/>

MAJOR IN AGRICULTURE (B.S.)

ANIMAL INDUSTRY MANAGEMENT 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

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.

- _____ 3 P1 903L CHE 102 Chemistry and Society or P1 902 and P1 902L CHE 110/112 Fundamentals of Chemistry or P1 902L CHE 140 General Chemistry I
- _____ 3 or 4 L1 900L BSC 101 Fund Concepts in Biology or L1 910L BSC 196 Biological Diversity or 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. 61 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)

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)

Choose 1 of the following options:

- _____ 3 CHE 102 Chemistry & Society
- _____ 4/1 CHE 110/112 Fundamentals of Chemistry & Laboratory
- _____ 4/4 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.) AND CHE 141 General Chemistry II (P: CHE 140)

Choose 1 of the following options:

- _____ 3 BSC 101 Fundamental Concepts in Biology
- _____ 4/4 BSC 196 Biological Diversity AND BSC 197 Molecular & Cellular Basis of Life

Take 5 (15 credit hours) additional Agribusiness electives:

Please consult your academic advisor.

Take 8 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/>

MAJOR IN AGRICULTURE (B.S.)**ANIMAL SCIENCE SEQUENCE****General Education Program (39 credit hours)**

Refer to the General Education section of the Undergraduate Catalog for a complete list of General Education requirements and courses.

Communication and Composition (2 courses required)

- _____ 3 COM 110 Communication as Critical Inquiry
 _____ 3 ENG 101 or ENG 101A10 Composition as Critical Inquiry

Mathematics (1 course required)

- _____ 4 MAT 120 Finite Mathematics

Natural Science/Natural Science Alternatives (2 courses required)

Students must complete 1 course from 2 different sciences. Please see major requirements for natural science options.

United States Traditions (1 course required)

Individuals & Civic Life (1 course required)

Fine Arts (1 course/3 credit hours required)***

Humanities (1 course required)***

Language in the Humanities (1 course required)***

Quantitative Reasoning for B.S. (1 course required)

Exempt for Agriculture majors

Science, Math, & Technology (1 course required)

Social Sciences (1 course required)***

Additional Graduation Requirements

_____/120 minimum total credit hours

_____/42 minimum senior college hours

AMALI requirement

***Certain courses in General Education fulfill the 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. 56 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)

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)

Choose 1 of the following options:

- _____ 4/1 CHE 110/112 Fundamentals of Chemistry & Laboratory
 _____ 4/4 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.) **AND** CHE 141 General Chemistry II (P: CHE 140)

Choose 1 of the following options:

- _____ 5 CHE 220 Elementary Organic Chemistry (P: CHE 112 or 141)
 _____ 3/1 CHE 230 Organic Chemistry I (P: CHE 141) **AND** CHE 231 Organic Chemistry Laboratory (P: CHE 141; conc. reg. in CHE 230)

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

Take 1 of the following courses:

- _____ 4 MAT 120 Finite Mathematics (P: C or better in MAT 119 or placement)
 _____ 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/>

MAJOR IN AGRICULTURE (B.S.)**ANIMAL SCIENCE 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 906 MAT 120 Finite Mathematics
- OR M1 900-1 MAT 145 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 902 CHE 110 Fundamentals of Chemistry
and P1 902L CHE 112 Fundamentals of Chemistry Lab
or P1 902L CHE 140 General Chemistry I and CHE 141 General Chemistry II
- _____ 4 L1 910L BSC 196 Biological Diversity
or L1 910L 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)

1 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.

- _____ 3 AGR 282 Anatomy & Physiology of Livestock & Companion Animals I

Major (min. 56 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)

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)

Choose 1 of the following options:

- _____ 4/1 CHE 110/112 Fundamentals of Chemistry & Laboratory
- _____ 4/4 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.) **AND** CHE 141 General Chemistry II (P: CHE 140)

Choose 1 of the following options:

- _____ 5 CHE 220 Elementary Organic Chemistry (P: CHE 112 or 141)
- _____ 3/1 CHE 230 Organic Chemistry I (P: CHE 141) **AND** CHE 231 Organic Chemistry Laboratory (P: CHE 141; conc. reg. in CHE 230)

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

Take 1 of the following courses:

- _____ 4 MAT 120 Finite Mathematics (P: C or better in MAT 119 or placement)
- _____ 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/>

MAJOR IN AGRICULTURE (B.S.) CROP AND SOIL SEQUENCE

General Education (39 credit hours)

Refer to the General Education section of the Undergraduate Catalog for a complete list of General Education requirements and courses.

Communication and Composition (2 courses required)

- _____ 3 COM 110 Communication as Critical Inquiry
 _____ 3 ENG 101 or ENG 101A10 Composition as Critical Inquiry

Mathematics (1 course required)

- _____ 4 MAT 120 Finite Mathematics

Natural Science/Natural Science Alternatives (2 courses required)

Students must complete 1 course from 2 different sciences. Please see major requirements for natural science options.

United States Traditions (1 course required)

Individuals & Civic Life (1 course required)

Fine Arts (1 course/3 credit hours required)***

Humanities (1 course required)***

Language in the Humanities (1 course required)***

Quantitative Reasoning for B.S. (1 course required)

Exempt for Agriculture majors

Science, Math, & Technology (1 course required)

See major requirements for science, math, & technology options

Social Sciences (1 course required)***

Additional Graduation Requirements

_____/120 minimum total credit hours

_____/42 minimum senior college hours

AMALI requirement

***Certain courses in General Education fulfill the 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. of 61 hours)

- _____ 3 AGR 109 Introduction to the Agriculture Industry
 _____ 3 AGR 110 Introductory Agricultural Economics
 _____ 3 AGR 120 Introductory Horticulture
 _____ 4 AGR 150 Principles of Agronomy
 _____ 4 AGR 157 Soil Science (P: CHE 102 or 110 or 140)
 _____ 3 AGR 203 Agriculture And the Environment
 _____ 3 AGR 234 Soil & Water Conservation
 _____ 3 AGR 272 Agricultural Genetics
 _____ 4 AGR 305 Crop Growth & Development
 _____ 4 AGR 357 Soil Fertility & Fertilizers (P: AGR 157)
 _____ 5 CHE 220 Elementary Organic Chemistry (P: CHE 112 or 141)
 _____ 3 CHE 242 Basic Biochemistry (P: 1 semester of organic chemistry)
 _____ 3 GEO 102 Principles of Geology
 _____ 4 PHY 105 Fundamentals of Physics

Choose 1 of the following options:

- _____ 4/1 CHE 110/112 Fundamentals of Chemistry & Laboratory
 _____ 4/4 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.) AND CHE 141 General Chemistry II (P: CHE 140)

Take 1 of the following courses:

- _____ 4 MAT 120 Finite Mathematics (P: C or better in MAT 119 or placement)
 _____ 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 3 credit hours additional Agronomy electives:

Please consult your academic advisor.

Agriculture (AGR) Courses:

<https://coursefinder.illinoisstate.edu/directory/agr/>

Directory of all courses:

<https://coursefinder.illinoisstate.edu/directory/>

MAJOR IN AGRICULTURE (B.S.)**CROP AND SOIL 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)

- _____ 4 M1 906 MAT 120 Finite Math

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 902 and P1 902L CHE 110/112 Fundamentals of Chemistry or P1 902L CHE 140 General Chemistry I

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

- _____ 3 S3 901 Macroeconomics
- _____ 3 S3 902 Microeconomics

Additional Graduation Requirements

_____/120 minimum total credit hours

_____/42 minimum senior college hours

AMALI requirement (1 course required)

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. of 61 hours)

- _____ 3 AGR 109 Introduction to the Agriculture Industry
- _____ 3 AGR 110 Introductory Agricultural Economics
- _____ 3 AGR 120 Introductory Horticulture
- _____ 4 AGR 150 Principles of Agronomy
- _____ 4 AGR 157 Soil Science (P: CHE 102 or 110 or 140)
- _____ 3 AGR 203 Agriculture And the Environment
- _____ 3 AGR 234 Soil & Water Conservation
- _____ 3 AGR 272 Agricultural Genetics
- _____ 4 AGR 305 Crop Growth & Development
- _____ 4 AGR 357 Soil Fertility & Fertilizers (P: AGR 157)
- _____ 5 CHE 220 Elementary Organic Chemistry (P: CHE 112 or 141)
- _____ 3 CHE 242 Basic Biochemistry (P: 1 semester of organic chemistry)
- _____ 3 GEO 102 Principles of Geology
- _____ 4 PHY 105 Fundamentals of Physics

Choose 1 of the following options:

- _____ 4/1 CHE 110/112 Fundamentals of Chemistry & Laboratory
- _____ 4/4 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.) **AND** CHE 141 General Chemistry II (P: CHE 140)

Take 1 of the following courses:

- _____ 4 MAT 120 Finite Mathematics (P: C or better in MAT 119 or placement)
- _____ 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 3 credit hours additional Agronomy electives:

Please consult your academic advisor.

Agriculture (AGR) Courses:

<https://coursefinder.illinoisstate.edu/directory/agr/>

Directory of all courses:

<https://coursefinder.illinoisstate.edu/directory/>

MAJOR IN AGRICULTURE (B.S.)

Food Industry Management Sequence

General Education (39 credit hours)

Refer to the General Education section of the Undergraduate Catalog for a complete list of General Education requirements and courses.

Communication and Composition (2 courses required)

- _____ 3 COM 110 Communication as Critical Inquiry
 _____ 3 ENG 101 or ENG 101A10 Composition as Critical Inquiry

Mathematics (1 course required)

- _____ 4 MAT 120 Finite Mathematics

Natural Science/Natural Science Alternatives (2 courses required)

Students must complete 1 course from 2 different sciences. Please see major requirements for natural science options.

United States Traditions (1 course required)

Individuals & Civic Life (1 course required)

Fine Arts (1 course/3 credit hours required)***

Humanities (1 course required)***

Language in the Humanities (1 course required)***

Quantitative Reasoning for B.S. (1 course required)

Exempt for Agriculture majors

Science, Math, & Technology (1 course required)

See major requirements for science, math, & technology options

Social Sciences (1 course required)***

Additional Graduation Requirements

_____/120 minimum total credit hours

_____/42 minimum senior college hours

AMALI requirement

***Certain courses in General Education fulfill the 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.

- _____ 3 AGR 271 Foods of Animal Origin

Major (min. 60 credit hours)

- _____ 3 AGR 109 Introduction to the Agriculture Industry
 _____ 3 AGR 110 Introductory Agricultural Economics
 _____ 3 AGR 271 Foods of Animal Origin (P: CHE 110 & 112; or CHE 140 & 141)
 _____ 3 AGR 315 Financial Management & Analysis of the Agribusiness Firm (P: AGR 215; MAT 120; AGR 216 or ACC 131)
 _____ 3 AGR 317 Food Industry Marketing & Strategic Management (P: AGR 215)
 _____ 3 ACC 131 Financial Accounting (P: 12+ earned hours)
 _____ 4 ECO 105 Principles of Economics
 _____ 3 FIL 185 Legal, Ethical, & Social Environment of Business (P: 15+ earned hours; ECO 103 or 105)
 _____ 3 MKT 230 Introduction to Marketing Management (P: ECO 103 or 105; 60+ earned hours)
 _____ 4 MAT 120 Finite Mathematics (P: C or better in MAT 119 or placement)

Choose 1 of the following options:

- _____ 4/1 CHE 110/112 Fundamentals of Chemistry & Laboratory
 _____ 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.)

Take 1 of the following courses:

- _____ 3 AGR 120 Introductory Horticulture
 _____ 3 AGR 130 Introduction to Agricultural Engineering Technology
 _____ 4 AGR 150 Principles of Agronomy
 _____ 3 AGR 170 Introduction to Animal Science

Take 1 of the following courses:

- _____ 3 AGR 205 Microcomputer Applications in Agriculture
 _____ 3 IT 150 Using Microcomputer Productivity Tools

Take 1 of the following courses:

- _____ 3 ECO 138 Economic Reasoning Using Statistics (P: MAT 120 or 130 or 145)
 _____ 3 MQM 100 Statistical Reasoning (P: MAT 120 or 121 or 144 or 145)

Take 5 (15 credit hours) additional Food Industry Management electives:

(AGR 214, 215, 257, 285, 314, 319, 324, 340; FCS 102, 113, 213, 316, 319, 332)

Take 1 additional elective from the College of Business and/or the Department of Economics:

Agriculture (AGR) Courses:

<https://coursefinder.illinoisstate.edu/directory/agr/>

Directory of all courses:

<https://coursefinder.illinoisstate.edu/directory/>

MAJOR IN AGRICULTURE (B.S.)

FOOD INDUSTRY MANAGEMENT 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)

- _____ 4 M1 906 MAT 120 Finite Math

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.

- _____ 4-5 P1 902 CHE 110 Fundamentals of Chemistry and CHE 112 Lab or P1 902L CHE 140 General Chemistry I

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

- _____ 3 S3 901 Macroeconomics
 _____ 3 S3 902 Microeconomics

Additional Graduation Requirements

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

AMALI requirement (1 course required)

***certain courses in General Education fulfill the 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.

- _____ 3 AGR 271 Foods of Animal Origin

Major (min. 60 credit hours)

- _____ 3 AGR 109 Introduction to the Agriculture Industry
 _____ 3 AGR 110 Introductory Agricultural Economics
 _____ 3 AGR 271 Foods of Animal Origin (P: CHE 110 & 112; or CHE 140 & 141)
 _____ 3 AGR 315 Financial Management & Analysis of the Agribusiness Firm (P: AGR 215; MAT 120; AGR 216 or ACC 131)
 _____ 3 AGR 317 Food Industry Marketing & Strategic Management (P: AGR 215)
 _____ 3 ACC 131 Financial Accounting (P: 12+ earned hours)
 _____ 4 ECO 105 Principles of Economics
 _____ 3 FIL 185 Legal, Ethical, & Social Environment of Business (P: 15+ earned hours; ECO 103 or 105)
 _____ 3 MKT 230 Introduction to Marketing Management (P: ECO 103 or 105; 60+ earned hours)
 _____ 4 MAT 120 Finite Mathematics (P: C or better in MAT 119 or placement)

Choose 1 of the following options:

- _____ 4/1 CHE 110/112 Fundamentals of Chemistry & Laboratory
 _____ 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.)

Take 1 of the following courses:

- _____ 3 AGR 120 Introductory Horticulture
 _____ 3 AGR 130 Introduction to Agricultural Engineering Technology
 _____ 4 AGR 150 Principles of Agronomy
 _____ 3 AGR 170 Introduction to Animal Science

Take 1 of the following courses:

- _____ 3 AGR 205 Microcomputer Applications in Agriculture
 _____ 3 IT 150 Using Microcomputer Productivity Tools

Take 1 of the following courses:

- _____ 3 ECO 138 Economic Reasoning Using Statistics (P: MAT 120 or 130 or 145)
 _____ 3 MQM 100 Statistical Reasoning (P: MAT 120 or 121 or 144 or 145)

Take 5 (15 credit hours) additional Food Industry Management electives:

(AGR 214, 215, 257, 285, 314, 319, 324, 340; FCS 102, 113, 213, 316, 319, 332)

Take 1 additional elective from the College of Business and/or the Department of Economics:

- _____

Agriculture (AGR) Courses:

<https://coursefinder.illinoisstate.edu/directory/agr/>

Directory of all courses:

<https://coursefinder.illinoisstate.edu/directory/>

MAJOR IN AGRICULTURE (B.S.)

Horticulture and Landscape Management Sequence

General Education (39 credit hours)

Refer to the General Education section of the Undergraduate Catalog for a complete list of General Education requirements and courses.

Communication and Composition (2 courses required)

- _____ 3 COM 110 Communication as Critical Inquiry
 _____ 3 ENG 101 or ENG 101A10 Composition as Critical Inquiry

Mathematics (1 course required)

- _____ 4 MAT 120 Finite Mathematics

Natural Science/Natural Science Alternatives (2 courses required)

Students must complete 1 course from 2 different sciences. Please see major requirements for science options.

_____ _____
 _____ _____

United States Traditions (1 course required)

_____ _____

Individuals & Civic Life (1 course required)

_____ _____

Fine Arts (1 course/3 credit hours required)***

_____ _____

Humanities (1 course required)***

_____ _____

Language in the Humanities (1 course required)***

_____ _____

Quantitative Reasoning for B.S. or LAN 115 for B.A. (1 course required)

Exempt for Horticulture & Landscape Management majors

Science, Math, & Technology (1 course required)

_____ _____

Social Sciences (1 course required)***

_____ _____

Additional Graduation Requirements

_____/120 minimum total credit hours

_____/42 minimum senior college hours

AMALI requirement

***certain courses in General Education fulfill the 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.

- _____ 4 AGR 157 Soil Science

Major (min. 59 credit hours)

- _____ 3 AGR 109 Introduction to the Agriculture Industry
 _____ 3 AGR 110 Introductory Agricultural Economics
 _____ 3 AGR 120 Introductory Horticulture
 _____ 3 AGR 130 Introduction to Agricultural Engineering Technology
 _____ 4 AGR 157 Soil Science (P: CHE 102 or 110 or 140)
 _____ 3 ACC 131 Financial Accounting (P: 12+ earned hours)
 _____ 4 ECO 105 Principles of Economics
 _____ 3 FIL 185 Legal, Ethical, & Social Environment of Business (P: 15+ earned hours; ECO 103 or 105)
 _____ 4 MAT 120 Finite Mathematics (P: C or better in MAT 119 or placement)

Choose 1 of the following options:

- _____ 4/1 CHE 110/112 Fundamentals of Chemistry & Laboratory
 _____ 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.)

Take 1 of the following courses; AGR 150 preferred:

- _____ 4 AGR 150 Principles of Agronomy
 _____ 4 BSC 196 Biological Diversity
 _____ 4 BSC 197 Molecular & Cellular Basis of Life

Take 4 (12 credit hours) additional Agriculture electives:

(AGR 252, 253, 254, 255, 256, 257, 260, 262, 352, 353, 355, 356)

_____ _____
 _____ _____
 _____ _____
 _____ _____

Take 3 (9 credit hours) additional electives from the College of Business and/or the Department of Economics:

_____ _____
 _____ _____
 _____ _____

Agriculture (AGR) Courses:

<https://coursefinder.illinoisstate.edu/directory/agr/>

Directory of all courses:

<https://coursefinder.illinoisstate.edu/directory/>

MAJOR IN AGRICULTURE (B.S.)**Horticulture and Landscape Management 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 906 MAT 120 Finite Math

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.

- _____ 4-5 P1 902 CHE 110 Fundamentals of Chemistry and CHE 112 Lab
or P1 902L CHE 140 General Chemistry I
- _____ 4 L1 910L BSC 196 Biological Diversity or 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

- _____ 3 S3 901 Principles of Macroeconomics
- _____ 3 S3 902 Principles of Microeconomics

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.

- _____ 4 AGR 157 Soil Science

Major (min. 59 credit hours)

- _____ 3 AGR 109 Introduction to the Agriculture Industry
- _____ 3 AGR 110 Introductory Agricultural Economics
- _____ 3 AGR 120 Introductory Horticulture
- _____ 3 AGR 130 Introduction to Agricultural Engineering Technology
- _____ 4 AGR 157 Soil Science (P: CHE 102 or 110 or 140)
- _____ 3 ACC 131 Financial Accounting (P: 12+ earned hours)
- _____ 4 ECO 105 Principles of Economics
- _____ 3 FIL 185 Legal, Ethical, & Social Environment of Business (P: 15+ earned hours; ECO 103 or 105)
- _____ 4 MAT 120 Finite Mathematics (P: C or better in MAT 119 or placement)

Choose 1 of the following options:

- _____ 4/1 CHE 110/112 Fundamentals of Chemistry & Laboratory
- _____ 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.)

Take 1 of the following courses; AGR 150 preferred:

- _____ 4 AGR 150 Principles of Agronomy
- _____ 4 BSC 196 Biological Diversity
- _____ 4 BSC 197 Molecular & Cellular Basis of Life

Take 4 (12 credit hours) additional Agriculture electives:

(AGR 252, 253, 254, 255, 256, 257, 260, 262, 352, 353, 355, 356)

Take 3 (9 credit hours) additional electives from the College of Business and/or the Department of Economics:

Agriculture (AGR) Courses:

<https://coursefinder.illinoisstate.edu/directory/agr/>

Directory of all courses:

<https://coursefinder.illinoisstate.edu/directory/>

MAJOR IN AGRICULTURE (B.S.)**Pre-Veterinary Medicine Sequence****General Education (39 credit hours)**

Refer to the General Education section of the Undergraduate Catalog for a complete list of General Education requirements and courses.

Communication and Composition (2 courses required)

- _____ 3 COM 110 Communication as Critical Inquiry
- _____ 3 ENG 101 or ENG 101A10 Composition as Critical Inquiry

Mathematics (1 course required)

Please see major requirements for math options

Natural Science/Natural Science Alternatives (2 courses required)

Students must complete 1 course from 2 different sciences. Please see major requirements for science options.

- _____ 4 BSC 196 Biological Diversity
- _____ 4 CHE 140 General Chemistry I

United States Traditions (1 course required)**Individuals & Civic Life (1 course required)****Fine Arts (1 course/3 credit hours required)*******Humanities (1 course required)*******Language in the Humanities (1 course required)*******Quantitative Reasoning for B.S. or LAN 115 for B.A. (1 course required)**

Exempt for Agriculture majors

Science, Math, & Technology (1 course required)**Social Sciences (1 course required)*******Additional Graduation Requirements**

_____/120 minimum total credit hours

_____/42 minimum senior college hours

AMALI requirement

***certain courses in General Education fulfill the 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
- _____ 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 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/>

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
- _____ 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 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:

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Directory of all courses:

<https://coursefinder.illinoisstate.edu/directory/>

MAJOR IN AGRICULTURE (B.S.)

Agriculture Teacher Education Sequence

General Education (39 credit hours)

Refer to the General Education section of the Undergraduate Catalog for a complete list of General Education requirements and courses.

Communication and Composition (2 courses required)

- _____ 3 COM 110 Communication as Critical Inquiry
- _____ 3 ENG 101 or ENG 101A10 Composition as Critical Inquiry

Mathematics (1 course required)

Natural Science/Natural Science Alternatives (2 courses required)

Students must complete 1 course from 2 different sciences. Please see major requirements for science options.

United States Traditions (1 course required)

Individuals & Civic Life (1 course required)

Fine Arts (1 course/3 credit hours required)***

Humanities (1 course required)***

Language in the Humanities (1 course required)***

Quantitative Reasoning for B.S. or LAN 115 for B.A. (1 course required)

Exempt for Agriculture majors

Science, Math, & Technology (1 course required)

Social Sciences (1 course required)***

- _____ 3 PSY 110 Fundamentals of Psychology

Additional Graduation Requirements

_____/120 minimum total credit hours

_____/42 minimum senior college hours

AMALI requirement

***certain courses in General Education fulfill the 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.

- _____ 4 AGR 157 Soil Science

Major (min. 74 credit hours)

AGR requirements (42 credit hours)

- _____ 3 AGR 109 Introduction to the Agriculture Industry
- _____ 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)
- _____ 3 AGR 170 Introduction to Animal Science
- _____ 2 AGR 173 Working with Domestic Animals (P: AGR 170 or conc. reg.)
- _____ 2 AGR 190 Introduction to Agricultural Education (P: conc. reg. in AGR 191 or 192)
- _____ 1 AGR 191 Introduction to Agricultural Education Teacher Licensure (P: AGR 190 or conc. reg.)
- _____ 3 AGR 205 Microcomputer Applications in Agriculture
- _____ 3 AGR 231 Managing & Teaching in Agricultural & Technology Laboratories (P: AGR 130)
- _____ 3 AGR 295 Summer Internship in Agricultural Education†
- _____ 3 AGR 394 Methods & Procedures in Agricultural Education†
- _____ 2 AGR 395 Professional Seminar in Agricultural Education† (P: STT 399A01 or conc. reg.)

Required courses outside of AGR

Take one of the following courses (BSC 196 preferred):

- _____ 4 BSC 196 Biological Diversity
- _____ 4 BSC 197 Molecular & Cellular Basis of Life

Take one of the following options:

- _____ 4/1 CHE 110/112 Fundamentals of Chemistry & Laboratory
- _____ 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.)

Professional Education requirements (24 credit hours)

- _____ 3 PSY 215 Educational Psychology (P: PSY 110 or 111)
- _____ 2 TCH 212 The Teaching Profession in Secondary Schools (P: 45+ earned hours; 2.5 major & cum. GPA; ENG 101, COM 110)
- _____ 3 TCH 216 Principles & Practices for Teaching & Learning in Secondary Schools (P: TCH 212; 2.5 major & cum. GPA)
- _____ 3 TCH 219 Integrating Multiple Literacies & Technology Across the Secondary Curriculum (P: TCH 212, 216; 2.5 major & cum. GPA)
- _____ 10 STT 399A01 Student Teaching in Agriculture

Take one of the following courses (P: 45+ earned hours):

- _____ 3 EAF 228 Social Foundations
- _____ 3 EAF 231 Introduction to Philosophy of Education
- _____ 3 EAF 235 Historical Foundations

† Admission to Professional Studies required

Agriculture (AGR) Courses:

<https://coursefinder.illinoisstate.edu/directory/agr/>

Directory of all courses:

<https://coursefinder.illinoisstate.edu/directory/>

MAJOR IN AGRICULTURE (B.S.)

AGRICULTURE TEACHER EDUCATION 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

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 902 and P1 902L CHE 110/112 Fundamentals of Chemistry or P1 902L CHE 140 General Chemistry I
- _____ 4 L1 910L BSC 196 Biological Diversity (preferred) or L1 910L 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

- _____ 3 S6 900 PSY 110 Fundamentals of Psychology

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.

- _____ 4 AGR 157 Soil Science

Major (min. 74 credit hours)

AGR requirements (42 credit hours)

- _____ 3 AGR 109 Introduction to the Agriculture Industry
- _____ 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)
- _____ 3 AGR 170 Introduction to Animal Science
- _____ 2 AGR 173 Working with Domestic Animals (P: AGR 170 or conc. reg.)
- _____ 2 AGR 190 Introduction to Agricultural Education (P: conc. reg. in AGR 191 or 192)
- _____ 1 AGR 191 Introduction to Agricultural Education Teacher Licensure (P: AGR 190 or conc. reg.)
- _____ 3 AGR 205 Microcomputer Applications in Agriculture
- _____ 3 AGR 231 Managing & Teaching in Agricultural & Technology Laboratories (P: AGR 130)
- _____ 3 AGR 295 Summer Internship in Agricultural Education†
- _____ 3 AGR 394 Methods & Procedures in Agricultural Education†
- _____ 2 AGR 395 Professional Seminar in Agricultural Education† (P: STT 399A01 or conc. reg.)

Required courses outside of AGR

Take one of the following courses (BSC 196 preferred):

- _____ 4 BSC 196 Biological Diversity
- _____ 4 BSC 197 Molecular & Cellular Basis of Life

Take one of the following options:

- _____ 4/1 CHE 110/112 Fundamentals of Chemistry & Laboratory
- _____ 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.)

Professional Education requirements (24 credit hours)

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- _____ 3 TCH 216 Principles & Practices for Teaching & Learning in Secondary Schools (P: TCH 212; 2.5 major & cum. GPA)
- _____ 3 TCH 219 Integrating Multiple Literacies & Technology Across the Secondary Curriculum (P: TCH 212, 216; 2.5 major & cum. GPA)
- _____ 10 STT 399A01 Student Teaching in Agriculture

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- _____ 3 EAF 228 Social Foundations
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