

Agriculture Transfer Guide McHenry County College

This transfer program for the prospective Agriculture major is recommended by the Illinois Articulation Initiative (IAI) and can be incorporated into MCC's Associate in Arts (A.A.) or Associate in Science (A.S.) degree. It is designed to help students who have decided on an Agriculture major but who are **undecided about a baccalaureate transfer school. If you know where you will transfer, DO NOT use this guide. Instead, use course information specific to the major at that school.** The decision to accept courses is always up to the transfer school, and responsibility for complying with requirements ultimately rests with the student.

Agriculture includes a variety of specialties: Agribusiness, Agricultural Sciences (Animal Sciences, Crop Science, Soil Science and Horticulture), Agricultural Mechanization and Agricultural Education. Not every school offers every specialty.

- The study of agricultural business fields provides opportunities for careers in marketing, business management, farm management, finance, risk management, policy analysis and international trade.
- The study of animal sciences provides opportunities for careers in animal production, animal management and associated industries, and preparation for professional school in veterinary medicine.
- The study of crops and soils provides opportunities for careers in crop production, crop protection, crop agribusiness management and merchandising, soil conservation, ecology and management.
- The study of horticulture provides opportunities for careers in the production of horticultural crops, greenhouse and nursery management, retail floriculture, garden center management and floral design.
- The study of agricultural mechanization provides career opportunities involving the application, service, management and marketing of agricultural engineering technologies.
- The study of agricultural education provides opportunities for teaching in secondary and postsecondary programs in agriculture and/or horticulture, as well as for educational leadership, training, extension and outreach positions.

The following are course suggestions to follow while you are deciding on a specific transfer institution. **(Please remember that all of these courses may not be required at the transfer school you choose.)**

PLEASE SEE AN ADVISOR FOR GUIDANCE IN SELECTING A TRANSFER SCHOOL AND APPROPRIATE COURSEWORK.

IAI General Education Core Curriculum

Communications: 3 courses (9 semester credits)

ENG151 (3 cr.) – Composition I
ENG152 (3 cr.) – Composition II
SPE151 (3 cr.) – Introduction to Speech

Mathematics: 1 or 2 courses (3 to 6 semester credits)

The A.A. degree requires 3 credits and the A.S. degree requires 6 credits.* Select from the following:

MAT175 (5 cr.) – Calculus w/Analytic Geometry I
MAT220 (3 cr.) – Statistics
MAT170 (3 cr.) – Finite Mathematics

(Consult the 4-year schools you are considering, since different schools have different requirements.)

Physical and Life Sciences: 2 courses (8 semester credits)

CHM165 (5 cr.)- General Chemistry I
(PHY280 is recommended for Agricultural Mechanization specialty. CHM165 or PHY280 is recommended for Agribusiness, Agricultural Education, and Horticulture specialties.)
BIO157 (4 cr.) – Fundamentals of Biology

Social and Behavioral Sciences: 3 courses (9 semester credits)

Select 3 more course from IAI Social and Behavioral Sciences* (must be from at least 2 different disciplines)

(Recommended - for Agribusiness specialty, ECO251 & 252; for Agricultural Education specialty, HIS170 or 172 or IAI non-western culture course-ANT151; GEG203, 204; PLT251; for Horticulture, ECO252)

Humanities and Fine Arts: 3 courses (9 semester credits)

Select 1 course from IAI Humanities*.
Select 1 course from IAI Fine Arts*.
Select 1 course from either IAI Humanities or IAI Fine Arts*.

***For complete listings of approved courses, see MCC's catalog or the A.A. and A.S. degree planning sheets.**

See backside of sheet for major course recommendations.

Agriculture Major Courses

The following courses are suggested Agriculture courses for the student who is undecided about the transfer school. Please keep in mind that all of these courses may not substitute for major coursework required at the transfer school. *If coursework is accepted, the transfer school generally requires a grade of "C" or better.*

All agriculture majors need to be computer literate. You must be able to negotiate an operation system such as OS/2, DOS, or Windows; access the Internet; and use word processing, database and spreadsheet software.

Specialty	Recommended Major Courses
Agribusiness	ECO251 (3 cr.) – Microeconomics ECO252 (3 cr.) – Macroeconomics <i>(ECO251 & 252 will satisfy Social & Behavioral Sciences gen.ed. requirements.)</i> Select 1 or 2 courses from the following: ACC151 (3 cr.) - Financial Accounting ACC152 (3 cr.) – Managerial Accounting In consultation with an advisor, select from the following: ANS110 (3 cr.) – Intro. to Animal Science PTS103 (3 cr.) – Intro. to Plant Science HRT105 (3 cr.) – Intro. to Soil Science HRT100 (3 cr.) – Intro. to Horticulture
Animal Sciences	ANS110 (3 cr.) – Intro. to Animal Science CHM166 (5 cr.)- General Chemistry II and/or BIO158 (4 cr.) – Evolution & Biodiversity In consultation with an advisor, select from the following: PTS103 (3 cr.) – Intro to Plant Science HRT105 (3 cr.) – Intro to Soil Science HRT100 (3 cr.) – Intro. to Horticulture
Crop Science and Soil Science	PTS103 (3 cr.) – Intro to Plant Science HRT105 (3 cr.) – Intro to Soil Science CHM166 (5 cr.)- General Chemistry II and/or BIO158 (4 cr.) – Evolution & Biodiversity In consultation with an advisor, select from the following: ANS110 (3 cr.) – Intro. to Animal Science HRT100 (3 cr.) – Intro. to Horticulture
Horticulture	HRT100 (3 cr.) – Intro. to Horticulture CHM166 (5 cr.)- General Chemistry II and/or BIO158 (4 cr.) – Evolution & Biodiversity In consultation with an advisor, select from the following: HRT105 (3 cr.) – Intro to Soil Science PTS103 (3 cr.) – Intro. to Plant Science ANS110 (3 cr.) – Intro. to Animal Science
Agricultural Mechanization	PTS103 (3 cr.) – Intro to Plant Science In consultation with an advisor, select from the following: ANS110 (3 cr.) – Intro. to Animal Science HRT105 (3 cr.) – Intro to Soil Science HRT100 (3 cr.) – Intro. to Horticulture
Agricultural Education	In consultation with an advisor, select from the following: ANS110 (3 cr.) – Intro. to Animal Science PTS103 (3 cr.) – Intro to Plant Science HRT105 (3 cr.) – Intro to Soil Science HRT100 (3 cr.) – Intro. to Horticulture

Don't Forget!

- **Do not take too long to decide on your transfer school. There is no guarantee that all of the courses listed on this guide will be required at your transfer school. Also, there may be other MCC courses that your transfer school will accept.**
- **Foreign language is a graduation requirement at some schools.**
MCC's A.A. degree foreign language requirement: Completion of the same foreign language through the 4th semester college-level class.
- Four-year schools have specific requirements for admission to the major (e.g. minimum grade point average and prerequisite coursework).
- **Completion of the coursework on this guide does not satisfy a degree at MCC.**

The Illinois Articulation Initiative website was used to create this guide. Transfer guides are produced as a service to MCC students. Every effort is made to maintain up-to-date and accurate information; however, this information is subject to change. Students should check with an MCC advisor and with the IAI website (www.itransfer.org) for the most current course recommendations.