

Biology Transfer Guide McHenry County College

This transfer program for the prospective Biological Sciences 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 the 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.

Baccalaureate Biological Science programs are diverse with some emphasizing cell and molecular biology and others emphasizing organismal, ecological, and evolutionary biology. Students should decide the direction or specialization within the Biological Sciences major as early as possible. Four-year schools have specific requirements for admission to the major (e.g., minimum grade point average).

The following are course suggestions to follow while you are deciding on a specific transfer institution. Students are **advised to complete sequence courses at one school before transferring**. Students who complete only one course may have to repeat that course, since material may be arranged differently by another 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)

(At MCC, the A.A. degree requires 3 credits and the A.S. degree requires 6 credits.)*
MAT175 (5 cr.) – Calculus w/Analytic Geometry I

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

CHM165 (5 cr.)- General Chemistry I
BIO157 (4 cr.) – Fundamentals of Biology

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

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

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 sheet.**

Biological Sciences Core and Supporting Courses

The following courses are suggested Biological Science 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 may require a grade of "C" or better.*

Biological Sciences Core Courses

BIO157 (4 cr.) – Fundamentals of Biology
BIO158 (4 cr.) – Evolution & Biodiversity
(*BIO157 or 158 also will satisfy Life Science gen.ed. requirement.*)

Support Science Courses

CHM165 (5 cr.) – General Chemistry I
CHM166 (5 cr.) – General Chemistry II
(*CHM165 also will satisfy Physical Science gen.ed. requirement.*)
CHM265 (5 cr.) – Organic Chemistry I
CHM266 (5 cr.) – Organic Chemistry II

Depending on the student's choice of biology specialization and transfer school, further coursework in biology may be taken at MCC. **It is very important that you consult with an advisor.** Field courses in biology/botany and comparative vertebrate anatomy are biology electives that often transfer in the major. Courses such as microbiology and human anatomy and physiology sometimes will transfer for credit in allied health majors but most often do not transfer as biology major credit.

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 or require.**
- **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.
- To ease credit transfer, students should complete course sequences at the same school.
- **The 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.