

Physics Transfer Guide McHenry County College

This transfer program for the prospective Physics 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 Physics programs are built on an in-depth foundation of sequential coursework in science and math. Four-year schools have specific requirements for admission to the major (e.g., minimum grade point average, prerequisite coursework). It may be difficult to complete an associate's degree without taking more credits than will be accepted in transfer. As a result, students may consider completing all sequential courses and admission prerequisites at MCC and leaving some general education requirements for completion at the transfer school.

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.*)

MAT175 (5 cr.) – Calculus w/Analytic Geometry I
MAT245 (5 cr.) – Calculus with Analytic Geometry II

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

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

CHM165 (5 cr.) – General Chemistry I
Select 1 course from Life Sciences*.

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)

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*.

Physics Core Courses

PHY291 (4 cr.) – Principles of Physics I
PHY292 (4 cr.) – Principles of Physics II

PHY293 (4 cr.) – Principles of Physics III

Supporting Courses

The following courses are suggested Physics courses for the student who is undecided about the transfer school. Credits may or may not substitute for the major coursework required at the transfer school. *If coursework is accepted, the transfer school may require a grade of "C" or better.*

MAT255 (3 cr.) – Calculus with Analytic Geometry III

CHM166 (5 cr.) – General Chemistry II

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.
- 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.
- **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.