



JOLIET JUNIOR COLLEGE
1901

BIOLOGY ADVISING INFORMATION



Biology Majors
Biology Teachers
(Secondary Education)
Pre-Dental
Pre-Medicine
Pre-Veterinarian
Pre-Pharmacy
Pre-Physical Therapy
Pre-Chiropractic
Pre-Physician Assistant



BIOLOGY MAJORS ADVISING INFORMATION

For further information please contact the Joliet Junior College Counseling Dept. or Natural Sciences and PE Dept.
Main Campus (815) 280-2673
Romeoville Campus (815) 280-7754
Natural Sciences/PE Department
(815) 280-2420 or (815) 280-6682

Students are encouraged to make an appointment with an advisor to discuss course sequencing, career options, and transfer opportunities to other institutions. Visit the Transfer Information page at www.jjc.edu/transfer/Pages

To transfer as a junior into a baccalaureate biological science program, students must complete a minimum of 60 semester hours of credits, including all the prerequisite science courses. According to the Illinois Articulation Initiative (IAI), which applies to all Illinois state schools, BIO 151 and Bio 152 will transfer as a full year of majors' biology credits. The IAI states that *"to guarantee credit, students must complete the entire course sequence at the same school before transfer."* Most biology majors' programs require two semesters of physics, four semesters of chemistry and math through Calculus I.

ILLINOIS ARTICULATION INITIATIVE (IAI):

"iTransfer is a portal for transfer assistance in the state of Illinois for students seeking transfer between Illinois higher education institutions." <http://www.itransfer.org>

Select "Student Planning to Transfer" from the iTransfer home page. Select "The Illinois Baccalaureate Majors Recommendations" then select "Biological Sciences". At the bottom of page, select "Biological Sciences IAI Recommendation". Information regarding general education and biology major course selections is provided.

SCHOLARSHIPS:

The Department of Natural Sciences and Physical Education sponsors the Puddicombe Scholarship for Biology Majors, the Menzer Scholarship for students interested in pursuing a career in Environmental Science, and Dr. Michael Lee Endowed Scholarship for students pursuing a career in science teaching.

For more information about these scholarships and awards, contact the Department of Natural Sciences or the Finance and Scholarship Coordinator, Patricia Osborne, at 815-280-2540 or posborne@jjc.edu

NATURAL SCIENCES CLUB:

This club provides opportunities for students to meet other biology students, interact with faculty, and network with biologists in the Chicago area. The club is also involved in field experiences, laboratory tours and leadership training. We encourage all biology students to consider joining.

For further information, contact Professor Eva Murdoch at (815) 280-2589, emurdoch@jjc.edu. Room E1026.

PREREQUISITES:

Biology, Chemistry and Physics classes all have the following English prerequisites.

Require a grade of "C" or better in all developmental reading and writing courses (Eng 021 & 099 or Eng 095 & 096) or placement in English 101.

Biology 151, 152 and Chem 100 have the following math requirement: "C" or better in Math 094, or satisfactory placement test score.

Additional Prerequisites:**Biology 152:**

A grade of "C" or better in Biology 151.

Physics 101:

Math Prerequisite: Math 139 or math placement beyond Math 139.

Physics 102:

A grade of "C" or better in Physics 101.

Chemistry 101:

Math Prerequisite: Satisfactory placement test score of a grade of "C" or better in Math 098 (Intermediate Algebra).

Chem Prerequisite: 1 year of high school Chemistry or "C" or better in Chem 100.

Chemistry 102:

Math Prerequisite: Satisfactory placement test score or a grade of "C" or better in Math 138 (Precalculus I Algebra), and "C" or better in Chem 101.

Chemistry 209:

Chem Prerequisite: A grade of "C" or better in Chem 102.

Chemistry 210:

Chem Prerequisite: A grade of "C" or better in Chem 209.

JJC COURSE	CREDIT HOURS	SEMESTER	CAMPUS
BIO 151 General Biology I	5	All Year	Main Romeoville
BIO 152 General Biology II	5	Fall Spring	Main
CHEM 101 General Chemistry I	5	Fall Spring Summer	Main Romeoville
CHEM 102 General Chemistry II	5	Fall Spring Summer	Main
PHYSICS 101 General Physics I	5	Fall Spring Summer	Main
PHYSICS 102 General Physics II	5	Fall Spring	Main
CHEM 209 Organic Chemistry I	5	Fall	Main
CHEM 210 Organic Chemistry II	5	Spring	Main

See the JJC College Catalog (www.jjc.edu) for other science courses offered by the Natural Sciences/PE Department.

Other Biology Courses:

Biology 240 Microbiology - A grade of "C" or better in Biology 151 or Bio 149.

Biology 250 Human Anatomy and Physiology I – concurrent enrollment in Bio 151 or Bio 149 or a "C" or better in these courses.

Biology 251 Human Anatomy and Physiology II - a grade of "C" or better in Biology 250, and a "C" or better in Bio 151 or Bio 149.

Biology 252 Human Anatomy Cadaver Dissection – a grade of "C" or better in Biology 250 and Bio 251 or instructor's permission.

NSCI 296 Interdisciplinary Undergraduate Research – a grade of "C" or better in Biology 151 and consent of the instructor.

These courses may transfer as elective credits for biology majors, or may be required by some programs, such as Pre-Pharmacy and Pre-Physical Therapy. *It is always important to check with your transfer institution before enrolling in a course.*

Grades: The careers available for biology majors are typically very competitive, so good grades are important.

Load: To get a good grade (A or B) in science classes, you will need to spend a lot of time studying outside of class.

A student can expect to spend 2-3 hours outside of class studying for every hour in class.

Example: BIO 151: 5 credits & 7 contact hours = Total Time of 21-28-hours a week.

CHEM 101: 5 credits & 7 contact hours = Total Time of 21-28 hours a week.

To maintain a competitive grade point average, some students will require more than two (2) years to complete general education requirements and science classes. It is recommended that students do not take more than two science classes per semester and only one during each summer session.