

NJIT

New Jersey Institute of Technology
A Public Research University

The Bachelor of Science in Biology

Apply biological knowledge to
discover solutions for the body,
mind and environment

B*iology emerged as both a scientific and economic force in the latter half of the 20th century. The completion of the Human Genome Project and the growth of the biotechnology industry have made biology the focus of attention in the scientific world.*

Life Sciences Program

Questions & Answers



New Jersey Institute of Technology

WHY STUDY BIOLOGY?

Expertise in the biological sciences is in demand in a growing and changing number of areas such as biotechnology in agriculture and animal science, the environment, medical research and treatment, and neuroscience.

Biologists with expertise in computing also are needed to help solve biological and biomedical problems.

Students are exposed to ongoing research in such diverse and exciting subjects as DNA microarray technology, neuroscience, microbial ecology and robotics.

WHY STUDY BIOLOGY AT NJIT?

New Jersey Institute of Technology (NJIT) is in the forefront of quantitative and computer-based approaches to biology. Students are exposed to ongoing research in such diverse and exciting subjects as DNA microarray technology, neuroscience, microbial ecology and robotics. The degree provides a thorough preparation in the principal areas of biology from the molecular through the ecological level. The curriculum includes physics, calculus, computational mathematics, and modeling.

The B.S. in Biology, which is offered jointly by NJIT and Rutgers University-Newark, can serve as the foundation for graduate or professional education or as a basis for further study in medicine, dentistry, optometry, veterinary medicine, or law. Biology majors can join the NJIT Biological Society, which welcomes new members who are interested in pre-med, research, biology-related field trips, and other aspects of the biological field.

WHAT TYPE OF COURSES CAN I TAKE?

In addition to the biology major courses, elective courses are offered in botany, ecology, evolution, genetics, mathematical biology, neuroscience, and physiology.

WHAT WAYS ARE THERE TO SHAPE MY ACADEMIC PROGRAM?

NJIT offers a variety of ways to help you create an educational program that suits your career goals and interests:

Albert Dorman Honors College

Students who demonstrate superior levels of achievement in high school can continue on a challenging leadership track at NJIT's Albert Dorman

Honors College. One of the nation's leaders in technologically oriented honors education, the honors college offers qualified students a truly unique academic experience.

honors.njit.edu

Accelerated 7-Year B.S. in Biology/M.D.

Students who are accepted into the Albert Dorman Honors College are eligible to apply for this accelerated degree option. Students finish three years of the biology degree at NJIT and upon completing successfully the first year at the medical school, will be awarded a B.S. from NJIT. At the conclusion of all medical degree work, the student is awarded an M.D. from the medical school.

Applicants must be interviewed and accepted by both the Albert Dorman Honors College and the medical school. The medical school makes final admission decisions. These programs are highly competitive. Students who are admitted to the honors college are not necessarily admitted to the accelerated program.

honors.njit.edu/md.html

Cooperative Education

Many students elect one or more semesters of cooperative education, earning academic credits and salary while gaining, real-world experience at area businesses.

www.njit.edu/CDS/StudentServices/Coop.htm

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Academic Minors

Students can tailor their course of study with one of NJIT's 25 academic minors that broaden their exposure and increase competence in an additional subject area.

www.njit.edu/catalog/undergraduate/00Fall/28.html

Other Accelerated Programs and Degree Options

Students may opt for double majors (majors in two areas of study); dual bachelor's degrees (earn two bachelor's degrees simultaneously); a dual major with Rutgers-Newark (complete one major at NJIT and one major at Rutgers-Newark); or accelerated bachelor's/master's programs (earn credits that count toward both the bachelor's and the master's degree).

www.njit.edu/catalog/undergraduate/00Fall/105.html

Academic Enrichment and Support Programs

The Educational Opportunity Program, Career Advancement Plan, Community and Public Service, University Research Experience, Ronald E. McNair Postbaccalaureate Achievement Program, and Student Exchange/Study Abroad Program are other avenues available to students who wish to enhance their academic lives and careers while at NJIT.

www.njit.edu/catalog/undergraduate/00Fall/105.html

IS THERE FINANCIAL AID AVAILABLE?

The Office of Student Financial Aid Services is committed to providing students attending NJIT with every opportunity to obtain funding to support their educational costs. The university encourages all students to apply for financial aid.

www.njit.edu/Directory/Admin/Admissions/finaid.html/



FOR FURTHER INFORMATION

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NJIT does not discriminate on the basis of sex, sexual orientation, race, age, religion, national or ethnic origin, veteran's status or handicap in its educational programs, activities or employment policies. Campus facilities are accessible to the disabled.