

# NJIT

New Jersey's Science &  
Technology University

*THE EDGE IN KNOWLEDGE*

## Teacher Certification Options



**New Jersey Institute of Technology**

In cooperation with

**Rutgers University – Newark**

## WHY STUDY FOR TEACHER CERTIFICATION AT A TECHNOLOGICAL UNIVERSITY?

The greatest current need of the U.S. education is for highly qualified teachers of mathematics and science – especially chemistry, physics and biology – at both the elementary and at the secondary school level, particularly in high needs school districts in urban areas. According to the U.S. Bureau of Labor Statistics, the shortage will intensify over the next decade as teachers of the “baby boom” generation retire. Technology-savvy teachers who are able to incorporate newly-developing educational methodologies and technologies into the curriculum are also in high demand.

## WHY PREPARE TO BECOME A TEACHER AT NJIT?

The answer is simple: our strong academic and research programs plus our technological focus. Many NJIT alumni have entered the teaching profession and found it to be an exceptionally rewarding career. There is a strong demand for math and science teachers at all levels. This innovative opportunity allows students interested in earning a degree at NJIT who wish to pursue a teaching career to take the courses required to apply for teacher certification in New Jersey while they are pursuing their chosen undergraduate majors.

### HOW THE PROGRAM WORKS

- NJIT students can earn their teaching certification to teach in primary and secondary schools.
- Thirty credits are required to complete the program.
- A varying number of courses can be used to fulfill degree electives, depending on the student’s major.

As part of the Teacher Certification Program at NJIT, students complete the requirements for New Jersey teaching certification while earning their undergraduate degree at NJIT. This new option is offered in cooperation with the Urban Education department at Rutgers University-Newark. Students take content-area courses relating to their degree at NJIT and education related courses at Rutgers Newark.

### WHAT MAJORS QUALIFY FOR THE PROGRAM?

- Biology
- Chemistry
- Communication
- Environmental Science
- History
- Mathematics
- Physics
- Science, Technology and Society

### WHAT WILL I STUDY?

NJIT students have many opportunities to explore the role of scientific knowledge, discovery, method, and argument in courses satisfying both their general education requirements and majors. Students receive first-hand experience working in teams to develop effective approaches to complex problems in mathematics, science and engineering. They are also enveloped in an environment of advanced technology and are able and willing to incorporate newly-developing educational methodologies and technologies into the curriculum.

### IS FINANCIAL AID AVAILABLE?

NJIT recently received funding in the Robert Noyce Scholarship Program sponsored by the National Science Foundation. Designed to train and place more effective science and math teachers in urban high schools in high needs districts such as Newark, the program provides scholarship support to NJIT students majoring in math or science with the teacher certification option if these students are willing to serve for two years in a high-needs school district. Successful students will be guaranteed jobs in the Newark Public Schools. For further information, contact Dr. Bruce Bukiet, [bukiet@njit.edu](mailto:bukiet@njit.edu).

The Office of Student Financial Aid Services helps to provide NJIT students with every opportunity to obtain funding to support their educational costs. The university encourages all students to apply for financial aid.  
[www.njit.edu/admissions/financialaid/index.php](http://www.njit.edu/admissions/financialaid/index.php)

### NJIT AT A GLANCE

- New Jersey’s Science and Technology University, founded in 1881.
- Enrollment of just over 8,000 undergraduate and graduate students in six schools small-college intimacy with big university resources.
- 45-acre campus with a recently-completed \$83-million construction program featuring a new Campus Center.
- A *U.S. News and World Report* “Top National University.”
- A *Princeton Review* “Best Value College” and “Top 25 Most Connected College.”
- Ranks 10th in the nation in diversity with students from more than 100 countries
- 13:1 faculty-student ratio.

### FOR MORE INFORMATION, CONTACT:

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### TO FIND OUT MORE ABOUT NJIT, CONTACT

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