What will your curriculum look like?
Students have the option of completing a major or a minor in mathematics.

The major leads to a Bachelor of Arts in mathematics and requires courses in four core areas of mathematics:
- Linear algebra
- Multivariable calculus
- Analysis
- Abstract algebra

Additionally, four upper-level elective courses are required, and each major must take a course in the art of writing mathematical proofs.

Students majoring in mathematics may graduate with honors if they take six upper-level elective courses instead of four. We offer honors versions of several core courses. Graduate courses are also available for advanced students.

A teacher preparation track is offered for majors who wish to become licensed to teach secondary school. Majors in this track must complete the following:
- Four core courses and two upper-level electives
- A course in the art of writing mathematical proofs
- Introduction to Probability and Statistics (MATH 8a)
- One computer science course
- High School Teacher Licensure Program

Students may complete a minor in mathematics by taking a course in linear algebra, a course in multivariable calculus, and three additional upper-level courses.

Electives for the mathematics program cover the main areas of the field:
- Topology
- Differential geometry
- Number theory
- Combinatorics
- Differential equations
- Probability and statistics

What else does the mathematics major offer?
Undergraduate Research Experience
Students may carry out original research projects either by taking the undergraduate research course, or through individual work with a faculty member.

Putnam Exam
We offer problem sessions to help students prepare for the William Lowell Putnam Competition, a national undergraduate mathematics competition. In 2004, the Brandeis Putnam team placed 21st in the country.

Interdisciplinary Lecture Series
This cross-discipline lecture series explores the relationship between mathematics and art, music, the sciences, and the social sciences. Faculty from other departments, including economics, music, biology, anthropology, and English have given talks in our series. Topics have included Poetry and Arithmetic; Number and Proportion in the Design of Arithmetic; Building Artificial Financial Markets; and Calendars and Decipherment in Ancient Mesoamerica.

What kind of career and education options will you have?
The study of mathematics can lead not only to a career in mathematics, computers, actuarial science, or other sciences, but is also an excellent background for law, business, economics, finance, and medicine.

How can you learn more?
Visit the department website at www.math.brandeis.edu or contact the department chair, Professor Kiyoshi Igusa, at igusa@brandeis.edu.