

Find the inverse of each function. Graph the function and its inverse.

9. $y = \frac{1}{2}x - 5$

10. $y = (x-1)^2 + 2$

Find the equation of least degree with each of the following roots.

11. 3, 5, 2

4i, -4i, 2

Graph each of the following equations or inequalities

13. $f(x) = \begin{cases} x-2 & x \leq -1 \\ 2x & -1 < x < 1 \\ -x & x \geq 2 \end{cases}$

14. $f(x) = -x^2 + 6$

Identify the domain.

17. $f(x) = \frac{1}{x^2}$



Small class sizes ensure that you'll receive personal attention from faculty.



Gain analytical skills with real-world applications.

99%

of UB students received financial aid.

(Fall 2022)

Bachelor of Arts or Bachelor of Science in Mathematics

Earn a mathematics degree that's focused on your future.

At UB, you'll gain an in-depth understanding of the fundamental concepts of mathematics and their applications in the real world. With a bachelor's degree in Mathematics, you'll be prepared to enter the workforce in any number of practical fields, including industry, technology, and more! UB will set you up to become a leader in these rapidly advancing and growing fields and prepare you to continue your education after graduation.

Earn your degree in one of two ways

While our Bachelor of Arts and Bachelor of Science in Mathematics programs are similar, they are designed to prepare you for slightly different career paths.

If you choose to obtain a Bachelor of Arts in Mathematics, you will focus on a broad spectrum of mathematical concepts. This degree program is ideal for those wishing to become professional mathematicians or pursue graduate studies after graduation.

The Bachelor of Science in Mathematics curriculum is geared towards mathematics and its relationship to science and the modern world. This program is also suitable for those wishing to pursue higher education, but it will set you on a more specific career path.

Prepare for a practical career

Mathematics has fundamental uses in many areas of work, and University of Bridgeport aims to expose you to the infinite ways you can apply what you've learned to your career. You'll develop the analytical and quantitative skills that drive critical thinking and innovation in the workforce and gain a better understanding of the properties at work in nature, science, and the modern world.



Bachelors of Arts or Bachelors of Science in Mathematics

Get the support you need.

At UB, our faculty are experts in the field of mathematics, meaning you'll learn alongside the best minds in the business. You'll have access to their wealth of knowledge, as well as academic resources on campus, including the Tutoring and Learning Center and Academic Advising Center. We understand that you'll be learning complex, theoretical material, and our faculty is here to help you however they can!

Possible careers

Graduates with a bachelor's degree in Mathematics often pursue careers in the following fields:

- Actuary science
- Education
- Finance
- Industry
- Technology
- And more!

Admission requirements

- Complete the application for enrollment at bridgeport.edu/apply.
- Submit transcripts.
 - Submit proof of high school completion or its equivalent.
 - Submit transcripts from all colleges/universities attended (*transfer applicants*).
- Students must have a minimum cumulative GPA of 2.5.
- First-year students must submit a personal essay (optional if you choose to submit SAT/ACT scores).



Scan the QR code for additional information on our Mathematics degrees.

The University of Bridgeport is accredited by the New England Commission of Higher Education
The University also is accredited by the Connecticut Office of Higher Education.



We are invested in your success

While you're earning your degree, you can take advantage of:

- 80+ career-focused academic programs
- An 11:1 student-to-faculty ratio
- Expert faculty with decades of experience in their fields
- Academic Advising
- Center for Career Development
- Tutoring

Make the most of your college experience

When you live at UB, you'll have a chance to explore:

- Beautiful residence halls located right on Long Island Sound
- Over 50 clubs and organizations, including Greek life to help you get involved on campus
- 14 NCAA DII varsity teams
- A diverse student body from over 25 countries
- Convenient location — 2 hours from Boston and 1.5 hours from New York City
- The #1 safest college campus in Connecticut¹

¹ADT, 2021