

MATHEMATICS EDUCATION

Bachelor of Arts



Introduction to the Major

Mathematics has long been vital to understanding how our world works. As a mathematics education major at Clark, you'll have the opportunity to shape the next generation of learners.

By pursuing a bachelor of arts degree in mathematics education, you'll develop your logical, computational, and quantitative skills and pursue a capstone project that includes work at a middle or high school. The program offers early guidance on a Master of Arts in Teaching (MAT) through Clark's Education Department. You'll be well prepared to build a solid foundation for your students — and more importantly, to ignite their passion and curiosity.

Highlights

By studying education through a social justice lens — an integral part of the curriculum in Clark's teacher education program — you'll learn how to make a difference in the lives of students. Through teaching, you can combine your problem-solving skills with learning how to work with people, manage classrooms, become a facilitator, and find creative ways to impart knowledge.



"Math is like an art to me. Seeing formulas, theorems, equations, and proofs, and learning how they can be used practically fascinates me. A lot of professors at Clark share that sentiment."

- Michael Gaiewski '18



What can I do with my major?

JOBS & EMPLOYERS

Nearly 50% of recent graduates have gone on to secure jobs in Worcester Public Schools, underscoring the strength of our longstanding partnership with our local community.

GRADUATE PROGRAMS

The Mathematics Education major prepares students for a Master of Arts in Teaching (MAT), which qualifies students for teacher licensure in Massachusetts. Alumni have also gone on to graduate programs at other top schools like Brown, Cornell, NYU, and Harvard Graduate School of Education.

Foundational Courses

The major is designed to build content knowledge in mathematics as well as introduce students to current topics in teacher education. Major requirements include:

- Six mathematics courses
- Two education courses
- Six electives, with three courses in Education and three courses in Mathematics
- A capstone credit through an education internship

Find out more at clarku.edu/programs/major/mathematics-education-ba/

YOUR CLARK EXPERIENCE



Discover and Demonstrate your Purpose



Cultivate Your Communities



Engage Locally & Globally



Develop your Professional Identity

Year 1



Explore the Mathematics Education major

Learn about major requirements by talking with department faculty and staff. Explore how mathematics can be applied to nearly every aspect of modern life and how to identify and act upon the barriers and issues facing urban education.



Get connected

Attend campus talks and events, including those hosted by the Clark Center for Technology, Innovation, and Entrepreneurship (TIE). Log into Handshake to find career exploration events. Consider joining the DAIM (Diversity and Inclusion in Mathematics) Club.



Explore off campus

Check out activities and opportunities in the community beyond Clark through the community engagement fairs.

Year 2



Dig in and define your interests

Identify faculty members who share your interests and ask one to become your adviser. Talk with faculty and advisers about whether a second major or a complementary minor would align with your interests and goals.



Start networking

Create a LinkedIn profile and connect with alumni in fields of interest. Log in to Handshake to find an internship, job, or research opportunity. Consider joining the Alumni Job Shadow Program to test-drive different career options.



Look ahead

Attend a career fair during fall or spring to discover new organizations and opportunities. Reach out to the Career Connections Center (CCC) to learn about the resources available to you.

Year 3



Identify your capstone experience

A mathematics education major may complete their capstone through an education internship approved by their advisor as early as the summer before their senior year. Talk to your adviser and faculty to start exploring opportunities!



Utilize your resources

Make use of ClarkTechApply, a web application founded by a Clark alum, to explore internship opportunities that align with your interests and goals. Join the CCC Alumni Job Shadow Program to learn about a day on the job.



Plan for senior year and beyond

Look into a Master of Arts in Teaching (MAT) through the Clark's 4+1 Accelerated Master's Degree that provides a pathway to licensure.

Year 4



Stay on track

Make sure you are on track to complete all major requirements. Complete all prerequisites if you are interested in the MAT.



Prepare to launch

Update your professional documents and LinkedIn profile. Identify faculty who know you well and will serve as references or will write letters of recommendation. Schedule a mock interview through the Career Connections Center for feedback.



Go beyond Clark's classroom

Consider interning with Worcester Public Schools. Take on a leadership role with a community organization to build important skills. Take summer courses if you are accepted to a MAT program.