A MESSAGE TO OUR PROSPECTIVE STUDENTS...

We are glad that you are interested in mathematics. Let us tell you what we think is special about studying math at East Bay:

Our Faculty:

- create a welcoming environment and provide opportunities for all students to explore mathematics within and beyond the classroom.
- implement teaching methods that encourage problem-solving and critical thinking.
- support a learning atmosphere where students can exchange ideas and solutions with peers and instructors.

Our department community:

- fosters a supportive environment where members care about each other, mathematics, education, and societal impact.
- cultivates a sense of belonging where all members are valued and respected.
- shares a collective enthusiasm for advancing mathematical knowledge and innovative teaching methods.

WHY US?

Career Opportunities:

- NASA Research Center
- Investment/Budget analysis
- Data analysis
- Energy Industry
- Sports Analytics
- Cryptography
- Healthcare
- K-12/Higher Education

Research Opportunities:

- Mathematical Modeling
- Data Analysis
- Math Education
- Fractal Geometry
- Combinatorial Number Theory
- Mathematical Physics
- Discrete Mathematics

CONTACT

CAL STATE EAST BAY

DEPARTMENT OF MATHEMATICS

The Department of Mathematics is striving to operationalize our commitment to Access, Equity, Flexibility and Community. We are dedicated to creating equitable, inclusive, anti-racist spaces for students to grow, learn, and flourish as mathematical thinkers. We encourage all members of our community to engage in this ongoing work.

Mathematics is an intriguing, interesting and beautiful subject. It is also challenging and rigorous.

Our program allows flexibility in breadth and depth where students can choose among courses with applied and pure emphases.

FACULTY SPOTLIGHTS

Andrea Arauza Rivera (she/her)
Dr. Andrea Arauza Rivera is a Chicana mathematician. Her mathematical work includes all things fractal geometry and data science!

Ryan Moruzzi, Jr (he/ him)
Dr. Ryan Moruzzi Jr is a sports fan that enjoys hanging with his family, being outside, and thinking about mathematics. His work includes discrete mathematics, focusing on graph parameters and graph exploration.

Mikahl Banwarth-Kuhn (she/her)
Dr. Banwarth-Kuhn is a mathematical biologist born and raised in Albuquerque, NM. She loves cats, cooking, and eating. Her mathematical work includes modeling and data science.

Jesús Oliver (he/him)
Dr. Oliver, from Venezuela and México D.F., enjoys spending time with his son and family. His research focuses on wave equations in general relativity and using data to address opportunity gaps for BIPOC college math students.

Julia Olkin (she/her)
Dr. Olkin, a native Californian, worked for 10 years as a Research Mathematician at SRI before joining CSUEB. Her professional interests include leading workshops for K-16 teachers, and computational mathematics including numerical analysis, numerical linear algebra, and optimization.

Simone Sisneros-Thiry (she/her)
Dr. Sisneros-Thiry is a mathematician and educator born and raised in the East Bay. She loves cooking, hiking with her dog, and learning mathematics collaboratively. Her professional interests include number theory problems that involve drawing pictures/ counting and mathematics education and professional development for college instructors and future teachers.

Matea Santiago (she/her)
Dr. Matea Santiago is an applied mathematician from Northern California. She is passionate about mentoring undergraduate research. Her research includes studying how an organism's shape and behavior impacts fluid flow. Her current projects include jellyfish swimming and soft coral feeding.