

# MATHEMATICS

*“The ability to do (even abstract) mathematics and the analytical thinking that it requires trains the mind to think clearly about complex problems in the real world. This skill is of great value in the job market.”*

**- John Ramsay**



## ABOUT THE DEPARTMENT

Graduates receive a Bachelor of Arts in Mathematics. A minor in Mathematics is also available. While the major is rigorous enough to stand alone, the requirements are flexible enough to allow a double major in a variety of disciplines, including Education Studies with a focus in Teaching Curriculum for a Mathematics (8-12) teaching certification.

## OPPORTUNITIES & INTERNSHIPS

- The Pi-Mu-Epsilon Honor Society and Math Club seek to promote mathematics on campus through fun and engaging activities.
- On-and off-campus summer research opportunities are available through Berea’s URCP and NSF REU programs.
- Through the College’s work program, prospective mathematics teachers are provided opportunities to develop skills in working one-on-one with students in the Developmental Mathematics classroom setting. The Department also regularly invites outside speakers and arranges for students to visit mathematical conferences and sites.
- Working for the Mathematics Department as a Teaching Assistant provides valuable teaching experience and strengthens one’s own understanding while helping others.

- The Pugsley Freshman and Spangler Senior Mathematics awards recognize outstanding scholastic achievement in Mathematics.
- The Ballard-McConnell-Willis Mathematics Scholarship is awarded to one senior, one junior, and one sophomore per year and provides financial support to enrich the educational experience, including study abroad and other cultural educational experiences.

## CAREERS & OUTCOMES

Berea Mathematics graduates, distinguished by their experience in the work program and unique research opportunities, find employment in a wide variety of occupations and career fields, including:

- Actuarial Analyst
- Biostatistician
- College Professor
- Primary and Secondary Math Teacher
- Engineer
- Economist/Financial Consultant



## WHY IS A LIBERAL ARTS EDUCATION VALUABLE?

A liberal arts education at Berea College, combined with our work study program, equips students with highly employable skills like communication, problem-solving, and teamwork. Beyond offering a degree program, we help our students develop social responsibility and prepare them to successfully navigate diversity, change, and the complex demands of a modern work place.



80

percentage of employers who want colleges to emphasize critical thinking, analytic reasoning, and oral and written communication.

#1

Berea College's ranking as "Best Liberal Arts College" by Washington Monthly Magazine, 2018.

75

percentage of employers who believe successful college graduates should have both liberal arts training and experience in the field.

90

percentage of Berea students who credit liberal arts and work study for developing their communication, critical thinking, & problem-solving skills.



*"People with a liberal arts education are able to think and view the world from several different perspectives . . . This ability to understand and adapt is very valuable in today's workplace."*

**Edward B. Rust Jr.**  
**Chairman and CEO, State Farm Insurance Companies**