

# Mathematical Sciences

"My professors showed me what excitement and energy can be poured into mathematics. I strive to make my enthusiasm as evident to my students as they did for me."

—Amy Kaufman '03,  
mathematics teacher



## Question

How will I know if this is the right major for me?

## Answer

From the start, your faculty advisor will work with you to set up a course schedule and to explore the options in mathematical sciences. If you want to apply an interest in math, and if you enjoy details and problem-solving, then mathematical sciences may be well-suited to you as a major or minor.

Math classes are also an integral part of the pre-engineering program. Mathematical sciences courses teach good mental disciplines for other areas of work and study. Students who major in mathematical sciences at Bethel often pursue a second major, such as chemistry, or music.

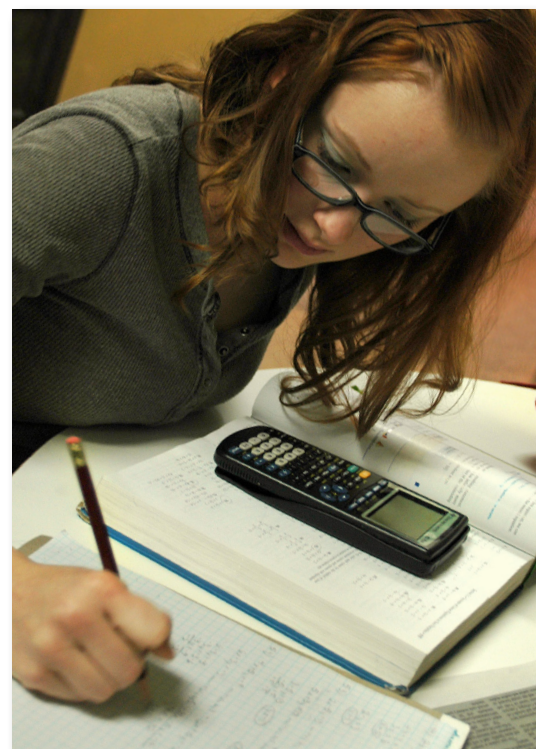
## Question

What core courses are required for a degree in mathematical sciences from Bethel College?

## Answer

Among the courses required are:

- Calculus I & II
- Discrete Mathematics
- Multivariable Mathematics
- Mathematical Sciences Seminar
- Computer Programming I



*Bethel*



Seek.  
Serve.  
Grow.

## Question

What kind of practical experience will I get?

## Answer

You will have many opportunities to apply what you learn in mathematical sciences, ranging from on-campus research projects and assistantships to studies overseas. Recent internships have included actuarial work and software development. Bethel also emphasizes undergraduate research. One recent project by a Bethel math major won first place at the Kansas meeting of the Mathematical Association of America. Other research takes place off-campus—one student spent a summer working in engineering at the University of Illinois, while another studied mathematics in Budapest, Hungary, for a semester. And finally, Bethel students consistently perform well in state, regional and even national computer programming and mathematics competitions.



“My time at Bethel helped create a foundation for my years beyond college. My professors in the math department not only instilled in me core math principles—they also taught me that using the knowledge in a positive way is a great value.”

—Kevin Penner '89, computer programmer, Everence, Goshen, Ind.

## Question

What can I expect after graduation?

## Answer

Recent Bethel graduates in mathematical sciences have held a variety of positions, such as:

- mathematics professors at the University of California-Santa Barbara and Williams College, Williamstown, Mass.
- political science professor at the University of Georgia
- high school and middle school mathematics teachers in Kansas, Oklahoma, Georgia and South Dakota
- actuaries with Cygna Insurance and Tillinghast-Towers Perrin
- engineers with Sikorsky helicopters and Grasshopper mowers
- medical doctor in Maryland
- neuroscience researcher at the Salk Institute, La Jolla, Calif.



*Bethel  
College*

300 East 27th Street  
North Newton, Kansas  
67117-1716

316/283-2500

[www.bethelks.edu](http://www.bethelks.edu)