Mathematics is open ended, creative, and social.

## Aims

- Help students make the transition from casual mathematics' student to beginning Ph.D. student in the mathematical sciences.

- Provide an opportunity for students who have decided to seriously pursue a doctorate in mathematics but lack the necessary coursework

- Create an environment that encourages women and gender minorities to continue in the mathematical sciences.

## What we provide

- Core mathematics courses
- Research experience
- Community of support
- Perspective on being a mathematician



## Our students were previously

- High School/Middle School Mathematics Teachers
- Medical School Students
- Information Technology Specialist
- Lawyers
- Architects
- Biology Majors, Theater Majors, French Majors, Economy Majors, Women Studies Majors, Underprepared Mathematics Majors

- Hear lots of mathematics from many mathematicians.
- Meet lots of mathematicians at many stages.
- Hear their stories.

# The Post-Baccalaureate Program

## Smith College Center for Women in Mathematics



# Are you considering graduate school in the mathematical sciences, but feel you're not quite ready?

- Spend a semester or year at Smith College.
- Take advanced mathematics courses.
- Hear lectures every week from visiting mathematicians.
- Join a research team, work on a project with a Smith faculty member, and present your results at a national meeting.
- Join a community of students interested in math just like you. Get to know women at various points in their mathematics careers.
- Be mentored. Get advice about grad school, and about careers in mathematics.

The Postbaccalaureate Program is designed for women and gender minorities with bachelor's degrees who hope to pursue a higher degree in the mathematical sciences but who are not sufficiently pre-pared. While many postbacs majored in mathematics, others did not. Successful applicants will have completed at least Linear Algebra and Vector Calculus before enrolling in our program. The program is designed to make you "graduate school ready" in one year.



Full tuition and a living stipend are available to U.S. citizens and permanent residents admitted to the program. This generous financial aid package is made possible by the sup-port of the National Science Foundation DMS 2054513, 2137739, 2145384 and Smith College.

For best consideration, applications for September entrance should be completed by March 15, but late applications will be considered, if space is available. For January entrance, applications should be completed by October 15; late applications will be considered until December 15. Students applying for financial aid are encouraged to apply by the preferred deadlines.

Applications to the Post-Baccalaureate Program are handled by the Office of Graduate and Special Programs.

Experience open ended research through creativity, set backs, conjectures, and results. Work as a team.



- Build a community.
- Do hard math together.
- Have fun together.



A program tailored to each student.

Courses available include:

- Real Analysis
- Algebra
- Topology
- Differential Equations
- Dialogues in Math/Research Course
- Others: Combinatorics, Graph Theory, Number Theory, Math Modeling, Probability, Statistics
- Graduate Courses at University of Massachusetts

## Results

- In the past 8 years, approximately 80 students completed the program.

- 70 of these went to graduate programs in the mathematical sciences, mostly Ph.D. programs.

- Some schools post-baccalaureate students moved to after Smith: Minnesota, U. Illinios, U. Illinois Chicago, UC Davis, UMass, NC State, Wesleyan, Georgia, Brown, Santa Cruz, Columbia, Utah, Duke, Oregon, Cornell, N. Texas, Vermont, Georgetown, Nebraska, U. Iowa, Iowa State, U. Conn., Tufts, Univ. of Maryland, Columbia, Harvard, UNC, Indiana.