

8/1/2025

**AMY N. MYERS**

Department of Mathematics  
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**EDUCATION**

- 1994 - 1999 **Dartmouth College** Hanover, NH  
Ph.D. in Mathematics, June 1999  
Major Area: Combinatorics  
Thesis Advisor: Kenneth P. Bogart  
  
M.A. in Mathematics, June 1996
- 1990 - 1994 **St. Olaf College** Northfield, MN  
B.A. in Mathematics, June 1994  
Awarded Phi Beta Kappa, Magna Cum Laude, and  
Department of Mathematics Honors

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**TEACHING EXPERIENCE**

- 2015 - 2025 **Senior Lecturer in Mathematics** Bryn Mawr College  
Developed a bridge course to prepare math students  
for upper-level coursework, and led a senior capstone  
experience for math majors (in addition to continuing  
to teach the courses listed below).
- 2007 - 2015 **Lecturer in Mathematics** Bryn Mawr College  
Taught single-variable calculus, multivariable calculus,  
linear algebra, statistics, probability, combinatorics, graph  
theory, and the history of mathematics. Led a seminar  
focused on writing and critical thinking for first-year  
students. Supervised independent studies on probability  
and the history of mathematics.
- 2002 - 2007 **Assistant Professor of Mathematics** St. Joseph's University  
Taught undergraduate courses in calculus, statistics,  
contemporary mathematics, complex analysis, and  
combinatorics. Taught graduate courses in mathematics  
education, discrete structures, and the history of  
mathematics.

1999 - 2002	<b>Lecturer in Mathematics</b> Taught contemporary mathematics, linear algebra, graph theory, abstract algebra, differential equations, and vector calculus to undergraduate students. Taught combinatorics to graduate students.	University of Pennsylvania
1997 - 1999	<b>Lecturer in Mathematics</b> Taught one finite mathematics and two statistics courses.	Dartmouth College
1996	<b>Teaching Seminar</b> Explored the various ways students learn mathematics, and experimented with teaching techniques designed to address different learning styles. Guest taught Dartmouth undergraduate classes, ran a course in complex analysis for graduate students, and led a week-long program in mathematics for high school women.	Dartmouth College
1994 - 1996	<b>Teaching Assistant</b> Facilitated tutorial sessions and graded exams for two first-semester calculus courses, one multivariable calculus course, and one statistics course. Met with first-semester calculus students to monitor progress on group projects exploring the applications of calculus.	Dartmouth College
1994	<b>Computer Lab Monitor</b> Assisted junior-high and high-school students with computer programming projects as part of the Pre-Freshmen Engineering Program.	University of Texas
1993 - 1994	<b>Computer Lab Monitor</b> Assisted college students with Scheme and C++ programming assignments.	St. Olaf College

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## PROFESSIONAL DEVELOPMENT

2025	<b>OPEN Math Who's Afraid of Generative AI?</b> Participated in a four-day workshop designed to equip math faculty with critical, hands-on understanding of AI tools, while balancing their potential and challenges.	Virtual
2025	<b>Social Justice Institute</b> Attended a workshop focused on the continuum of work towards social justice as understood through the Four Pathways of Social Justice framework.	Virtual
2024	<b>Tech for Good</b> Participated in a workshop introducing generative AI as a thought partner in getting work done.	Virtual

2024	<b>MAA Multivariable Calculus with CalcPlot3D</b> Learned how to use CalcPlot3D software and 3D-printed models to develop learning activities.	San Francisco, CA
2023	<b>The Grading Conference</b> Learned about alternatives to traditional grading, exchanged ideas with others, and began planning alternatively-graded courses.	Virtual
2022	<b>LACRELA Racial Equity Problems in STEM</b> Learned strategies for dismantling persistent racial equity challenges in science, technology, engineering, and math.	Virtual
2022	<b>MAA Inclusive Active Learning</b> Learned about implementing equitable and inclusive teaching practices in introductory math courses.	Virtual
2022	<b>Successful STEM Mentoring Initiatives</b> Attended a workshop facilitated by a national leader in the study of mentoring, persistence, and inclusion, with a focus on STEM fields.	Virtual
2021	<b>CoMinDS Graduate Student Teaching</b> Attended a four-day program that provided instructional experiences and materials to faculty intending to establish or revise graduate student professional development programs.	Virtual
2021	<b>Harvard edX Data Science Professional Certificate</b> Completed the following online courses: R Basics, Visualization, Probability, Inference and Modeling, and Linear Regression.	Virtual
2021	<b>AALAC Data Science in the Liberal Arts</b> Attended a multi-day workshop with faculty from several different colleges to examine, explore, and shape a vision for the education and scholarship of Data Science at liberal arts institutions.	Virtual
2021	<b>LACOL Toward Equity in Assessment</b> Participated in a cross-constituency dialogue.	Virtual
2021	<b>MAA Beyond Traditional Grading Schemes</b> Participated in a minicourse about mastery-based grading.	Virtual
2021	<b>CORA Racial Microaggressions</b> Completed a four-part course designed to provide educators with an introduction to racial microaggressions and their various appearances in educational settings.	Virtual

2020	<b>Advocating for Students of Color</b> Attended a four-part webinar series for higher education faculty and administrators who are actively engaged in promoting equity, diversity, and inclusion within the mathematical sciences.	Virtual
2020	<b>Bryn Mawr Online Teaching Institute</b> Learned about planning for, successfully delivering, and creating community in online courses. Read chapters and articles offline, and watched technology demonstrations online.	Virtual
2020	<b>LACOL 2020 Virtual Workshops</b> Attended webinars designed to introduce faculty to ways of envisioning and implementing online courses.	Virtual
2020	<b>MAA Statistics for Data Science Workshop</b> Attended a four-hour workshop on teaching introductory statistics for data science.	Denver, CO
2018 - 2020	<b>DEI Conversations</b> Participated in campus book clubs and discussion groups dedicated to understanding and acting to promote diversity, equity, and inclusion. Groups include Showing Up White, the Coalition for Anti-Racist Literacy at Bryn Mawr, Moving Forward Together, and a math department reading group.	Bryn Mawr, PA
2015 - 2020	<b>DEI Events</b> Participated in Community Days of Learning, the Posse Plus Retreat, and workshops for faculty to engage with issues concerning diversity, equity, and inclusion.	Bryn Mawr, PA
2019	<b>Permutation Patterns</b> Attended a three-day pre-conference workshop with the goal of learning background material relevant to recent advances in the field.	Zürich, Switzerland
2017	<b>MAA Computer Graphics</b> Attended a four-hour workshop on the mathematics of computer graphics.	Atlanta, GA
2016	<b>MAA Active Learning Strategies</b> Attended a four-hour workshop on increasing student engagement by means of active learning strategies.	Seattle, WA
2015	<b>Access to Learning</b> Attended a half-day workshop on Universal Design for Learning.	Haverford, PA

2015	<b>MAA Health Care Applications</b> Attended a four-hour workshop on mathematical applications to health care that are appropriate for introductory courses.	San Antonio, TX
2014	<b>Technology Workshop</b> Attended a short workshop on writing on screen and creating quizzes in <i>Moodle</i> .	Bryn Mawr, PA
2013	<b>Social Explorer Pro</b> Attended a short workshop on using software to explore census and demographic data.	Bryn Mawr, PA
2012	<b>MAA Math and Dance</b> Attended a four-hour workshop exploring the connections between mathematics and dance.	Boston, MA
2011	<b>Technology Workshop</b> Attended a one-day workshop on blended learning and teaching with technology.	Bryn Mawr, PA
2011	<b>MAA Linear Optimization</b> Attended a four-hour workshop on linear optimization and its place in the undergraduate curriculum.	New Orleans, LA
2009	<b>Teaching and Learning Initiative</b> Attended a semester-long weekly seminar and worked with a student consultant to improve a first-semester calculus course.	Bryn Mawr, PA
2009	<b>MAA Thematic Calculus</b> Attended a four-hour workshop on teaching a conceptual single-variable calculus course.	Washington, DC
2008	<b>AP Calculus Reading</b> Graded Advanced Placement BC Calculus exams for the Educational Testing Service.	Kansas City, MO
2008	<b>MAA Combinatorics</b> Attended a four-hour workshop on the history, present, and future of Combinatorics.	San Diego, CA
2007	<b>AP Calculus Reading</b> Graded Advanced Placement AB Calculus exams for the Educational Testing Service.	Louisville, KY
2007	<b>MAA Teaching Mathematics History</b> Attended a four-hour workshop designed to improve the teaching of mathematics history to students at all levels.	New Orleans, LA

2006	<b>MAA TA Training</b> Received funding to attend a one-day workshop that addressed the training of teaching assistants for undergraduate classrooms through the use of case studies.	San Antonio, TX
2003	<b>Viewpoints</b> Received funding to attend a five-day workshop featuring classroom-tested activities and field trips that explored the connections between mathematics and art.	Lancaster, PA
2002	<b>PREP Workshop</b> Received funding to attend a two-week workshop designed to enhance effectiveness in teaching undergraduate students who plan to teach mathematics in secondary school.	Potsdam, NY
2001	<b>AWM Workshop</b> Received funding to attend a three-day workshop for women who recently earned the Ph.D. degree.	New Orleans, LA
1998	<b>Program in Mathematics and Molecular Biology</b> Received funding to attend a two-week workshop introducing the use of mathematics to conduct research in molecular biology.	Berkeley, CA
1996 - 1997	<b>Mathematical Sciences Research Institute</b> Engaged in original research and attended seminars with a select group of mathematicians.	Berkeley, CA
1997	<b>Tuck Business Bridge Program</b> Received funding to attend a thirty-day program providing a rigorous introduction to accounting, finance, managerial economics, marketing, and strategy through coursework emphasizing group process.	Hanover, NH
1993	<b>Budapest Semesters in Mathematics</b> Engaged in a semester-long intensive study of mathematics combined with an introduction to the Hungarian language, history and culture.	Budapest, Hungary
1993	<b>Summer Mathematics Institute</b> Received funding to experience graduate-level mathematics with a select group of women undergraduates for an intensive six-week program at Mills College.	Oakland, CA

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## SERVICE

2007 - 2025	<b>Mathematics Program Coordination</b> Supervised student leaders in the organization of math department events including excursions to regional conferences, math major information sessions, Math Appreciation Week activities, and other social events. Organized departmental presence at the Academic Fair, maintained math bulletin boards, and coordinated the math newsletter.	Bryn Mawr College
2007 - 2025	<b>Mathematics Course Placement</b> Updated and maintained the mathematics placement system. Advised students, faculty, and staff concerning placement results. Consulted with the Registrar's Office about transfer credit.	Bryn Mawr College
2007 - 2025	<b>Mathematics Student Employment</b> Hired students to grade homework, run problems sessions, monitor computer labs, and help with office work. Supervised students in the organization of minicourses to review high-school mathematics. Worked with graduate student instructors of record to design courses. Supported student-teachers with encouragement, feedback, and advice.	Bryn Mawr College
2018 - 2025	<b>CARLA Member</b> Helped develop an anti-racism framework, co-created a website, and contributed other service to the College as part of the Coalition for Anti-Racist Literacy.	Bryn Mawr College
2019 - 2025	<b>Data Science Steering Committee</b> Helped to envision, create, and maintain the Data Science Program.	Bryn Mawr College
2023 - 2025	<b>STEMLA Mentor</b> Mentored two students as part of Bryn Mawr's Science, Technology, Engineering and Math in the Liberal Arts Program.	Bryn Mawr College
2025	<b>CARLA In-Sourcing Anti-Racist Practices</b> Co-organized a two-day conference designed to highlight successful anti-racist efforts made by students, staff, and faculty at Bryn Mawr and Haverford Colleges.	Bryn Mawr College
2021 - 2024	<b>STEM Posse Mentor</b> Held weekly group meetings and bi-weekly individual meetings with ten Posse scholars. Met weekly with a trainer. Attended Posse Plus Retreats, multi-day summer trainings, and other events with Posse students and staff.	Bryn Mawr College

2022 - 2024	<b>CARLA Anti-Racism Collective Circles</b> Facilitated bi-weekly workshops for students, faculty, and staff dedicated to understanding and responding to racism on campus.	Bryn Mawr College
2024	<b>Statistics Search Committee</b> Served on a search committee for an Assistant Professor.	Bryn Mawr College
2024	<b>Data Science Search Committee</b> Served on a search committee for an Instructional Support Coordinator.	Bryn Mawr College
2014 - 2023	<b>MAAGC Conference Organizing Committee</b> Helped coordinate an annual two-day conference on the connections between algebraic combinatorics and algebraic geometry. Organized a panel discussion for the (cancelled) event in 2020.	Drexel University
2023	<b>Information Table</b> Represented the Bryn Mawr Graduate Program in Mathematics at the Joint Mathematics Meetings.	Bryn Mawr College
2023	<b>Mathematics Search Committee</b> Served on a search committee for an Assistant Professor.	Bryn Mawr College
2021 - 2022	<b>CARLA Convener</b> Co-organized meetings of the Coalition for Anti-Racist Literacy at Bryn Mawr.	Bryn Mawr College
2021 - 2022	<b>COW Leadership Team</b> Worked with a small group to find materials and facilitate discussion for the Confronting our Whiteness group of faculty and staff dedicated recognizing and understanding white privilege.	Bryn Mawr College
2021 - 2022	<b>CARLA Anti-Racist Workspace Teach-Ins</b> Collaborated with a small group to design and execute a two-part teach-in about creating an anti-racist workspace.	Bryn Mawr College
2022	<b>Mathematics Search Committee</b> Served on a search committee for an Assistant Professor.	Bryn Mawr College
2012 - 2020	<b>BSM Council</b> Served as a consultant to the Budapest Semesters in Mathematics program.	St. Olaf College
2013 - 2020	<b>PAMTC Leadership Team</b> Helped coordinate monthly mathematics enrichment workshops for middle-school teachers as part of the Philadelphia Area Math Teachers' Circle.	The Philadelphia School
2019 - 2020	<b>Chemistry Search Committee</b> Served on a search committee for a Laboratory Lecturer.	Bryn Mawr College



2008 - 2019	<b>Faculty Advising Programs</b> Volunteered for faculty advising and pilot programs.	Bryn Mawr College
2010 - 2019	<b>Quantitative Reasoning Steering Committee</b> Served on the search committee for, and provided feedback to, the Director of the Quantitative Center.	Bryn Mawr College
2015 - 2018	<b>Fellowships Committee Alternate</b> Assisted the Fellowships Committee members when extra help was needed.	Bryn Mawr College
2016 - 2018	<b>FIPSE Research Study</b> Participated in a study on the efficacy of using online instructional modules to help students in introductory STEM courses review fundamental math concepts and skills.	Bryn Mawr College
2017 - 2018	<b>STEM Open Houses</b> Participated in panel discussions and information sessions for prospective STEM majors.	Bryn Mawr College
2012 - 2014	<b>Fellowships Committee</b> Interviewed students applying for external fellowships, and selected recipients for awards.	Bryn Mawr College
2014	<b>Ph.D. Dissertation Committee</b>	Drexel University
2012 - 2013	<b>STEM Posse Committee</b> Consulted with coordinators of the STEM Posse, and developed a math and physics lab for new scholars.	Bryn Mawr College
2013	<b>Book Review for the <i>Princeton University Press</i></b> Reviewed <i>Zombies and Calculus</i> by Colin Adams.	
2010 - 2011	<b>Mathematics Search Committee</b> Served on a search committee for an Assistant Professor.	Bryn Mawr College
2010 - 2011	<b>Thinking Forward Committee Activities</b> Participated in a fall faculty retreat and a spring working group.	Bryn Mawr College
2011	<b>Ph.D. Qualifying Exam Committee</b>	Drexel University
2010	<b>Referee for the <i>Electronic Journal of Combinatorics</i></b>	
2010	<b>Ph.D. Qualifying Exam Committee</b>	Drexel University
2009	<b>BSM Director Search Workshop</b> Participated in a workshop intended to create a framework for the recruitment and selection of a new North American Director for the Budapest Semesters in Mathematics Program.	Washington, DC

2009	<b>Book Contribution</b> Acknowledged in <i>How to Guard an Art Gallery and Other Discrete Adventures</i> by T. S. Michael.	
2009	<b>Referee for <i>Discrete Mathematics</i></b>	
2002 - 2006	<b>Career Night</b> Organized a panel discussion and provided a forum for informal conversation between mathematics and computer science students and alumni.	St. Joseph's University
2002 - 2006	<b>High School Mathematics Day</b> Designed and led a problem-solving contest as part of the Sonya Kovalevsky High School Mathematics Day for Philadelphia high-school girls.	St. Joseph's University
2005 - 2006	<b>Elections Committee</b> Solicited nominations and ran elections for committees.	St. Joseph's University
2005 - 2006	<b>Curricular Architecture Committee</b> Conducted research and provided recommendations concerning curricular architecture as part of a comprehensive curriculum review.	St. Joseph's University
2006	<b>Referee for the <i>Journal of Applied Probability</i></b>	
2006	<b>Referee for the <i>Electronic Journal of Combinatorics</i></b>	
2006	<b>New Student Open Houses</b> Organized two open houses for high-school students interested in studying math or computer science.	St. Joseph's University
2004 - 2005	<b>Career Development Center Advisory Committee</b> Consulted with Career Development Center representatives to improve service for students majoring in math or computer science.	St. Joseph's University
2005	<b>Panelist</b> Participated in a panel discussion for graduate students about interviewing with, and working for, different types of institutions.	University of Pennsylvania
2005	<b>Referee for the <i>SIAM Journal on Discrete Mathematics</i></b>	
2003 - 2004	<b>Exam and Dissertation Committees</b> Served as a member of Ph.D. qualifying exam and doctoral dissertation committees.	Lehigh University
2003	<b>Immersion Initiative in Bolivia</b> Selected to travel to Jesuit schools in rural Bolivia and interact with local teachers, students, and supporters.	St. Joseph's University

2002	<b>Referee for <i>Journal of Computer Science</i></b>	
1999 - 2002	<b>Combinatorics Seminar</b> Invited speakers, coordinated talks, and publicized a weekly seminar at the University of Pennsylvania.	University of Pennsylvania
1999 - 2002	<b>Exam and Dissertation Committees</b> Served as a member of Ph.D. qualifying exam and dissertation committees.	University of Pennsylvania
1999 - 2002	<b>Transfer Credit Committee</b> Evaluated requests for transfer credit.	University of Pennsylvania
1997 - 1999	<b>International House Program Coordinator</b> Organized lectures, receptions, dinners, film screenings, and social gatherings for the international community. Lived in the International House on campus, and served as an informal advisor to house residents.	Dartmouth College

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## GRANTS

2025	<b>President's Office Grant</b> Received funding to support the CARLA conference.	Bryn Mawr College
2023	<b>Change Agent Fund Grant</b> Received funding to train facilitators for the CARLA Anti-Racism Collective Circles.	Bryn Mawr College
2020	<b>Data Science Course Development Grant</b> Received funding to develop an introductory course on statistics for data science.	Bryn Mawr College
2018	<b>Mellon Faculty Forum Root Grant</b> Received funding to support the Philadelphia Area Math Teachers' Circle.	Bryn Mawr College
2017	<b>Mellon Faculty Forum Seed Grant</b> Received funding to support the Philadelphia Area Math Teachers' Circle.	Bryn Mawr College
2016	<b>Mellon Faculty Forum Seed Grant</b> Received funding to support the Philadelphia Area Math Teachers' Circle.	Bryn Mawr College
2016	<b>Mellon Tri-Co Brainstorming Grant</b> Received funding to support the brainstorming of Tri-Co solutions to the problems posed by underprepared students in introductory math courses.	Bryn Mawr College

2015	<b>Mellon Faculty Forum Seed Grant</b> Received funding to support the Philadelphia Area Math Teachers' Circle.	Bryn Mawr College
2012	<b>Mellon Creative Residencies Program</b> Received funding to host mathematician, dancer, and choreographer Karl Schaffer of De Anza College and the Dr. Schaffer and Mr. Stern Dance Ensemble for a three-week residency exploring the connections between mathematics and dance.	Bryn Mawr College

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## PUBLICATIONS

- A. Myers (2010), *Rollette*, PMEJ **13**, no. 3, 153–158.
- A. Myers (2009), *Forbidden Substrings on Weighted Alphabets*, Australas. J. Combin. **45**, 59–66.
- A. Myers (2009), *The List of Grievances and Special Requests*, Focus **29**, no. 2, 14–15.
- A. Myers and H. Wilf (2008), *Left-to-Right Maxima in Words and Multiset Permutations*, Israel J. Math. **166**, 167–184.
- A. Myers (2007), *Pattern Avoidance in Multisets: Bijective Proof*, Ann. Comb. **11**, no. 3–4, 507–517.
- A. Myers and H. Wilf (2006), *Some New Aspects of the Coupon Collector Problem*, SIREV **38**, no. 3, 549–565.
- A. Myers and H. Wilf (2003), *Some New Aspects of the Coupon Collector Problem*, SIAM J. Discrete Math. **1**, 1–17.
- A. Myers (2002), *Counting Permutations by their Rigid Patterns*, J. Combin. Theory Ser. A **99**, 345–357.
- A. Myers (2000), *Basic Interval Orders*, Order **16**, 261–275.
- L. Billera and A. Myers (1999), *Shellability of Interval Orders*, Order **15**, 113–117.
- A. Myers (1994), *Magyar Mathematics*, UME Trends.

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## PRESENTATIONS

- 2018      *Apollonian Gaskets*, Philadelphia Area Math Teachers Circle.
- 2018      *Liar's Bingo*, Philadelphia Area Math Teachers Circle.
- 2016      *Triangle in a Triangle*, Philadelphia Area Math Teachers Circle.
- 2015      *The Mathematics of the Simplex Lock*, Philadelphia Area Math Teachers Circle.
- 2014      *Coke versus Pepsi*, Philadelphia Area Math Teachers Circle.
- 2013      *Bad Squares on Board Games*, Philadelphia Area Math Teachers Circle.

- 2012 *Are Venn Diagrams Limited to Three or Fewer Sets?*, Philadelphia Area Math Teachers Circle (invited).
- 2010 *Teaching Introductory College Mathematics Courses*, Renyi Institute of Mathematics.
- 2008 *Parents Weekend Lecture*, Bryn Mawr College (invited).  
*The Outstanding Elements of Permutations and Words*, Haverford College (invited).
- 2006 *Pattern Avoidance for Multiset Permutations*, University of Miami (invited).
- 2005 *Bad Squares on Board Games*, Joint Mathematics Meetings.  
*Bad Squares on Board Games*, Budapest Semesters in Mathematics Reunion Conference.
- 2004 *Composition Avoidance and The Coupon Collector Problem*, Iran IASBS (invited).  
*Composition Avoidance*, Bryn Mawr College (invited).
- 2003 *The Coupon Collector Problem*, Gettysburg College (invited).  
*The Coupon Collector Problem*, Swarthmore College (invited).  
*Bad Squares on Board Games*, St. Joseph's University (invited).
- 2002 *Binomial Determinants, Lattice Paths, and Hook Length Formulae*, University of Pennsylvania.
- 2001 *Counting Permutations by their Rigid Patterns*, Association for Women in Mathematics Workshop (invited).  
*Counting Permutations by their Rigid Patterns*, Lehigh University (invited).  
*Broken Circuit Complexes*, University of Pennsylvania.  
*Counting Permutations by their Rigid Patterns*, Vanderbilt University.
- 2000 *Counting Permutations by their Rigid Patterns*, U.S. Naval Academy (invited).  
*Rigid Patterns*, 32nd Annual Congress on Combinatorics, Graph Theory and Computing.  
*Rigid Patterns*, Combinatorialists of New England Conference (invited).  
*Rigid Patterns*, George Washington University (invited).  
*Basic Interval Orders*, Massachusetts Institute of Technology (invited).  
*Basic Interval Orders*, University of Pennsylvania.
- 1999 *Interval Orders are Shellable*, 31st Annual Congress on Combinatorics, Graph Theory and Computing.  
*Combinatorial Topology*, Dartmouth College.  
*Topology of Interval Orders*, University of Pennsylvania.
- 1997 *Paper Folding and Prime Numbers*, University of California at Berkeley (invited).

