

His undergraduate degree is from The College of Wooster, a liberal arts college in Ohio similar to Bates. His major was mathematics, in which he wrote two theses: One in linear algebra and the other in real analysis. He spent much of his senior year studying history, art, and piano because he knew that the next five years would be devoted to graduate mathematics. He completed his M.Sc. and Ph. D. at The Ohio State University.

He has supervised theses in numerous topics, such as modeling the impact of tropical cyclones, homological algebra, category theory, foundations of mathematics, algebraic coding theory, implementation of the Prolog programming language, geometric topology, NP-completeness, Fermat's theorem, transfinite ordinal arithmetic, and design of the Prufrock programming language. He also has supervised many independent study projects, one in mathematical ecology which was the basis for the first Bates interdisciplinary degree in environmental sciences.

Always ready to learn new mathematics, he has taught special topics courses in foundations of mathematics, set theory, logic, algebraic topology, homological algebra, applied abstract algebra, number theory, the mathematics and algorithms of computer graphics, advanced computer graphics, and contemporary programming languages. He also introduced and taught several courses in the computer science curriculum.

For many years he was a consultant for the College Board. He was an Advanced Placement Calculus Exam grader and has taught many summer courses and workshops for teachers of Advanced Placement Calculus. He also designed and reviewed questions for the Math SAT II exams.

He has an interest in languages and completed many Bates Spanish courses. He enjoys Latin-American culture and literature. One of his passions is the writings of Gabriel García Márquez, and has memorized the first ten pages of *Cien años de soledad*. During Short Term 1995 he traveled with 14 students to Ecuador to teach Biology s34 Tropical Field Ecology: Ecuador and the Galápagos Islands. In 2001 he taught a program titled "Mathematical Modeling on the Equator" at the Colby-Bates-Bowdoin Off-Campus Study Center in Quito, Ecuador. Currently he is studying the Somali language.

One of his many non-mathematical interests is field ornithology. He has chased birds all over the world and has led local bird walks for many years. Twice he organized the Maine Bird Conference, which brought over 130 bird enthusiasts and ornithologists to the Bates campus. He is the faculty advisor to the Bates Juggling Club and takes advantage of every opportunity he can to [juggle](#).

For many years he has been an officer and member of the board of directors of [The Stanton Bird Club](#), which sponsors local nature activities and owns [Thorncrag Bird Sanctuary](#), a 310-acre preserve a few blocks from the Bates campus.

He has served Bates in many administrative capacities: In 1990 and 2000 he chaired the team to write the Bates Self-Study for Reaccreditation. He ran the Office of the Dean of Faculty for a semester and has chaired or served on innumerable faculty

committees. He was a member of the Goals 2005 Task Force, a group of campus leaders charged with setting goals for what Bates should be like in 2005. For several years he worked out of the President's Office on strategic planning.

Currently he is chair of the Board of Trustees of [The Maine School of Science Mathematics](#), a magnet school in Limestone, Maine from which both his sons, Brandon and Justin, graduated.

He and his wife, Alice, live on a dirt road six miles from campus on an old Maine farm with 260 acres of forest, where they enjoy keeping track of wildlife, gardening, cutting and splitting wood, and woodworking. Alice's twin sons, Tom and Martin, are just between the ages of his sons. Tom also is a graduate of The Maine School of Science and Mathematics. He and Alice have a second home on the Maine coast in Rockland.

In 2007 he and Alice volunteered for two months in the UNHCR Dadaab Refugee Camp in Kenya, near the Somali border. While Alice, who is a family physician, ran one of the three hospitals for 170,000 refugees, he worked with the high school mathematics teachers.