Mathematics

Overview
Mathematics provides powerful tools for explaining how the world works. As a mathematics major, you learn how to use them. We offer small classes, lots of personal attention and plenty of opportunities for individual study, research and honors study in pure and applied mathematics. You also learn to draw connections between mathematics and other fields of study. You can take a course in mathematical methods for the physical sciences, the mathematics of finance or even ethnomathematics, which explores the relationship between mathematics and culture. During your junior or senior year, you take part in an advanced seminar with talks by visiting experts and Connecticut College faculty. You also prepare and deliver a one-hour lecture on an advanced topic of your choice.

Special Opportunities
We offer a broad range of statistics courses and have a full-time faculty member who is a trained statistician. Many math majors study abroad or pursue a funded internship through the College’s career and professional development program. You also have the option of pursuing a certificate from one of our interdisciplinary centers. In addition, you may present a paper at the Hudson River Undergraduate Mathematics Conference or other professional meeting.

Co-curricular Activities
Math students work together and have fun together. We offer career nights, game nights and visits by prominent mathematicians. We regularly compete in the national William Lowell Putnam Mathematical Competition. Additionally, students at the math help center tutor peers in introductory and intermediate-level courses, and the Connecticut Epsilon Chapter of Pi Mu Epsilon, the national mathematics honor society, is based on campus.

Emil Lalov
Mathematics, economics

Q: Why Connecticut College?
A: The great academics combined with many extracurricular opportunities, as well as the supporting and friendly environment.

Q: Why did you decide to study mathematics?
A: For me, mathematics is a beautiful subject requiring nothing but your ability to think creatively and use your intuition the right way. I was fascinated by this science in high school. My desire to learn more about it led me to get involved with math competitions. When I came to Connecticut College, I was eager to continue.

Q: What role has the College’s career development and funded internship program (CELS) played for you?
A: CELS helped me a lot while I was applying for internships. The counselors are absolutely fantastic and I cannot say how grateful I am to them for helping me land my dream internship as an actuary in Liberty Mutual’s headquarters in Boston. I did this internship in my sophomore year and was invited back the following summer – an offer I was thrilled and excited to accept.
Faculty

Christopher Hammond, Associate Professor of Mathematics; Chair of Mathematics Department
B.A., University of the South; M.S., Ph.D., University of Virginia
Operator theory; complex analysis

Priya Kohli, Assistant Professor of Mathematics
B.S., Delhi University; M.S., Indian Agricultural Statistical Research Institute; M.S., Northern Illinois University; Ph.D., Texas A&M University
Covariance modeling; missing data; longitudinal studies

Perry D. Susskind, Professor of Mathematics
B.A., Columbia College; M.A., Ph.D., SUNY Stony Brook
Complex analysis, geometry and low-dimensional topology; particularly Kleinian groups; discrete groups of isometries of hyperbolic $n$-space; Hadamard manifolds; geometric group theory

Warren P. Johnson, Associate Professor of Mathematics
B.S., University of Minnesota; Ph.D., University of Wisconsin
Q-analysis; calculus; number theory; combinatorics; special functions; determinants; history of mathematics

Kathleen McKeon, Professor of Mathematics; Associate Director for Academics of the Holleran Center for Community Action and Public Policy
B.S., Worcester Polytechnic Institute; M.S., Ph.D., Michigan State University
Enumeration; computational graph theory; algebraic graph theory; probabilistic combinatorics; algorithms and analysis

Augustine B. “Tina” O’Keefe, Assistant Professor of Mathematics
B.S., James Madison University; M.A., Wake Forest University; Ph.D., Tulane University
Combinatorics; commutative algebra; graph theory

Matt Willis, Visiting Assistant Professor of Mathematics
B.S., College of New Jersey; Ph.D., University of North Carolina, Chapel Hill
Pure mathematics; statistics; combinatorics; linear algebra

Selected Courses

Linear Algebra; Multivariable Calculus; Discrete Mathematics; Ordinary Differential Equations; Design and Analysis of Experiments; Abstract Algebra; Real Analysis; Graph Theory; Theory of Computation; Mathematics from a Cultural Perspective

About Connecticut College

Connecticut College is a private, highly selective liberal arts college with 1,850 students and more than 40 majors in the arts, sciences, social sciences and humanities, and the option for students to self-design majors. The College offers a high level of intellectual challenge, and a campus culture that supports students to tailor their educational experience to their own interests and goals. A four-year career development program teaches students how to translate a liberal arts degree into a first job or graduate school admission. Connecticut College is situated in the small New England seaport of New London.

W HAT C A N  Y O U  D O  W I T H  A  M A J O R  I N  M A T H E M A T I C S ?

Developer, General Dynamics Information Technology
Mathematician, Naval Underseas Warfare Center
Assistant Professor of Economics, University of California, San Diego
Analyst, Citigroup
Teacher, American International School in Johannesburg
Manager of Accounting Processes, Otis Elevator
Market Planner, Motorola
Senior Business Analyst, The Hartford
Associate Professor, University of South Florida
Systems Engineer, Boeing Co.
Senior Software Engineer, Google Inc.
Vice President for Business Development, Merrill Lynch & Co.
Director of Research, St. Paul Travelers Cos.
Load Research Analyst, Northeast Utilities
Senior Financial Economist, FDIC
Portfolio Manager/ VP of Trust Division, Pittsburgh National Corp.


Emil Lavlov ’14
Functional Equations and their Applications

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