Curriculum Highlights

- Rigorous core courses in algebra, analysis, topology, geometry, probability and statistics.
- Computational mathematics, mathematical laboratories, simulations and visualization integrated into the curriculum.
- 6--7 departmental electives offering advanced courses in diverse areas of pure and applied mathematics (Functional Analysis, Numerical Analysis, Commutative Algebra, Partial Differential Equations, Introduction to Algebraic Topology, Advanced Probability Theory, Graph Theory & Applications).
- 5--6 free electives that may be used to pursue interdisciplinary interests and, subject to Institute regulations, earn a minor in another discipline.
- Optional undergraduate thesis and research opportunities.
- Preparation for higher studies, research, and careers in mathematics, statistics, AI, data science, quantitative finance, operations research, analytics, and related fields.