



Department of Mathematical Sciences

Mission and Vision

The Department of Mathematical Sciences carries two key missions: teaching and research. We accomplish these by offering a wide spectrum of mathematics and statistics courses and by seeking discoveries at the frontiers of mathematical and statistical knowledge. Our courses are designed to develop students' computational skills, critical thinking, and problem solving abilities. Through its undergraduate and graduate programs, the department also provides systematic training that bolsters students' capacity to contribute to society in general. Students not only develop critical, quantitative, and logical reasoning skills for solving technical and societal problems, but also are often inspired to acquire an intellectual curiosity that remains with them thereafter. Our faculty members conduct wide-ranging investigations in mathematical theory and its applications that are crucial for technological advance in the current era and in the future to come. Faculty research enlarges the body of knowledge in general science and contributes by new discoveries and applications to a large number of interdisciplinary areas, including broad portions as well as mathematical sub-specialties of climatology, engineering, biology, chemistry, scientific computing, economics, finance, medicine, cryptography, big data, geology, physics, actuarial science, and more.