Are you interested in learning how to use computational analysis to understand and solve complex problems?

**CONSIDER EXPLORING:**

**APPLIED AND COMPUTATIONAL MATHEMATICS:** This major is designed to give students an understanding of the application of mathematics and particularly useful for professions within technological firms, the insurance industry, government services, or with financial/investment institutions.

**COGNITIVE SCIENCE:** This interdisciplinary major focuses on the mind and cognition from a variety of perspectives and disciplines including anthropology, computer science, linguistics, mathematics, philosophy, and psychology. Areas of focus are available in language, reasoning and decision-making, or the computational mind.

**COMPUTATIONAL NEUROSCIENCE:** This major is designed for students with an interest in applying mathematical and computational methodologies towards understanding the structure and functioning of the nervous system.

**GEODESIGN:** An interdisciplinary major that brings together science, policy and architecture, GeoDesign challenges students to use spatial information set in the context of the built environment and policy. Skills learned are particularly useful for sustainable planning, the design of healthy communities, and addressing the impact of population growth on the environment.

**MATHEMATICS:** This major incorporates many mathematical theoreticians as well as specialists in applications of engineering, computer science, finance, economics, physics, and computational genomics. Students can prepare for a specific field, whether in industry, teaching, or advanced graduate research.

**PHYSICS/COMPUTER SCIENCE:** This major is intended for students with dual interests in physics and computer science who wish to complete the essential courses for both majors within four years. It prepares students for a career in a computer-related field and/or science research.
Enhance your degree with a related minor, or delve deeper by getting involved with one of our centers and institutes.

Minors & Institutes

- Biotechnology
- Mathematical Finance
- Computational Biology and Bioinformatics
- Center for Quantum Information Science and Technology
- Spatial Sciences Institute
- Bridge Institute
- Brain and Creativity Institute
- Center for Applied Mathematical Sciences
- Human Security and Geospatial Intelligence
- Computational Analysis
- Statistics