

# MASTER OF SCIENCE IN INFORMATICS

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**Web Site:** <https://twu.edu/math-computer-science/graduate-programs/>

The M.S. in Informatics program provides graduate students with a flexible, adaptable, interprofessional, and interdisciplinary approach to the study of informatics, delivered in a hybrid learning environment. Majors in this program will build upon a set of foundational courses and choose discipline-specific courses within an approved Application Area (Clinical Applications, Data Science/Data Analytics, Health Studies, Sports Informatics, Cybersecurity, or Community Informatics) to complete the major.

Course content for the degree provides a central set of knowledge and skills that all informatics students will possess and then allows students to explore and refine their understanding of informatics as it is applied to high-demand professions and careers.

Majors will learn to use technology and data analytics to derive meaningful information from data for data and decision-driven practice in user-centered systems.

Informatics is the interprofessional study and application of information science, computer science, cognitive science, and organizational science to the arts, sciences, and professions.

Informatics includes a formal study of information including:

- its structure, properties, uses, and function in society
- the people who use the information and the technologies that are developed to record, organize, store, retrieve, and disseminate the information