

# MASTER OF SCIENCE IN INFORMATICS (CYBERSECURITY)

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**Web Site:** <https://twu.edu/informatics/graduate-program/>

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, Cybersecurity, Data Science/Data Analytics, Health Studies, Sports Informatics, or Community Informatics) to complete the major. The program is delivered collaboratively by Academic Components, including Computer Science, Nursing, Health Studies, Kinesiology, and Library and Information Studies.

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