

# INFORMATION TECHNOLOGY, M.S.

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The Master of Science in Information Technology enables students to advance their technical expertise and their ability to integrate technologies into organizations. The degree addresses workforce demand for expertise in information technology and digital transformation needed to work effectively in today's data and technology-centric environments. The digital revolution is impacting all aspects of our lives, reshaping both personal and work lives everywhere. Students in the master's program have the opportunity to advance their knowledge in areas such as cyber-infrastructure, networking, data analytics, artificial intelligence, user experience and interface design. Students can work with faculty in a wide range of research endeavors, depending on their interests and career goals. Opportunities for research expands students' opportunities to pursue their own research interests and to publish papers at national conferences.

## Learning Outcomes

1. Demonstrate the ability to apply advanced information technology principles to solve complex problems.
2. Analyze client information technology needs and develop, integrate, and evaluate innovative solutions.
3. Exhibit professional skills such as technical writing, oral communication, and working in trans-disciplinary teams.
4. Execute a rigorous research project in a specific information technology area of interest (Research Track only).
5. Design and conduct a development project in a specific information technology area of interest. (Professional Track only)