ST. MARY'S UNIVERSITY





St. Mary's University, as a Catholic Marianist University, fosters the formation of people in faith and educates leaders for the common good through community, integrated liberal arts and professional education, and academic excellence. The School of Science, Engineering and Technology at St. Mary's University seeks to develop ethical and serviceminded scientists, engineers, and technology leaders through experiential learning in a student-centered environment committed to success.

A Master of Science in Cybersecurity from St. Mary's provides students with knowledge, skills, and best practices on how to monitor, secure and safeguard an organization's digital assets. This uniquely St. Mary's program combines technical rigor with sound ethics and implications to the law. Students take courses in network security, digital forensics and cybercrime, cybersecurity risk management,

DESIGNATIONS

• CAE-Cyber Defense

CONTACT INFORMATION

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stmarytx.edu/academics/programs/mastercybersecurity/ cryptography, software security, cloud computing security and cyber law. These courses enable students to get hands-on experience with protecting networks, computers, programs and institutional data from attack, damage, or unauthorized access.

Graduates from the Master of Science in Cybersecurity program at St. Mary's University should be able to:

- Demonstrate cybersecurity principles, design approaches, standards, and new technologies
- Show knowledge, skills, and best practices on how to monitor, secure and safeguard cyber assets
- Apply hands-on skills for protecting networks, computers, programs and institutional data from attacks, damage, or unauthorized access
- Demonstrate sound digital forensic methodology in the examination of different operating systems
- Explain software defects and vulnerabilities, and how to mitigate defects through software design process

Graduates with a Cybersecurity degree can provide expertise in public and private sectors. They can meet the needs of large and small businesses, the U.S. government and military, contractors, and research organizations. In San Antonio alone, the cybersecurity field is rapidly growing. Employers located in the region include NSA/CSS Texas; the 16th Air Force; the U.S. Air Force Cryptologic and Cyber Systems Division; and numerous military contractors, such as General Dynamics, Raytheon, and Booz Allen Hamilton.