CYBER TECHNOLOGY, MASTER OF SCIENCE

Overview

This Master of Science in Cyber Technology degree program is a 30-credit, ten course program in which students will be introduced to best practice from leading experts and gain the practical technical skills through hands-on course labs to design, implement, and manage cutting-edge cyber technology solutions. The Tulane SoPA Cyber Technology master's degree program provides a rigorous academic foundation combined with real-world technical exposure that bridges the gap between technical expertise and strategic governance.

Core courses will cover enterprise systems, the business of technology, cyber law and policy, and cybersecurity threats and mitigations. Each student will also choose a concentration (Cybersecurity, Leadership, Data and Artificial Intelligence, Cyber Technology Fundamentals) to further elevate their cyber skills.

MS in Cyber Technology (MSCT) Program Learning Objectives:

1. Graduates will be able to plan, develop, deploy, and sustain an effective regulation and case law-informed IT governance policy that employs current and emerging industry best practices to manage and deliver Information Technology resources.

2. Graduates will be able to develop and champion business cases, apply standard business practices as they pertain to specific technology issues and solutions.

3. Evaluate cybersecurity principles and strategies used in Information Technology

4. Graduates will be able to plan, develop and execute on disaster recovery and business continuity plans, and demonstrate a strategy to maintain and update these plans.

5. Graduates will be able to articulate a secure enterprise system architecture (hardware and software) based on business requirements that will include emerging technologies.

Requirements

Please note: any Cybersecurity Management MS course is available as an elective to Information Technology Management students.

Course ID	Title	Credits
Core Courses		
CPST 6250	Enterprise Information Technology	3
CPST 7150	The Business of IT	3
CPST 7600	Enterprise Infrastructure Arch	3
CPST 7800	Cyber Law and Policy	3
CPST 7900	Sec & Cyber Threats - IT Mgrs	3
CPST 7100	Cyber Technology Program Capstone	3
Select Four-Course Certificate Track in a Specialized Area:		**12**
Cybersecurity Certificate		
Data and Artificial Intelligence Certificate		
Technology Leadership Certificate		
Cyber Technology Fundamentals Certificate (for students without prior technical experience)		
Total Credit Hours		**30**

Program String and Field of Study: PAMS_GR, MSCT

Catalog Addendum Note: This program was added to the catalog in July 2025.

Contact

For more information, contact the School of Professional Advancement (https://sopa.tulane.edu).