

# ONLINE MASTERS IN IT MANAGEMENT



## Program Overview

The Online MPS in IT Management program will provide you with the advanced technical training and strategic business acumen you need to become an IT and Digital Transformation leader. You will learn how to integrate technology, provide leadership, and employ business processes to solve critical business needs. Additionally, you will gain hands-on skills from a variety of real-world type lab experiences in your technical courses. If you're ready to become the leader you were meant to be, the MPS in Information Technology Management is your important next step.

### Our program will teach you how to:

- Solve critical business needs to meet an organization's goals using technology
- Integrate people, technology, systems and processes within and across organizational boundaries
- Communicate effectively across departments and with varied stakeholders
- Lead the Digital Transformation across an enterprise

### Choose elective courses that lead to a choice of three optional in-demand concentrations:

- Cybersecurity
- Emergency Operations
- Homeland Security

## Sample Part-Time Course Schedule

TERM 1	TERM 2	TERM 3	TERM 4	TERM 5
Enterprise Application Architecture	Enterprise Infrastructure Architecture	IT Governance and Policy	IT Project Management*	Business Intelligence*
Cybersecurity Law and Policy	Security and Cyber Threats for IT Managers	The Business of Information Technology	Software Development Methodologies*	Managing the IT Department Capstone

\*elective

## About SoPA

For more than 130 years, Tulane's School of Professional Advancement has helped working adults pursue higher education and advance their careers. In addition to campus-based programs, we now offer online programs of the same quality, taught by the same dedicated faculty. We've taken what makes Tulane one of the country's most respected institutions of higher education—and brought it all online.

- ✓ No GRE or GMAT required
- ✓ Complete in 16-24 months
- ✓ Full and part-time scheduling options
- ✓ 30 credits
- ✓ \$1078 cost per credit\*

\*Some courses have lab fees of up to \$150 per course to support the technology needed for high-quality virtual labs. These fees are always listed on the schedule of classes.



## YOUR COURSEWORK INCLUDES:

### Enterprise Application Architecture

Progressive approaches for state-of-the-art Information Technology infrastructures: Learn about enterprise software architecture and multiple systems of interest and how to analyze hierarchical and peer level interactions of software. Discover how to maximize successful implementation, minimize risk, simplify operations, and insure compliance with regulatory requirements.

### Enterprise Infrastructure Architecture

Hardware Architecture that utilizes virtualization of servers, storage area networks and network capabilities: Learn how to maximize business functionality, minimize risk, simplify operations, and comply with regulatory requirements to build open/standards-based enterprise hardware architecture utility servers/appliances, multi-tier server environments, and cloud architecture.

### Cybersecurity Law and Policy

Legal issues related to the management of information: Investigate the myriad legal issues surrounding the protection, maintenance, collection, storage, accessibility of data. Learn how to evaluate security policies and understand the most important legal issues in managing information so you are able to apply best practices, regardless of industry.

### IT Governance and Policy

Standards, frameworks, tools and techniques used in IT Governance: Learn how to manage technology and information in compliance with industry best practices. Discover how to plan, deploy, manage, monitor, measure and sustain a successful IT governance plan that leverages IT to support an enterprise's goals and growth.

### Managing the IT Department Capstone

Apply all you've learned to affirm and display your mastery of IT management and leadership. Cybersecurity leadership and management.

### Security and Cyber Threats for IT Managers

Threat detection: Discover IT threats and current and evolving exploitation methods and vulnerabilities. Learn about attacks and attackers and analyze their motivation, purpose, types, and phases, considering threats from emergent technologies (such as Blockchain, IoT, and Quantum Computing).

### The Business of Information Technology

The goal of this course is to provide IT Management candidates with the experience in handling business processes that are necessary to successfully manage the business aspects of Information Technology. It covers business concepts and processes that are particularly germane to the management and use of Information Technology. These processes include Accounting and Finance, Human Capital and Payroll, Budget, Contract Management, Requests for Proposals, Statements of Work, and Service Level Agreements.

### IT Project Management

Tools and techniques of project management as they relate to IT projects and software development: Learn about the Project Management Body of Knowledge® best practices, and their integration into the project management life cycle with its processes of initiating, planning, executing, monitoring and controlling the project.

## SAMPLE ELECTIVE COURSES:

### Business Intelligence

Structures and techniques used to transform data into information for decision-making: Discover how to use business intelligence across a wide spectrum of enterprises, such as health care, exploration, security, identifying markets, predicting behavior and forecasting demand. Learn about tools you can use to assist in business decision making, such as identifying new markets, extracting data to better understand current markets and forecasting demand using simple statistical methodologies.

### Systems Requirements Development and Testing

Planning and development of management processes and hardware/software testing processes: Understand the value of good systems requirements and how to plan and implement practical requirement gathering approaches for information systems. Learn how to test roles, techniques, and processes and where and how the software testing process fits into overall development methodology.

### Software Development Methodologies

Structure, plan, and control the process of developing an information system: Understand deliverables and artifacts that are created and completed by a project team to develop or maintain an application. Learn about the wide variety and evolution of methodologies and frameworks of software development and how to assess their strengths and weaknesses.