

IT Governance  
and Controls

SMU Engineering Leaders Masters Series

# Master of Science Information Engineering and Management

GLOBAL DEMAND • CAREER ADVANCEMENT • CRITICAL NEED



## The SMU Engineering Difference.

The SMU School of Engineering is a selective, premier center of learning for aspiring professionals who will lead the business world into the future. Centered in Dallas, one of the country's most vibrant cities, SMU Engineering combines top-notch technical expertise with an emphasis on business, entrepreneurship, and humanities to yield a foundation for success in an ever-changing global business climate.

## Why the Engineering Leaders Masters Series?

Our executive format programs are built around small class sizes, highly knowledgeable instructors, team projects and programs, and education that goes beyond the basics to produce truly imaginative and innovative professional leaders.

At SMU, we're engineering leaders ... shaping tomorrow. Enrollment is limited. Apply today.



For SMU information, please email [executive@enr.smu.edu](mailto:executive@enr.smu.edu), call 214-768-2002 or visit [EngineeringLeaders.smu.edu](http://EngineeringLeaders.smu.edu).

Information is the lifeblood of your organization. But as Information Technology (IT) becomes ever more tightly woven into the fabric of the enterprise, and as IT applications grow in breadth, capability, and complexity, so grows the need for IT governance, assurance, and security strategies aligned with business goals. This need can only be met by finding – or developing – management talent with the technical expertise and business savvy to be effective leaders, as well as the training and certifications needed to take on the critical roles of IT risk managers and IT auditors.

SMU has responded to this critical need by creating a new track within its Engineering Leaders Masters Series in the Information Engineering and Management sequence: **IT Governance and Controls**. Developed for alignment with the industry-standard ISACA International Model Curriculum, this specialized sequence is only the fourth such offering in the United States. The program consists of ten courses, blending advanced information engineering and managerial techniques with topics covering IT control concepts and procedures; technical, environmental, logical, and physical security issues, as well as IT governance structures.

As career-advancing programs, the Engineering Leaders Masters Series offerings are outstanding tools for recruiting, rewarding, and retaining top talent. For that reason, the **IT Governance and Controls** sequence is open only to highly motivated individuals who have an appropriate undergraduate degree and significant professional IT or audit experience.

## EXECUTIVE FORMAT PROGRAM

### IT Governance and Controls Track Information Engineering and Management

#### Year 1 Example

- Class 1 Enterprise Fundamentals
- Class 2 Information System Architecture
- Class 3 Information System Design Strategies
- Class 4 Management of Information Technology\*
- Class 5 Information Engineering and Global Perspectives

#### Year 2 Example

- Class 6 Production Systems Engineering
- Class 7 Decision-Support Systems
- Class 8 Managing IT Controls\*
- Class 9 IT Security and Risk Management\*
- Class 10 Software Systems Engineering

\*Required for Certificate Option.

Access [ISACA.org](http://ISACA.org) for international information or [ISACANTX.org](http://ISACANTX.org) to reach the North Texas Chapter.