SMU Engineering Leaders Masters Series

Master of Science
Information Engineering and Management

GLOBAL DEMAND • CAREER ADVANCEMENT • CRITICAL NEED

THE SMU ENGINEERING DIFFERENCE.

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

WHY THE ENGINEERING LEADERS MASTERS SERIES?

Our weekend 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.

SMU | BOBBY B. LYLE
SCHOOL OF ENGINEERING

Information is the lifeblood of all organizations. 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 take on the critical roles of IT risk managers and IT auditors.

SMU Lyle 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.

MSIEM/ITGC is an outstanding tool for career changers or technical workers in organizations where engineers are critical, but business knowledge is needed. As such, its objective is to utilize differing undergraduate backgrounds and work experiences in conjunction with the Information Engineering and Management program to produce specialists who can balance business and technical skills, yielding a competitive advantage through a well-conceived IT strategy.

WEEKEND 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 Technologies*
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 Lyle's Certificate in IT Governance and Controls. Electives are subject to change.

For more information, please email EngineeringLeaders@smu.edu, call 214-768-2002, or visit lyle.smu.edu.

Access ISACA.org for international information or ISACANTX.org to reach the North Texas Chapter.