To tweet or not to tweet. That is the question more and more CEOs are asking their CIOs, along with such questions as whether or how to make the company’s intranet visible to the smart phones and tablets their personnel are bringing to work. Social media and portable network devices are radically transforming the way virtually all organizations use information technology to communicate with—and gather data from—customers, vendors, partners, and personnel worldwide. The growth of ad hoc systems is having a profound impact on corporate IT architecture, infrastructure, governance, and control. And it’s just one factor in the increasing need for engineers and managers who can master the convergence of personal communication with corporate IT to expand business intelligence: the CIOs of tomorrow.

FIND US HERE
P.O. Box 750335 Dallas, Texas 75275
EngineeringLeaders@SMU.edu | lyle.smu.edu
214-768-2002
ACADEMIC PROGRAM

The MSIEM course requirements are structured in four pedagogical groups.

1. Foundational courses: enterprise and information systems fundamentals (9 TCH).
   - Enterprise Fundamentals
   - Information System Architecture
   - Information System Design Strategies

2. Business context courses: foundational concepts applied to the construction of information systems and the management of operations (6 TCH).
   - Management of Information Technologies
   - Production Systems Engineering

3. Depth courses: advanced information engineering for strategic systems and managerial decision support (6 TCH).
   - Analytics for Decision Support
   - Information Engineering and Global Perspectives

4. Focus courses: electives for specialization to specific interests, applications, and industries (9 TCH).
   - Information Engineering Seminar
   - Technical Entrepreneurship
   - Other EMIS, computer science, or engineering courses, for example:
     - Information Technology Governance and Controls Track
     - Information Technology Security and Risk Management
     - Managing Information Technology Controls
     - Software Systems Engineering

POWER CONNECTIONS

This is the ideal time to pursue a Master of Science in Information Engineering and Management from SMU. Demand is growing for individuals with the acumen needed to design and manage information systems that utilize diverse resources to create powerful constituent connections and competitive market advantages. Lyle’s challenging 30-hour program focuses on software, networking, hardware, and business skills needed to develop information strategies and systems that align with the organization’s mission, support its competencies, protect its integrity, and safeguard its intellectual property. Graduates emerge with a high-level knowledge of IT systems, design strategies, information applications, audit, and risk management.

NETWORK RESOURCES

Developed in consultation with industry experts, this Master’s program at Lyle was created for individuals with diverse engineering and professional backgrounds who are looking for opportunities to advance in their career—or move into a challenging new field. Students interact with world-class faculty—active researchers who are contributing to the expansion of IT theory and application. They graduate well-prepared to meet the critical need for information engineers and managers in virtually every industry and sphere of government.