

Master of Science Systems Engineering

REQUIREMENTS - DRIVEN • PARTNERSHIP - BASED



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.

The SMU School of Engineering's Master of Science, Systems Engineering degree is a requirements-driven program developed for high-potential professionals with an undergraduate technical degree who are advancing in industry or government or running their own company. Fast-paced – restricted to a highly motivated group of engineers or managers – this Masters degree is designed to impart essential knowledge for success in today's and tomorrow's competitive, technology-driven business.

A 30-hour program designed to develop expertise for development and management of systems (products and services) to satisfy customer requirements, the SEP considers engineering, technology, environmental, management, risk, and economic factors by viewing the system as a whole, over its life cycle using systems engineering principles, methods and practices. "Systems thinking" skills are developed which foster more effective practice for engineers or engineering managers within the business enterprise. The objective is to provide individuals with the capability to effectively manage the development of complex systems in an ever-changing global environment.

EXECUTIVE FORMAT PROGRAM

Systems Engineering

Year 1

- Class 1 Systems Analysis Methods
- Class 2 Systems Engineering Process
- Class 3 Integrated Risk Management
- Class 4 Systems Reliability, Supportability & Availability Analysis
- Class 5 Systems Integration & Test

Year 2*

- Class 6 Systems Engineering Design
- Class 7 Software Systems Engineering
- Class 8 Systems Engineering Leadership
- Class 9 Logistics Systems Engineering
- Class 10 Systems Engineering Tools (SLATE, DOORS, Matlab)

**Electives offered in Year 2 are subject to change.*

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