

Master of Science Software Engineering

SOLUTION • IMPLEMENTATION • PRESENTATION - THE DESIGNER'S CHALLENGE



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 Master of Science degree in Software Engineering offers a balanced approach to management skills and technical expertise necessary to succeed in this critically important field. Many of the courses are based upon those proposed by the Software Engineering Institute, specifically founded by the Department of Defense to assist in the development of a sound foundation for this rapidly emerging field. Centering on the challenges of working professionals, SMU's executive format program in Software Engineering serves the needs of the part-time student.

Requiring 30 hours of coursework consisting of 10 courses, the program is designed to explore all aspects of the software life cycle – from initial customer requirements and design to testing and maintenance. The program emphasizes the importance of architecture and strategy in the design and development of software, as well as the human factors and interface issues that must be addressed to ensure the success of a software solution. The program covers not only the technical aspects of building software systems, but also management issues such as directing programming teams, scheduling, and budgeting.

EXECUTIVE FORMAT PROGRAM

Software Engineering

Year 1

- Class 1 Software Project Planning & Management
- Class 2 Software Architecture & Design
- Class 3 Software Testing & Quality Assurance
- Class 4 Software Requirements Engineering
- Class 5 Software Development/Embedded & Real-Time Systems

Year 2*

- Class 6 XML & the Enterprise
- Class 7 Software Metrics & Quality Engineering
- Class 8 Object-Oriented Analysis/Design
- Class 9 User Interface Design
- Class 10 Software Reliability & Safety

**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.