

Naveen Jindal School of Management

Master of Science in Systems Engineering and Management



Curriculum

Systems engineering and management (SEM) is an essential ingredient in high-tech industries. There is a growing need for engineering and management training in complex systems that have many interdependent parts and significant organizational and/or societal impact. Increasingly, business requires that engineers be trained to be good managers and leaders. Likewise, business managers need a better understanding of technology and how to run large, multifaceted engineering projects.



As a joint program between the Erik Jonsson School of Engineering and Computer Science and the Naveen Jindal School of Management, SEM features both technical and human-centered courses. The curriculum provides knowledge and skills to design, develop and manage complex projects requiring wide-ranging scientific and business competencies.

The program offers flexibility in its concentrations and in its format. Students can choose between a master's degree earned the traditional way, during regular weekday classes, or one earned in an executive format, during classes on Fridays and Saturdays. A certificate in systems engineering or in systems management is yet another option for those seeking advanced training.

Career Options

Graduates of the program seek such positions as: manager/director of systems engineering and management, chief technology officer (CTO), chief strategy officer, chief information officer (CIO), chief security officer, vice president of research and development, vice president of systems engineering, vice president of engineering, director of systems engineering, systems program manager and systems project manager.

Degree Program

The MS in Systems Engineering and Management requires the completion of a minimum of 36 semester credit hours. The traditional degree offers an option for 30 hours of semester credit plus a thesis. For complete admission and degree requirements, view the Graduate Catalog at catalog.utdallas.edu.

Contact Information

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