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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Executive SEM Program
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utdallas.edu/sem
The University of Texas at Dallas Naveen Jindal School of Management (JSOM) is the largest of UT Dallas' eight schools, with an enrollment of about 9,100, more than half of whom are graduate students. The school provides outstanding tuition value, a wide variety of classes on campus and online, flexible scheduling and a convenient location. The Jindal School of Management keeps abreast of business needs as an essential component in providing students with rigorous training and relevant skills for professional success. Programs are offered at the undergraduate, MBA, master's, PhD and executive levels. Programs are organized around six broad topics of business specialization:

- Accounting
- Finance and Managerial Economics
- Information Systems
- Marketing
- Operations Management
- Organizations, Strategy and International Management

A broad array of internship and scholarship opportunities is made available to Jindal School students each academic year. The school operates its own Career Management Center, which students may use in addition to the campus-wide UT Dallas Career Center. More than 50 student organizations are based in the school. Most of these focus on career development in specific fields and build networking, internship and employment opportunities. U.S. News & World Report (2019) ranks the school’s Full-Time MBA program at No. 40 (tied) in the nation and tied for No. 19 among public university programs in the United States. In the same ranking, the publication places the Professional (Part-Time) MBA at No. 20 in the nation.

jindal.utdallas.edu

Faculty
The Jindal School offers a variety of degree options at the undergraduate, graduate, master’s and PhD levels. The school’s relevant, rigorous curriculums were developed by exemplary teachers and leading researchers. The outstanding faculty members bring a wealth of intellectual capital, and they often come because UT Dallas enthusiastically encourages and supports scholarly inquiry and innovative teaching. New discoveries, along with faculty members’ expertise, inform the academic programs at every level.

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<th>JSOM Graduate Programs</th>
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<td>Accounting</td>
<td>MS</td>
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<td>Business Administration</td>
<td>MBA**</td>
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<td>Business Analytics</td>
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<td>Energy Management</td>
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<td>Financial Engineering and Risk</td>
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<td>Management</td>
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<td>Information Technology and</td>
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<td>Management</td>
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<td>Innovation and Entrepreneurship</td>
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<td>International Management Studies</td>
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<td>Management Science*</td>
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<td>Marketing</td>
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<td>Supply Chain Management</td>
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<td>Systems Engineering and</td>
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<td>Management***</td>
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* UT Dallas also offers an Executive Management Science degree with concentration options in Project Management and Organizational Behavior and Coaching.

** UT Dallas also offers Executive MBAs with concentrations in Healthcare Management for Physicians (MS or MBA), Product Lifecycle and Supply Chain Management and Project Management.

*** Systems Engineering and Management is a joint program with the Erik Jonsson School of Engineering and Computer Science.
Naveen Jindal School of Management
Centers and Institutes

The school’s centers and institutes blend academic research with the real world. The business community as well as UT Dallas faculty and students benefit from this exchange of ideas, experiences and research. Jindal School Centers and Institutes of Excellence include:

- Center and Laboratory for Behavioral Operations and Economics
- Center for the Analysis of Property Rights and Innovation
- Center for Finance Strategy Innovation
- Center for Healthcare Leadership and Management
- Center for Information Technology and Management
- Center for Internal Auditing Excellence
- Center for Professional Sales
- International Accounting Development: Oil and Gas
- International Center for Decision and Risk Analysis
- The Leadership Center
- Morris Hite Center
- Institute for Excellence in Corporate Governance
- Institute for Innovation and Entrepreneurship

jindal.utdallas.edu/centers-of-excellence

The Career Management Center (CMC)
The Career Management Center (CMC) prepares degree-seeking students in the Jindal School of Management for significant and fulfilling business careers. The CMC has a committed and enduring relationship with the DFW business community, home to 20 Fortune 500 companies. The CMC offers tools and programs to help students and graduates build their networks, enhance their skills and develop professionalism to land dream jobs. Services include:

- Handshake (internal job posting website)
- Professional development opportunities
- Internships
- Portfolio building
- Company visits and networking opportunities on campus

jindal.utdallas.edu/career

Location
The Jindal School benefits from its location in the Dallas-Fort Worth area, a center of industry and trade that places a high value on ingenuity and entrepreneurship. Foreign Policy magazine named Dallas one of only five U.S. cities in the top 25 in its projection of the “most dynamic cities in the world in 2025.”