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. 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 program offers flexibility in its concentrations and its formats. A certificate in systems engineering or systems management is also available.

**Program Description**
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.

**Career Opportunities**
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.

**Marketable Skills**
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 business or organization centered courses. Upon successful completion of the MS in Systems Engineering and Management, graduates will be able to take on roles with the following skills:

- Ability to design, develop and manage complex projects requiring a wide range scientific and business competencies
- Ability to explain technical terms to non-technical people in the business world and apply knowledge/skills to real world scenarios
- Ability to communicate effectively
- Ability to use empirical and quantitative skills, critical thinking, analytical reasoning and problem solving

Additional information about the marketable skills for the MS in Systems Engineering and Management (P-SEM) - Executive Education program can be found at: https://provost.utdallas.edu/marketable-skills/jsom/executive-education.

**Contact Information**
Email: sem@utdallas.edu
JSOM Advising Office
Jindal School of Management
The University of Texas at Dallas, SM20
800 West Campbell Road
Richardson, TX 75080-3021
Phone: 972-883-2750
Office: JSOM 2.250
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 9,000 with almost half who 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 70 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 (2021) ranks the school’s Full-Time MBA program at No. 33 (tied) in the nation and tied for No. 12 (tied) among public university programs in the United States. In the same ranking, the publication places the Professional (Part-Time) MBA at No. 19 (tied) 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.

### JSOM Graduate Programs

<table>
<thead>
<tr>
<th>Program</th>
<th>Type</th>
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<tbody>
<tr>
<td>Accounting</td>
<td>MS</td>
</tr>
<tr>
<td>Business Administration</td>
<td>MBA**</td>
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<tr>
<td>Business Analytics</td>
<td>MS</td>
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<tr>
<td>Energy Management</td>
<td>MS</td>
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<tr>
<td>Finance</td>
<td>MS</td>
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<tr>
<td>Financial Technology and Analytics</td>
<td>MS</td>
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<tr>
<td>Healthcare Leadership and Management</td>
<td>MS</td>
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<tr>
<td>Information Technology and Management</td>
<td>MS</td>
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<tr>
<td>Innovation and Entrepreneurship</td>
<td>MS</td>
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<tr>
<td>International Management Studies</td>
<td>MS PhD</td>
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<tr>
<td>Leadership and Organizational Development</td>
<td>MS</td>
</tr>
<tr>
<td>Management Science*</td>
<td>MS PhD</td>
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<tr>
<td>Marketing</td>
<td>MS</td>
</tr>
<tr>
<td>Supply Chain Management</td>
<td>MS</td>
</tr>
<tr>
<td>Systems Engineering and Management***</td>
<td>MS</td>
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</tbody>
</table>

* 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.

Contact Information

**Office of Admission and Enrollment**
800 West Campbell Road
Richardson, TX 75080-3021
Phone: 972-883-2270 or 1-800-889-2443
Email: interest@utdallas.edu
Website: utdallas.edu/enroll

**Recruitment Team**
Naveen Jindal School of Management SM40
800 West Campbell Road
Richardson, TX 75080-3021
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Website: jindal.utdallas.edu

800 W Campbell Rd, Richardson, TX 75080
www.utdallas.edu
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 Global Business
- Center for Healthcare Leadership and Management
- Center for Information Technology and Management
- Center for Intelligent Supply Networks
- 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
- Herbert D. Weitzman Institute for Real Estate
- Institute for Excellence in Corporate Governance
- Institute for Innovation and Entrepreneurship

[link to 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 24 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

[link to career website]

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.”