# Data Science for Engineering Systems (DSES) MEng Program



## Boost Your Career with Data-Driven Decision Making at MIT

Unlock your potential with the MIT Master of Engineering (MEng) in Data Science for Engineering Systems, where data-driven decision-making meets cutting-edge research and real-world applications. This immersive, nine-month, hands-on learning experience is designed to equip you with cutting-edge skills in data-driven decision making, AI for strategic planning and operational analytics.

You will work alongside world-renowned faculty and industry leaders specializing in data analytics, AI, and Generative AI.

The program's curriculum is designed to equip you with critital thinking skills for analysis of complex data, the ability to identify value-creating opportunities using strategic planning and operational analytics, and experience in applying modeling, simulation, and optimization techniques in complex environments.

Through real-world projects and case-studies you will gain practical experience in:
- Operational analytics and real-time decision-making.
- Leveraging machine learning for complex design problems.
- Applying AI-driven insights to sustainability, climate resilience, and infrastructure challenges.

### Hands-On Learning, Specialty Courses & World-Class Research
- Engage in project-based studio classes, where you'll solve real-world problems using data analytics and machine learning.
- Collaborate with leading MIT faculty and industry leaders through seminars, case studies, and research work.
- Choose from a range of specialty courses in Business and Operations Analytics, Machine Learning for Sustainable Systems, Supply Chain and Demand Analytics, Advancing Machine Learning for Mechanics and Materials, and Engineering Software Systems
- Explore Generative AI applications in decision-making processes, from demand forecasting to supply chain optimization to engineering systems design.

### Career Opportunities
This is your opportunity to shape the future of industries like Energy, Transportation & Urban Mobility, Supply Chain & Logistics, Intelligent Infrastructure, and Sociotechnical Systems. The program will prepare you for high-impact roles such as:
- Data Scientist in energy systems and transportation networks.
- Supply Chain Strategist leveraging AI-driven decision-making.
- Sustainability Officer focused on climate resilience.
- Infrastructure Systems Engineer designing resilient, future-ready structures.

Whether you are a recent graduate or a practicing engineer or scientist, the program will allow you to leverage data-driven decision-making to drive sustainable growth and climate resilience in your professional career.

**Apply Today**: Applications close on December 1. Start your journey in data-driven transformation and become a leader in building a smarter, more resilient world.

Learn more about the DSES MEng Program:

Questions: Contact cee-admissions@mit.edu