Master of Business Analytics

DEEP DIVE INTO DATA SCIENCE

fill out inquiry form
The rigor of the MIT Sloan Master of Business Analytics (MBAn) program prepares students for careers that apply and manage modern data science to solve critical business challenges. The 12-month program is designed to give you fundamental analytics skills, cutting-edge business knowledge, and ways to lead innovative thinking in today’s organizations.

6 Fundamental Core Subjects
1 Analytics Capstone Project
1 Analytics Software Tools Seminar
3-4 Focused Analytics Electives

The highlight of the MBAn program is the MIT Analytics Capstone Project, which gives students opportunities to work on real-life data science problems with industry practitioners.

Sample Capstone Project Companies:

“In the era of big data, the demand for skilled practitioners who understand how to mine and analyze the vast amount of digital data that’s being created is a well-known challenge. In recognition of this need for innovation and excellence in analytics, our Master of Business Analytics program is based on cutting-edge research and leverages the intellectual resources of MIT.”

David Schmittlein, John C. H. III Dean

FROM INSIGHT TO ACTION

ANALYTICS CAPSTONE PROJECT
MIT Sloan alumni are a valuable resource for making professional connections and gaining insight into what it takes to become a true leader. Our graduates are leading nations, conducting cutting-edge research, and heading up organizations that are changing the world. You will find yourself immersed in a community that thrives on building genuine relationships, offering support, and celebrating success.

“Through this program, I’ve been able to take classes which have improved my technical analysis skills, as well as do capstone projects that solve challenging problems in consulting, marketing, and industry. In addition, I was particularly impressed with the professional and friendly faculty, networking opportunities, and the collaboration with students from different programs.”

Yifei Huang, MBAn 2017

**PROGRAM COMPONENTS**

The full-time, year-long program is divided into three semesters: fall, spring, and a summer capstone.

<table>
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<th>Late August</th>
<th>Fall (September - December)</th>
<th>January</th>
<th>Spring (February - May)</th>
<th>Summer</th>
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**Orientation + Software Tools**

- Required Core:
  - Machine Learning (H1)
  - From Analytics to Action (H2)
  - Applied Probability & Stochastic Models
- Linear Optimization
- Analytics Edge*
- Analytics Lab
- Software Tools (Taught in R & Julia)

* Analytics Edge is also offered as an online course through edX

**Focused Analytics Electives:**

- Operations Management
- Analytics of Finance
- Information Design
- Digital Marketing
- Economics of Information
- Logistics Systems
- Nonlinear Optimization
- Applied Machine Learning
- Media Ventures
- System Dynamics
- And more...

**Required:** Analytics Capstone Project (Jan-Aug)

**INTEGRATE & COLLABORATE**

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Yifei Huang, MBAn 2017

**MIT SLOAN PORTFOLIO OF PROGRAMS**

The School provides educational opportunities for leaders through all stages of their careers.

- MBA, Master of Finance (MFin), Master of Business Analytics (MBAn), Leaders for Global Operations (LGO), MIT Executive MBA, Sloan Fellows Program, Undergraduate Program, PhD

**ALUMNI NETWORK**

130k MIT Alumni
24k MIT Sloan Alumni
In over 90 countries
MIT Sloan is committed to providing a welcoming environment for every member of our community, and resources and activities that facilitate professional growth and social interaction. We support a range of organizations that bring together students with shared passions to promote a culture of diversity and inclusion.

Every MBAn student benefits from specialized career training with a dedicated career advisor. From resume writing to interviewing training to LinkedIn workshops and networking nights, we will work with you to make sure you are fully prepared for your career search.

"Being a part of the MIT MBAn program has allowed me to use my analytics skills in real-life settings. It is amazing to be able to bridge theoretical classroom knowledge with practical experiences in real projects both through the capstone project and the Master of Business Analytics program."

Karoline Skatteboe, MBAn 2017

"My capstone project with McKinsey has been a huge success. Surrounded by faculty and PhD mentors from the Operations Research Center who care deeply about the outcome of the project, I feel extraordinarily set up to succeed."

Eric Green, MBAn 2017

60+ Active Student Clubs
20 Professional Industry Conferences
50 MIT + MIT Sloan Operations Research Center Affiliated Faculty and Senior Staff
More than 4,000 MIT and MIT Sloan alumni across industries have volunteered to share their wealth of experience as professional mentors.

MBAn CLASS OF 2018 PROFILE

- **Gender Diversity**
  - Male: 67%
  - Female: 33%

- **Undergraduate Majors**
  - Math
  - Economics
  - Computer Science
  - Electrical Engineering
  - Finance
  - Physics
  - Mechanical Engineering
  - Industrial Engineering

- **Countries Represented**
  - Canada, China, France, Germany, Hong Kong, India, Mexico, Morocco, Netherlands, Singapore, Taiwan, USA

- **Median GRE Quant.**
  - 168

- **Median GPA**
  - 3.9

- **Class Size**
  - 30

- **International**
  - 57%

- **US Citizen/Permanent Resident**
  - 43%

- **Average Work Experience**
  - 2 years

- **Years**
  - 2

- **Average Work Experience**
  - 43%

**Analytics Capstone Project**

Over a period of seven months, student teams work closely with companies and faculty to design and deliver a project to host organizations using advanced analytics techniques. The culmination of the project is a guaranteed summer internship.

- **September-November:** Companies submit project proposals; faculty review projects
- **January:** Pitch Day and matching of students to projects
- **February-May:** Students work on Capstone projects on MIT campus
- **June-August:** Students work on-site at company location for a 10-week full-time internship
- **Late August:** Capstone Showcase
- **September:** Students graduate

**West Coast Data Science Trek, sample companies:**
- Airbnb, Amazon, Ancestry.com, Boeing, Google, IBM Watson, LinkedIn, Lyft, Netflix, Nintendo, Nordstrom, Quora, StubHub, Tableau, Tesla, Twitter, Zillow

**Analytics Career Night, sample companies:**
- Barclays, Base, BCG, Digitas, Disney, Google, Lyft, Mayo Clinic, McKinsey, MGH, Oliver Wyman, Putnam, PwC, Santander, TripAdvisor, Wayfair

**Business Analytics Speaker Series:**
- Industry Experts in Analytics
"I think the biggest strength of the program comes through a perfectly balanced mixture of theory and application, delivered through technical core classes and real life projects where you can actually put your knowledge into action. On top of that, you can choose from a wide variety of electives to satisfy any additional interests or explore new areas of opportunity towards building your career."

Lorena Dominguez Ponce, MBA 2017