

Sloan School of Management

Course 15

Management at MIT

The MIT Sloan School of Management (Course 15) offers three undergraduate degree programs: management, business analytics, and finance. These three degrees allow students flexibility and choice in the area they are interested in pursuing. All three degrees have a solid foundation that gives students the tools necessary for deeper study. Knowing the answers, though, is not enough. We want students to bring their ideas into the world. In order to do this, there is a focus on learning how to explain and share knowledge and inventions and collaborate with others to build on them. Sloan undergraduates are prepared to understand how their role and the knowledge they explore and gain fits into the goals of their organization.

Unique among business schools, MIT undergraduates take some elective subjects alongside Sloan master's students and other graduate students. This arrangement provides an excellent opportunity for undergraduates to learn from students with previous business experience and offers a distinct classroom experience.

Undergraduate Programs

SB in Management (15-1)

The Bachelor of Science in Management provides students with an innovative business education that is comprehensive and flexible. Students begin with coursework that builds a strong foundation in probability and statistics, managerial communication, managerial psychology, microeconomics, and accounting. They augment this foundation by selecting two restricted electives in core business functions: finance, operations management, marketing, and strategy. Students then tailor the remainder of their program by selecting five electives to go into depth in an individualized concentration area. The Undergraduate Education Office and the Course 15 advisor provide guidance and approval for the concentration to ensure students achieve a coherent focus.

SB in Business Analytics (15-2)

The Bachelor of Science in Business Analytics' core curriculum focuses on the fundamental methodologies in the discipline of business analytics: computation, probability, statistics, optimization, machine learning,

and stochastic (probabilistic) modeling. In addition, in the core curriculum, we emphasize the skills to effectively communicate quantitative concepts in today's world.

After students have completed the core requirements, they have the flexibility to choose how to further develop business analytic skills. Students can study additional methodologies such as artificial intelligence, systems dynamics, and game theory. Students can take advanced subjects in probability, statistics, and optimization. Students can study how analytics is applied in content areas such as transportation, marketing, and finance. And they can refine their practical skills further by taking courses that include projects.

SB in Finance (15-3)

The Bachelor of Science in Finance is designed to train students for careers that focus on the theory and application of the tools of modern finance. The curriculum provides a theoretical foundation in managerial finance, corporate finance, and investments and requires students to complete laboratory and communications subjects to ensure they have the ability to apply the tools of finance to industry. The restricted electives permit students flexibility to select the rest of their program from advanced topics in and topics complementary to finance. This combination of training in quantitative techniques with practical, hands-on business problem solving is in high demand in the finance industry.

Minor in Management

The Minor in Management provides undergraduates with an understanding of the economic, business, social, and organizational dimensions of scientific and technological enterprise. The Minor in Management comprises three required subjects and three electives.

Minor in Business Analytics

The Minor in Business Analytics introduces undergraduates to the techniques of data analysis and their application to practical business problems. Its focus

reflects the core content of the SB degree program in business analytics. The Minor in Business Analytics comprises three required subjects and three electives.

Minor in Finance

The Minor in Finance provides undergraduates in other with an understanding of the major areas of finance – corporate finance and investments. The minor will prepare students to understand the different roles in financial industries and how to apply their major course of study to succeed in these fields. The Minor in Finance comprises three required subjects and two electives.

Taking a Course 15 class

All MIT undergraduates are welcome to take Sloan classes, whether or not they are pursuing a Sloan major or minor. Course 15 subjects may be taught at the undergraduate or graduate level. Undergraduates are welcome to take graduate subjects as long as they meet the class prerequisites and the course isn't restricted to a Master's students as part of their core curriculum

Post-Baccalaureate Opportunities

Some of our graduates pursue an advanced degree immediately after graduation, but most go directly into the work force. Both MIT and Sloan have built strong reputations with companies and recruiters. Some recent graduates have joined large, private-sector companies; others have chosen to work for smaller private or entrepreneurial organizations, or in the non-profit sector. Some have gone to work on Wall Street, others have become management consultants, software developers, or started their own businesses. Whatever path they take, our graduates are well prepared with the skills needed to succeed both in their careers and personal lives.

Contact Information

For more information about undergraduate programs available within the Sloan School of Management, please contact:

MIT Sloan School of Management
Office of Undergraduate Education
50 Memorial Drive, E52-154
Cambridge, MA 02142
Telephone: 1-617-253-8614
Email: ugeducation@sloan.mit.edu
Web: <http://mitsloan.mit.edu/undergrad>

The MIT Course Catalog contains further information on the Institute, including all graduate and undergraduate courses and programs. Please visit the MIT Course Catalog website for more details at <http://web.mit.edu/catalog/index.html>.

2016