

Management Science

Course 15

Management Science at MIT

The undergraduate program in management science offers an education that can be found only at MIT: technological expertise with a managerial focus. MIT's General Institute Requirements, combined with Sloan's management science curriculum, provide a cutting-edge program especially designed to prepare students for top jobs in today's technology-intensive business world.

Undergraduate Programs

SB in Management Science

Unlike undergraduate programs in business or management at other universities, our management science curriculum has an analytical and quantitative focus. The curriculum provides extensive instruction in the disciplines of optimization, mathematical modeling, and probabilistic and statistical analysis. We also offer classes in subject areas you would expect to find in a more traditional management program, such as economics, accounting, communication, and managerial psychology. Our majors take some graduate-level Sloan subjects alongside MBA and other graduate students.

The management science undergraduate curriculum provides training in the skills needed to solve complex problems that occur in the management of marketing, operations, finance, and technology and innovation. Sloan undergraduates learn a combination of technical and managerial skills: decision analysis, problem solving, communication and interpersonal skills, mathematical analysis and modeling, teamwork and cohort building, negotiation, and computer programming.

In addition to taking management science core curriculum subjects, students also complete a concentration in one of four areas: Finance, Information Technology, Marketing Science, or Operations Research.

Minor in Management

The Minor in Management provides students in other MIT majors 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 Management Science

The Minor in Management Science introduces undergraduates in other MIT majors to the techniques of quantitative business analysis and their application to practical problems. The Minor in Management Science is comprised of four required subjects and two electives.

Research and Other Opportunities

A Sloan education is more than what takes place in our state-of-the-art classrooms and computer facilities. It can also include hands-on experience in the Sloan Trading Room, working closely with a faculty mentor on a research project through the Undergraduate Research Opportunities Program (UROP), participating in the student-run Sloan Business Club (SBC), or undertaking a summer internship.

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 the undergraduate programs available within the Sloan School of Management, please contact:

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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>.

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