

BUSINESS ANALYTICS (COURSE 15-2)

Management Programs (<http://catalog.mit.edu/schools/sloan-management>)

Bachelor of Science in Business Analytics

General Institute Requirements (GIRs)

The General Institute Requirements include a Communication Requirement that is integrated into both the HASS Requirement and the requirements of each major; see details below.

| Summary of Subject Requirements | Subjects |
|---|-----------|
| Science Requirement | 6 |
| Humanities, Arts, and Social Sciences (HASS) Requirement; at least two of these subjects must be designated as communication-intensive (CI-H) to fulfill the Communication Requirement. | 8 |
| Restricted Electives in Science and Technology (REST) Requirement [can be satisfied by 15.053 and 18.600 in the Departmental Program] | 2 |
| Laboratory Requirement (12 units) [can be satisfied by 15.075[]] in the Departmental Program] | 1 |
| Total GIR Subjects Required for SB Degree | 17 |

Physical Education Requirement

Swimming requirement, plus four physical education courses for eight points.

Departmental Program

Choose at least two subjects in the major that are designated as communication-intensive (CI-M) to fulfill the Communication Requirement.

| Required Subjects | Units |
|--|-------|
| 6.01 Introduction to EECS via Robotics ¹ | 12 |
| 6.036 Introduction to Machine Learning | 12 |
| 15.053 Optimization Methods in Business Analytics | 12 |
| 15.075[] Statistical Thinking and Data Analysis | 12 |
| 15.079 Introduction to Applied Probability or 18.600 Probability and Random Variables | 12 |
| 15.276 Communicating with Data (CI-M) | 12 |
| 15.780 Stochastic Models in Business Analytics | 12 |
| <i>Select one of the following:</i> | 12-15 |
| 15.279 Management Communication for Undergraduates (CI-M) | |

15.301 Managerial Psychology Laboratory (CI-M)

15.417 Laboratory in Investments (CI-M)

Restricted Electives

Select five subjects from the lists below. At least three of the subjects must be from Course 15. ^{2,3} 48-60

Units in Major 144-159

Units in Unrestricted Electives 57-60

Units in Major That Also Satisfy the GIRs (24-36)

Total Units Beyond the GIRs Required for SB Degree 180

The units for any subject that counts as one of the 17 GIR subjects cannot also be counted as units required beyond the GIRs.

¹ 6.00 or the sequence of 6.0001 and 6.0002 may be substituted for 6.01, provided students complete 6.041A and 6.041B, 15.079, or 18.600 prior to registering for 6.036.

² Consult Sloan Undergraduate Education Office about substitutions.

³ Two six-unit subjects count as one elective.

Restricted Electives

Select three to five of the following:, CI-M

15.0251 Game Theory for Strategic Advantage ¹ 9

15.0341 Metrics for Managers 9

15.0621 Data Mining: Finding the Data and Models that Create Value 6

15.0711 The Analytics Edge 12

15.0741 Predictive Data Analytics and Statistical Modeling 9

15.6731 Negotiation Analysis 6

15.7611 Introduction to Operations Management 9

15.812 Marketing Management 9

15.8741 System Dynamics for Business Policy 12

Select up to two of the following:, CI-M

1.022 Introduction to Network Models ¹ 6

1.041 Transportation Systems Modeling ¹ 12

6.034 Artificial Intelligence 12

6.050[] Information, Entropy, and Computation 9

9.40 Introduction to Neural Computation ¹ 12

9.66[] Computational Cognitive Science 12

14.12 Economic Applications of Game Theory ¹ 12

14.15[] Networks 12

14.32 Econometric Data Science ¹ 12

¹ Subject has prerequisites that are outside of the program.