# 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[J] 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[J] | Statistical Thinking and Data Analysis | 12 |
| 15.079 or 18.600 | Introduction to Applied Probability Probability and Random Variables | 12 |
| 15.276 | Communicating with Data (CI-M) | 12 |
| 15.780 | Stochastic Models in Business Analytics | 12 |
| *Select one of the following:* | | 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[J] | Information, Entropy, and Computation | 9 |
| 9.40 | Introduction to Neural Computation [1] | 12 |
| 9.66[J] | Computational Cognitive Science | 12 |
| 14.12 | Economic Applications of Game Theory [1] | 12 |
| 14.15[J] | Networks | 12 |
| 14.32 | Econometric Data Science [1] | 12 |

[1]  Subject has prerequisites that are outside of the program.