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	Introduction to Applied Probability	12
or 18.600	Probability and Random Variables	
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.*