BUSINESS ANALYTICS (COURSE 15-2)

Management Programs (*https://catalog.mit.edu/schools/sloan-management/management/#bachelor-science-business-analytics*)

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 from among 6.100A/6.100B, 6.1200[J], 14.30, 18.05, 18.06, and 15.053 or 15.069 in the Departmental Program]	2
Laboratory Requirement (12 units) [can be satisfied by 15.076 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
6.100A	Introduction to Computer Science Programming in Python	6
6.1010	Fundamentals of Programming	6-12
or 6.100B	Introduction to Computational Thinking and Data Science	
6.3900	Introduction to Machine Learning	12
or 15.0711	The Analytics Edge	
15.053	Optimization Methods in Business Analytics	12
15.076	Analytics for a Better World	12
15.276	Communicating with Data (CI-M)	12
15.780	Analytics of Operations Management	12
Select one of the following:		12-15
15.301	People, Teams, and Organizations Laboratory (CI-M)	
15.312	Organizational Processes for Business Analytics (CI-M)	
Select one of the following:		12
15.069	Applied Probability and Statistics	
14.30	Introduction to Statistical Methods in Economics	
18.05	Introduction to Probability and Statistics	
Restricted Electives		
Select five subjects from the lists below. At least three of the subjects must be from Course 15. [1, 2]		45-63
Units in Major		**141-168**
Units in Unrestricted Electives		**48-84**
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 *Two six-unit subjects count as one elective.*

2 *Consult the Sloan Office of Undergraduate Education regarding additional options.*

Restricted Electives		
Select two to five of the following:		
15.0161[J]	Climate and Energy in the Global Economy	12
15.0251	Game Theory for Strategic Advantage [1]	9
15.0341	Econometrics for Managers: Correlation and Causality in a Big Data World	9
15.037[J]	Energy Economics and Policy	12
15.0621	Data Mining: Finding the Models and Predictions that Create Value	6
15.0711	The Analytics Edge [2]	12
15.6731	Negotiation Analysis	6
15.7611	Introduction to Operations Management	9
15.8141	Marketing Innovation	9
15.8731	System Dynamics: Tools for Solving Complex Problems	9
15.874[J]	People and the Planet: Environmental Governance and Science	9
15.C08[J]	Causal Inference	12
15.C571[J]	Optimization Methods	12
Select up to one of the following:		

15.417	Laboratory in Investments	15
15.501	Corporate Financial Accounting	12
15.9001	Competitive Strategy	9
Select up to two of the following:		
1.041[J]	Transportation: Foundations and Methods [1]	12
6.1200[J]	Mathematics for Computer Science	12
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	12
18.06	Linear Algebra	12
18.C06[J]	Linear Algebra and Optimization	12
18.615	Introduction to Stochastic Processes	12
IDS.012[J]	Statistics, Computation and Applications	12

1 *Subject has prerequisites that are outside of the program.*

2 *15.0711 can count as a Required Subject or as a Restricted Elective, but not both.*