

Name: _____

ID#: _____

Term Admitted: _____

Eighteen units must be in the major earned in the ISE Department.

Twenty One units must be at 500 level or above.

Graduate courses used toward a degree completed elsewhere may not be applied toward a master's degree at USC. If courses were not used toward a completed degree, the maximum number of transfer credits that may be applied towards a 30 unit master's degree, subject to departmental approval, is four units.

Required Prerequisite Courses

- Linear Algebra & Diff. Eq. (e.g. Math 225)
- Multi-variate Calculus (e.g., Math 226)
- Computer Programming
- Calc-Based probability and Statistics (e.g., ISE 220, ISE 225)

MAJOR - REQUIRED COURSES – 15 Units

Semester	Course	Prerequisite
	INF 559 Introduction to Data Management (3)	
	ISE 529 Engineering Data Analytics (3, FaSp)	
	ISE 530 Optimization Methods for Analytics (3, FaSp)	
	ISE 533 Integrative Analytics (3, Sp)	ISE 529, ISE 530
	ISE 562 Value and Decision Theory (3, Fa)	

Select one course from Group A – 3 Units

Group A:

Semester	Course	Prerequisite
	ISE 538 Markov Models for Performance Analysis (3, SP)	ISE 225
	ISE 580 Performance Modeling with Simulation(3, FaSp)	

Electives – 12 units, subject to approval by advisor –

Semester	Course	Prerequisite
	2 Elective – ISE, INF or CSCI (6 units)	
	2 Electives (6 units)	

Master of Science in Analytics
Total 30 units