

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

Computing

Linear Algebra & Diff. Eq. (e.g. Math 225)

Probability & Statistics (e.g. ISE 220, ISE 225)

Engr. Economy (e.g. ISE 460)

MAJOR - REQUIRED COURSES – 12 Units

Semester	Course	Prerequisite
	ISE 513 – Inventory Systems (3, Sp)	
	ISE 514 – Advanced Production Planning and Scheduling (3, FaSp)	
	ISE 515 – Engineering Project Management (3, FaSpSm)	
	ISE 583 – Enterprise Wide Information Systems (3, FaSpSm)	

Select one course from the following Groups – 9 unit

Group A:

Semester	Course	Prerequisite
	ISE 525 – Design of Experiments (3, FaSp)	ISE 225
	ISE 527 – Quality Management for Engineers (3, FaSp)	

Group B:

Semester	Course	Prerequisite
	ISE 530 – Optimization Methods for Analytics (3, FaSp)	
	ISE 536 – Linear Programming and Extensions (3, Fa)	MATH 225 or EE 441

Group C:

Semester	Course	Prerequisite
	ISE 538 – Markov Models for Performances Analysis (3, Fa)	
	ISE 580 – Elements of Stochastic Processes (3, FaSp)	

Electives – 9 units, subject to approval by advisor

Semester	Course	Prerequisite

***Master of Science in Industrial & Systems Engineering
Total 30 units***