

MASTER OF SCIENCE, SYSTEMS ENGINEERING DEGREE PLAN
Department of Operations Research and Engineering Management (OREM)

SMU ID #	_____	Name	_____
E-mail Address	_____	Cohort # (if applicable)	_____

CORE COURSES (21 Hours)		Instructor	Hours	Term	Grade
1. OREM 7301	Systems Engineering Process		3		
2. OREM 7370 ¹	Probability and Stats for Data Analytics		3		
3. OREM 7321	Systems Engineering Planning and Management		3		
4. OREM 7303 ²	Integrated Risk Management		3		
5. OREM 7300 or OREM 7357	Systems Analysis Methods Analytics for Decision Support		3		
6. OREM 7309 ³	Systems Reliability Engineering		3		
7. OREM 7311	Systems Engineering Design, (w/ Integration and Test Introduction)		3		

NOTE: Courses do not need to be taken in this order as long as prerequisite courses are taken prior to the requiring course. Bolded courses are part of the Academic Equivalency Program to qualify for INCOSE's Systems Engineering Professional Certification. Discuss this program with the MSSE Program Director, if interested.

¹Prerequisites: Knowledge of calculus. ²Prerequisite: Knowledge of systems engineering. ³ Prerequisite: OREM 3340/STAT 4340 or OREM 7370 or equivalent

ELECTIVE COURSES (9 Hours)*		Instructor	Hours	Term	Grade
1.			3		
2.			3		
3.			3		
Total Hours Required			30		

*Students should take a minimum of 6 hours offered by the OREM department. However, a maximum of 9 hours can be recognized from any Lyle School graduate courses with approval from the MSSE Program Director. Concentration courses must be discussed and approved by the MSSE program director prior to routing this form for degree plan approval.

APPROVED

Program Director/Advisor	Date	OREM Department Chair	Date
Director of Grad Studies		Date	

All Lyle graduate degrees must be completed within a 7-year window. Most courses are offered during alternating semesters to allow some flexibility. Sample tracks for completion are shown below:

Fall - 2 courses Spring - 2 courses Fall - 2 courses Spring - 2 courses Fall - 2 courses Graduation in Fall term (2.5 years)	Fall - 1 course/Spring - 1 course - year 1 - 2 courses Fall - 1 course/Spring - 1 course - year 2 - 2 courses Fall - 1 course/Spring - 1 course - year 3 - 2 courses Fall - 1 course/Spring - 1 course - year 4 - 2 courses Fall - 1 course/Spring - 1 course - year 5 - 2 courses Graduation in Spring term of year 5
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