SMU Lyle School of Engineering

MASTER OF SCIENCE IN INFORMATION ENGINEERING AND MANAGEMENT (MSIEM) DEGREE PLAN

SMU ID #		Name	
Home Address		Home Phone	
Business Address		Business Phone	
SMU E-mail			

CORE COURSES (15 hours)	Course Title	Instructor	Hours	Term	Grade
1. OREM 7352	Information System Architecture		3		
2. OREM 7353	Information System Design Strategies		3		
3. OREM 7357	Analytics for Decision Support		3		
4. OREM 7360	Management of Information Technologies		3		
5. OREM 7370	Probability and Stats for Analytics		3		

Notes:
Core Course #5 may be either OREM 8360 Operations Research Models or OREM 7300 Systems Analysis Methods or OREM 7370 Probability and Statistics for Scientists and Engineers.

SPECIALTY COURSES (6 hours)*

1.			3		
2.			3		

*Specialty courses must be selected from the following: OREM 7331 Data Mining, OREM 7361 Computer Simulation Techniques, OREM 8360 Operations Research Models, or OREM 8356 Global Perspectives for Information Engineering.

CONCENTRATION ELECTIVES (9 hours, approved by advisor)

1.			3		
2.			3		
3.			3		

TOTAL REQUIRED HOURS 30

APPROVED: _____ _____
Advisor Date OREM Department Chair Date

_____
Director of Graduate Division Date

Visit http://www.smu.edu/Lyle/Departments/OREM/Courses for the Lyle School Graduate Catalog.

All Lyle graduate degrees must be completed within a 7 year window. Most courses are offered during alternating semesters to allow some flexibility. 2 sample timelines for completion are provided

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

Example Concentrations

Data Analytics
OREM 7331 Data Mining
OREM 8331 Advanced Data Mining
OREM 7361 Computer Simulation Techniques

Operations
OREM 7365 Program and Project Management
OREM 7366 Marketing Engineering
OREM 7361 Computer Simulation Techniques or OREM 8360 Operations Research Models

Engineering Management
OREM 7365 Program and Project Management
OREM 8362 Engineering Accounting
OREM 8364 Engineering Management

Systems Engineering
OREM 7301 Systems Engineering Process
OREM 7303 Integrated Risk Management
OREM 7305 Systems Reliability and Availability Analysis