

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(21 hours)	Course Title	Instructor	Hours	Term	Grade
1. OREM7352	Information System Architecture		3		
2. OREM7353	Information System Design Strategies		3		
3. OREM7357	Analytics for Decision Support		3		
4. OREM7360	Management of Information Technologies		3		
5. OREM7370	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 Techniques,

OREM 8360 Operations Research Models OR OREM 8356 Global Perspectives for Information Engineering.

CONCENTRATION ELECTIVES (9 hours, approved by advisor)

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<http://www.smu.edu/Lyle/Department/OREM/Courses> for the Lyle School Graduate Catalog

<p>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</p>	<p>Fall - 2 courses Spring- 2 courses Fall - 2 courses Spring- 2 courses Fall - 2 courses Graduation in Fall term (2.5 years)</p>	<p>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</p>
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Example Concentrations

Data Analytics

OREM7331 Data Mining

OREM8331 Advanced Data Mining

OREM7361 Computer Simulation Techniques

Operations

OREM7365 Program and Project Management

OREM7366 Marketing Engineering

OREM7361 Computer Simulation Techniques OREM8360 Operations Research Models

Engineering Management

OREM7365 Program and Project Management

OREM8362 Engineering Accounting

OREM8364 Engineering Management

Systems Engineering

OREM7301 Systems Engineering Process

OREM7303 Integrated Risk Management

OREM7305 Systems Reliability and Availability Analysis