MASTERS OF SCIENCE IN ENGINEERING MANAGEMENT (MSEM) DEGREE PLAN
GRADUATE DIVISION - SMU SCHOOL OF ENGINEERING

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

CORE COURSES (15 hours)

1. EMIS 7300 EMIS 7357	Systems Analysis Methods, or Analytics for Decision Support		3		
2. EMIS 7301	Systems Engineering Process		3		
3. EMIS 7362	Production Systems Engineering		3		
4. EMIS 7370	Probability & Statistics for Scientists & Engineers		3		
5. EMIS 8364	Engineering Management		3		

ENGINEERING ECONOMICS, ACCOUNTING, and FINANCE COURSES (6 hours)*

1. EMIS 8362	Engineering Accounting		3		
2. EMIS 8363	Engineering Finance		3		

***Select Two Courses from: EMIS 8361 Engineering Economics and Decision Analysis, EMIS 8362 Engineering Accounting, and EMIS 8363 Engineering Finance**

CONCENTRATION ELECTIVES (9 hours, approved by advisor, see next page for examples)

1.			3		
2.			3		
3.			3		

Total Hours Taken 30

Total Hours Required **30**

APPROVED: _____ _____

Advisor Date EMIS Department Chair Date

_____

Director of Graduate Division Date

NOTE: ANY REVISIONS MUST BE APPROVED BY ADVISOR, EMIS DEPT. CHAIR AND DIRECTOR OF GRADUATE DIVISION.

Visit http://www.smu.edu/Lyle/Departments/EMIS/Courses to download the Official Graduate Catalog for the Lyle School of Engineering.

Example Concentrations

Data Analytics

EMIS 7331 Data Mining
EMIS 7357 Analytics for Decision Support
EMIS 8331 Advanced Data Mining

Operations

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

Information Engineering

EMIS 7352 Information Systems Architecture
EMIS 7353 Information System Design Strategies
EMIS 7360 Management of Information Technologies

Systems Engineering

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