MASTERS OF SCIENCE IN OPERATIONS RESEARCH (MSOR) DEGREE PLAN
GRADUATE DIVISION - SMU SCHOOL OF ENGINEERING

SMU Student ID # _____   Name _____

Home Address _____   Home Phone _____

Business Address _____   Business Phone _____

E-mail Address _____   FAX Number _____

ARTICULATION COURSE(S) Course Title

		Instructor	Hours	Term	Grade
1.					
2.					

CORE COURSES (12 hours) Course Title

1. EMIS 737_					
2. EMIS 7362	Production Systems Engineering				
3. EMIS 8360	Operations Research Models				
4. EMIS 8371	Linear Programming				

DEPTH COURSES (9 hours)

1.					
2.					
3.					

CONCENTRATION ELECTIVES (9 hours, approved by advisor)

1.					
2.					
3.					
4.					

TOTAL HOURS _____

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. See catalog for acceptable courses.

1/2010

Degree Requirements (see also [Graduate Catalog](#))

The degree can be obtained by successfully completing thirty (30) term credit hours (TCH) of graduate courses with a minimum G.P.A. of 3.00 on a 4.00 scale.

1. *Probability and Statistics*
   One (1) of the following:

   - o   EMIS 7370 Probability and Statistics for Scientists and Engineers

   - o   EMIS 7377 Design and Analysis of Experiments

2. *Core Courses*

   - o   EMIS 7362 Production Systems Engineering

   - o   EMIS 8360 Operations Research Models

   - o   EMIS 8371 Linear Programming

3. *Depth Courses*
   Three (3) of the following:

   - o   EMIS 7361 Computer Simulation Techniques

   - o   EMIS 8361 Economic Decision Analysis

   - o   EMIS 8372 Queueing Theory

   - o   EMIS 8373 Integer Programming

   - o   EMIS 8374 Network Flows

   - o   EMIS 8378 Optimization Models for Decision Support

   - o   EMIS 8380 Mathematics of Optimization

   - o   EMIS 8381 Nonlinear Programming

4. *Concentration Area*
   The degree requires nine TCH from a second area. All courses must be from the same area and are subject to advisor approval. Acceptable areas include systems engineering, engineering management, information engineering, computer science, mathematics, statistics, business, economics, and telecommunications.