# MASTERS OF SCIENCE IN OPERATIONS RESEARCH (MSOR) DEGREE PLAN

**GRADUATE DIVISION - SMU SCHOOL OF ENGINEERING**

<table>
<thead>
<tr>
<th>SMU Student ID #</th>
<th>Name</th>
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<tbody>
<tr>
<td>Home Address</td>
<td>Home Phone</td>
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<tr>
<td>Business Address</td>
<td>Business Phone</td>
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<td>E-mail Address</td>
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## ARTICULATION COURSE(S)

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Instructor</th>
<th>Hours</th>
<th>Term</th>
<th>Grade</th>
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## CORE COURSES (12 hours)

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**

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APPROVED:  
Advisor Date  EMIS Department Chair Date  
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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.
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:
   - EMIS 7370 Probability and Statistics for Scientists and Engineers
   - EMIS 7377 Design and Analysis of Experiments

2. Core Courses
   - EMIS 7362 Production Systems Engineering
   - EMIS 8360 Operations Research Models
   - EMIS 8371 Linear Programming

3. Depth Courses
   Three (3) of the following:
   - EMIS 7361 Computer Simulation Techniques
   - EMIS 8361 Economic Decision Analysis
   - EMIS 8372 Queueing Theory
   - EMIS 8373 Integer Programming
   - EMIS 8374 Network Flows
   - EMIS 8378 Optimization Models for Decision Support
   - EMIS 8380 Mathematics of Optimization
   - 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.