MASTERS OF SCIENCE, SYSTEMS ENGINEERING (MSSE) — DEGREE PLAN
GRADUATE DIVISION – SMU SCHOOL OF ENGINEERING
Engineering Management, Information & Systems Department

Social Security #: ___________________ Name: ________________________________
Home Address: ___________________ Home Phone: _____________________
Business Address: _________________ Business Phone: ___________________
E-mail Address ___________________ Fax Phone: ________________________

ARTICULATION COURSE(S)  Course Title  Instructor  Hrs.  Semester  Grade
________________________________________________________________________
________________________________________________________________________

CORE COURSES (15 SCH)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Instructor</th>
<th>Hrs.</th>
<th>Semester</th>
<th>Grade</th>
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<tbody>
<tr>
<td>EMIS 7300</td>
<td>Systems Analysis Methods</td>
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<tr>
<td>EMIS 7301</td>
<td>Systems Engineering Process</td>
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<td>EMIS 7303</td>
<td>Integrated Risk Management</td>
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<tr>
<td>EMIS 7305</td>
<td>Systems Reliability, Supportability and Availability Analysis</td>
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<tr>
<td>EMIS 7307</td>
<td>Systems Integration and Test</td>
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SYSTEMS ENGINEERING TRACK (select and check one)

- System Engineering Technology Track [ ]
- Systems Engineering and Design Track [ ]
- Logistics & Supply Chain Management Track [ ]
- Systems Engineering Application Track [ ]

ELECTIVE COURSES
________________________________________________________________________
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________________________________________________________________________
________________________________________________________________________

TOTAL HOURS  30

APPROVED
Advisor / Date  EMIS Department Head / Date

Director of Graduate Division / Date

SEE BACK SIDE OF FORM FOR ACCEPTABLE COURSES.
1. Thirty (30) term-credit hours of graduate courses with a minimum graduate G.P.A. of 3.00 on a 4.00 scale.

2. Satisfactory completion of the core curriculum encompassing five (5) courses:
   - EMIS 7300 Systems Analysis Methods
   - EMIS 7301 Systems Engineering Process
   - EMIS 7303 Integrated Risk Management
   - EMIS 7305 Systems Reliability, Supportability and Availability Analysis
   - EMIS 7307 Systems Integration and Test

3. Satisfactory completion of one (1) of the following tracks:

   **Systems Engineering Technology Track**
   Satisfactory completion of following five (5) courses:
   - EMIS 7310 Systems Engineering Design
   - EMIS 7312 Software Systems Engineering
   - EMIS 7320 Systems Engineering Leadership
   - EMIS 7330 Systems Reliability Engineering
   - EMIS 7340 Logistics Systems Engineering

   **System Engineering and Design Track**
   Satisfactory completion of any five (5) of the following courses:
   - CSE 7365 Introduction to Numerical Analysis
   - CSE 7376 Introduction to Telecommunications
   - EE 7360 Analog and Digital Control Systems
   - EE 7362 Systems Analysis
   - EE 7370 Communications & Information Systems
   - EE 7374 Digital Image Processing
   - ME 7331 Advanced Thermodynamics
   - ME 7357 Optimized Mechanical Design
   - ME 7358 Design of Electronic Packaging
   - ME 8361 Multivariate Control System Design

   **Logistics & Supply Chain Management Track**
   Satisfactory completion of following three (3) courses:
   - EMIS 7330 Systems Reliability Engineering
   - EMIS 7340 Logistics Systems Engineering
   - EMIS 7362 Product & Operations Management

   **Systems Engineering Application Track**
   Satisfactory completion of five (5) electives, with the approval of the student's academic adviser, in one or more of the following concentrations (concentration must be in a different field from the undergraduate major):

   - Computer Engineering
   - Electrical Engineering
   - Environmental Engineering
   - Mechanical Engineering
   - Operations Research
   - Systems Engineering

   - Computer Science
   - Engineering Management
   - Information Engineering & Management
   - Manufacturing Engineering
   - Software Engineering
   - Telecommunications

07-26-2006