UNIVERSITY OF TEXAS ARLINGTON | DEPARTMENT OF INDUSTRIAL, MANUFACTURING, AND SYSTEMS ENGINEERING

Student Name: _____

ID: _____

Master of Science in Engineering Management – Degree Plan

Effective Fall 2021

Core Courses (18 credit hours) - Students should complete the core courses as soon as possible

Course	Prerequisites	Typically Taught	Semester Planned	Semester Completed	Grade Received
IE 5304 – Advanced Engineering Economy		Fall, Spring, Summer			
IE 5317 – Introduction to Statistics		Fall, Spring			
IE 6305 – Engineering Mgt I		Spring			
IE 6306 – Engineering Mgt II		Fall			
IE 5351 – Introduction to Systems Engineering		Fall			
IE 5346 – Technology Development and Deployment		Spring			

Application Courses (6 credit hours) – Students must complete 2 additional industrial engineering or business courses.

Course	Prerequisites	Typically Taught	Semester Planned	Semester Completed	Grade Received
ACCT 5307 – Measurement and Analysis for Business Decision Making		Fall, Spring			
IE 5301 – Introduction to Operations Research		Fall, Spring			
IE 5322 – Simulation and Optimization		Spring			
IE 5303 – Quality Systems		Fall			
IE 5329 – Production and Inventory Control		Fall			
IE 5334 – Logistics Distribution Systems		Spring			

Electives (6 credit hours) – Students must complete 2 additional graduate courses from the College of Engineering, the College of Science, or approved courses from the College of Business. Students may elect to pursue a Capstone Option under supervision of an IMSE faculty member by substituting a 3-hour elective course with a 3-hour capstone course.

	Course	Semester Planned	Semester Completed	Grade Received
Elective 1				
Elective 2				

Student Name: _____

ID: _____

Approved Elective Courses from the College of Business

Marketing

- MARK 5328 - Product Management

Operations Management*

- OPMA 5361 - Operations Management
- OPMA 5362 - Service Operation
- OPMA 5364 - Project Management
- OPMA 5368 - Global Supply Chain Management
- OPMA 5369 - Logistics Management

  * IE 5301 Introduction to Operations Research can be considered equivalent to OPMA 5361

Business Analytics**

- INSY 5336 - Python Programming
- INSY 5376 - Big Data Analytics (Pre-requisite INSY 5378)
- INSY 5377 - Web and Social Analytics (Pre-requisite BSTAT 5325 or equivalent)
- INSY 5378 - Data Science: A Programming Approach (Pre-requisite INSY 5336 and INSY 5339)
- INSY 5380 - Social Network Analysis (Pre-requisite 5336)

  ** IE 5317 - Introduction to Probability and Statistics can be considered equivalent to BSTAT 5325.

  ** IE 6318 - Data Mining can be considered equivalent to INSY 5339 - Principles of Business Data Mining.

Information Systems

- INSY 5375 - Management of Information Technologies
- INSY 5345 - Cloud Computing - Theory and Practice

Comprehensive Final Masters Exam for Non-Thesis Students – For course work and capstone students
☐ In your graduating semester, you must take and pass the Comprehensive Final Master's Exam before semester deadlines.

Graduation
☐ Prior to intended semester of graduation, verify with your Graduate Advisor that coursework requirements for degree have been met.
☐ Prior to deadline, apply to graduate through MyMav. You may also register for the College of Engineering Commencement Ceremony through MyMav, if you plan to participate.
☐ Student must submit Program of Work to their Graduate Advisor prior to advisor's deadlines. Students must pass all courses in the Program of Work.
☐ Prior to Graduate Advisor's deadline, student must submit a student Exit Survey.
☐ Student must maintain a program GPA and an overall UTA GPA of 3.0 in order to meet graduation requirements.
☐ Student must successfully complete their program of 30 credit hours with a grade of C or better in each course.

Advisor Notes