MS/MBA – Manufacturing Engineering Portion
PROGRAM PLANNING SHEET

Student Name: ________________________________  BU ID# ________________
Email Address: ________________________________
Advisor Name: ________________________________

Expected Graduation Date (circle month):  May  September  January  Year ________

Curricular Requirements
The program requires 32 credit hours, all of which must be at the 500 level or above.

1. Core Manufacturing Requirement – 16 credits
   (Selected from the approved list on the next page)

   Course/Semester/Grade ________________________________
   Course/Semester/Grade ________________________________
   Course/Semester/Grade ________________________________
   Course/Semester/Grade ________________________________

2. Engineering/Physical Elective – 4 credits
   (Any 500--- or 700---level engineering or physical science course)

   Course/Semester/Grade ________________________________

3. Mathematics Requirement – 4 credits
   (Selected from the approved list on the next page)

   Course/Semester/Grade ________________________________

4. Manufacturing Elective – 4 credits
   (Selected from the approved list on the next page)

   Course/Semester/Grade ________________________________

5. Manufacturing Industry Practicum – 4 credits

   ME 606 Practicum (Semester/Grade) ________________________________

Approved by:

________________________________  __________________________  __________________________
Core Manufacturing Courses
ME 510 Production Systems Analysis
ME 517 Product Development
ME 518 Product Quality
ME 560 Precision Machine Design
ME 584 Manufacturing Strategy

Mathematics Courses
EK 500 Probability with Statistical Applications
EK 501 Mathematical Methods I: Linear Algebra and Complex Analysis
EC 505 Stochastic Processes
MA 511 Introduction to Analysis I
MA 555 Numerical Analysis I
MA 561 Methods of Applied Mathematics I
ME 500 Engineering Mathematics
ME 512 Engineering Analysis
ME 542 Advanced Fluid Mechanics
ME 566 Advanced Engineering Mathematics
PY 501 Mathematical Physics

Manufacturing Elective Courses
ME 507 Process Modeling and Control
ME 514 Simulation for Manufacturing
ME 526 Simulation of Physical Processes
ME 535 Green Manufacturing
ME 555 MEMs: Fabrication and Materials
ME 579 Nano/Microelectronic Device Manufacturing
OB 712 Managing Organizations and People

* Of the eight courses used to satisfy the curricular requirements for the degree, a maximum of four may be from the following list of Engineering Management Courses:
ME 502 Invention
ME 517 Product Development
ME 525 Technology Ventures
ME 550 Product Supply Chain Design
ME 583 Product Management
ME 584 Manufacturing Strategy
ME 703 Managerial Cost Accounting
OB 712 Managing Organizations and People

Revised 10/5/16