The Master of Science in Product Design and Manufacture:
Non-Thesis Program Planning Sheet

Student Name: ___________________________  BU ID#_______________________________
Email Address: ___________________________  Advisor Name: ___________________________
Expected Graduation Date: ________________

Fill out sheet below with the courses you will use fulfill your MS requirements.
All instructions and explanations can be found on succeeding pages.

1) Core Requirements – 20 credits

<table>
<thead>
<tr>
<th>Course #</th>
<th>Course Name</th>
<th>Credits</th>
<th>Semester/Year</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>ME691^</td>
<td>Advanced Product Design</td>
<td>4</td>
<td>Fall ________</td>
<td>______</td>
</tr>
<tr>
<td>ME510*</td>
<td>Production Systems Analysis</td>
<td>4</td>
<td>Fall ________</td>
<td>______</td>
</tr>
<tr>
<td>ME537</td>
<td>Product Realization</td>
<td>4</td>
<td>Spring ______</td>
<td>______</td>
</tr>
<tr>
<td>ME584</td>
<td>Manufacturing &amp; Supply</td>
<td>4</td>
<td>Spring ______</td>
<td>______</td>
</tr>
<tr>
<td></td>
<td>Chain Strategy</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ME692</td>
<td>Advanced Product Design</td>
<td>4</td>
<td>Spring ______</td>
<td>______</td>
</tr>
</tbody>
</table>

2) Design & Manufacturing Requirement – 8 credits

<table>
<thead>
<tr>
<th>Course #</th>
<th>Course Name</th>
<th>Credits</th>
<th>Semester/Year</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>______</td>
<td>______</td>
<td>______</td>
</tr>
<tr>
<td></td>
<td></td>
<td>______</td>
<td>______</td>
<td>______</td>
</tr>
</tbody>
</table>

3) Engineering / Physical Science Elective – 4 credits

<table>
<thead>
<tr>
<th>Course #</th>
<th>Course Name</th>
<th>Credits</th>
<th>Semester/Year</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>______</td>
<td>______</td>
<td>______</td>
</tr>
</tbody>
</table>

4) Practicum – satisfied by ME537: Product Realization

Approved By:

__________________________________________  ________________________________________________
Advisor Signature  Date   Student Signature  Date
The Master of Science in Product Design and Manufacture Non-Thesis
Curricular Requirements

The program requires 32 credit hours at the 500-level or above. At least 20 credits must be ME courses. At least 24 credits must be taken at Boston University. To graduate, a cumulative grade point average of at least 3.0 (B) must be attained.

If necessary, student can take more than 32 credits and drop the lowest grade. Grades of C- or lower are not acceptable for master's degrees under any circumstance. Successful completion of a 3-credit course in the Questrom School of Business does not obviate the need to complete 32 credits. Students are permitted to take a single course multiple times to achieve the GPA requirement, but will only receive 4 credits if used against the degree requirements.

1. Core Requirements (20 credits)
All students are required to take and pass ENG ME510, ENG ME537, ENG ME584, ENG ME691, and ENG ME692 in order to receive their Master’s degree. These courses cover the fundamentals of the product design and manufacture program.

2. Design and Manufacture Electives (8 credits)
Each student must complete at least two of the 500-level or above courses in Design and Manufacturing listed below to fulfill the Design and Manufacture Requirement.

   **Fall Courses**
   - ME517 Product Development
   - ME555 MEMs: Fabrication and Materials
   - ME557 Additive Manufacturing
   - ME560 Precision Machine Design
   - ME579 Nano/Microelectronic Device Manufacturing*
   - ME538 Introduction to Finite Element Methods and Analysis

   **Spring Courses**
   - ME507 Process Modeling and Control*
   - ME518 Product Quality
   - ME526 Simulation of Physical Processes*
   - ME535 Green Manufacturing*
   - ME606 Industrial Practicum

2. Engineering and Physical Science Requirement (4 credits)
Each student must complete one graduate-level course in engineering and/or physical sciences to fulfill the Elective Requirement. This course may be taken in any department or division of the College of Engineering or in the College of Arts and Sciences. The advisor's approval must be obtained to count this course towards the Elective Requirement.

**Notes:**
1. ME691 must be taken as a pre-requisite for ME692.
2. Excluding ME502, ME517.
3. ME535 is typically not offered every year.
* Denotes class offered via distance learning.