

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

<u>Course #</u>	<u>Course Name</u>	<u>Credits</u>	<u>Semester/Year</u>	<u>Grade</u>
ME691 ¹	Advanced Product Design	4	Fall _____	_____
ME510*	Production Systems Analysis	4	Fall _____	_____
ME537	Product Realization	4	Spring _____	_____
ME584**	Manufacturing Strategy	4	Spring _____	_____
ME692	Advanced Product Design	4	Spring _____	_____

2) Design & Manufacturing Requirement – 8 credits

<u>Course #</u>	<u>Course Name</u>	<u>Credits</u>	<u>Semester/Year</u>	<u>Grade</u>
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

3) Engineering / Physical Science Elective –4 credits

<u>Course #</u>	<u>Course Name</u>	<u>Credits</u>	<u>Semester/Year</u>	<u>Grade</u>
_____	_____	_____	_____	_____

4) Practicum – satisfied by ME537: Product Realization

Approved By

Advisor Signature Date

Student Signature Date

**ME500 A1 (*Manufacturing Processes for Design and Production*) can substitute ME584.

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.

ME518 Product Quality	ME557 Additive Manufacturing
ME526 Simulation of Physical Processes*	ME560 Precision Machine Design*
ME535 Green Manufacturing ²	ME568 Soft Robotics
ME538 Intro to Finite Element Analysis	ME571 Medical Robotics
ME555 MEMs: Fabrication and Materials	ME579 Nano/Microelectronic Design Manufacturing*

3. 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:

- ME691 must be taken as a pre-requisite for ME692.
- ME535 is typically not offered every year.

* Denotes class offered via distance learning, subject to change based on instructor.