



# Master of Science Plan of Study

## Materials Process Engineering

Student ID Number \_\_\_\_\_ BS/MS \_\_\_\_\_ Full Time \_\_\_\_\_ Part Time \_\_\_\_\_

Student Name: \_\_\_\_\_  
(last) (first) (middle)

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Home or cell # (\_\_\_\_\_) \_\_\_\_\_ Email \_\_\_\_\_

Advisor's Name (Please Print) \_\_\_\_\_

### Materials Science and Engineering Graduate Courses (9 or more credits)

Course Number	Course Name	Credits	Check
MTE 511	Structure and Properties of Engineering Materials	2	
MTE 512	Properties and Performance of Engineering Materials	2	
MTE 526	Advanced Thermodynamics	2	
MTE 532	X-Ray Diffraction and Crystallography	2	
MTE 540	Analytical Methods in Materials Engineering	3	
MTE 558	Plastics	2	
MTE 550	Phase Transformations in Materials	3	
MTE 561	Mechanical Behavior and Fracture of Materials	2	

### Manufacturing Engineering Graduate Courses (6 Credits)

Course Number	Course Name	Credits	Check
ME 542/MFE 510	Control and Monitoring of Manufacturing Processes		
ME 543/MFE 520	Design and Analysis of manufacturing		
MFE 531	Computer Integrated Manufacturing		
MFE 541	Design for Manufacturability		
MFE 5841	Surface Metrology Measurement and Analysis of Surface		
	Any other MFE 5XX course		

### Management/Industrial Engineering Graduate Courses (9 credits)

Credits may be selected from any graduate Management Graduate courses

Course Number	Course Name	Credits	
		3	
		3	
		3	

### Electives (3 credits) From any graduate level course at WPI

		3	
--	--	---	--

### MPE Project (3) or Capstone Course

		3	
--	--	---	--

Student Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Plan of Study Approvals:

Advisor : \_\_\_\_\_

Print Name: \_\_\_\_\_ Signature \_\_\_\_\_ Date: \_\_\_\_\_

Program Head \_\_\_\_\_

Print Name: \_\_\_\_\_ Signature \_\_\_\_\_ Date \_\_\_\_\_

The program director and graduate committee will decide on any course substitutions or extenuating circumstance

