

**WAYNE STATE UNIVERSITY  
MATERIALS SCIENCE AND ENGINEERING (MSE)**

**PLAN OF WORK FOR M.S. DEGREE**

Name: \_\_\_\_\_ WSU Access ID: \_\_\_\_\_  
 Address: \_\_\_\_\_ Telephone: \_\_\_\_\_ (H, W)  
 \_\_\_\_\_ E-mail: \_\_\_\_\_  
 Date Admitted: \_\_\_\_\_ Study Plan: A (thesis) \_\_\_ C (non-thesis) \_\_\_

**CORE COURSES**

Course No.	Course Title	Credits	Sem/Yr	Grade	Remarks
MSE 7300	Advanced Thermodynamics	3			These four courses are required for every degree student. Each course is offered once a year.
MSE 7400	Mechanical Behavior of Materials	3			
MSE 5650	Surface Science	3			
PHY 6450	Introduction to Materials and Device Characterization	4			
Total		13			

**ADDITIONAL REQUIRED COURSES**

Course No.	Course Title	Credits	Sem/Yr	Grade	Remark
MSE 5350	Polymer Science	3			For Plan A: at least one course should be selected. For Plan C: at least three courses should be selected.
MSE 7100	Advanced Engineering Mathematics	3			
CHM 6060/7060	Solid State Materials Chemistry	4			
BME 5370	Introduction to Biomaterials	4			
ECE 5550	Solid State Electronics	4			
Total					

In this category, at least 11 credits of MSE courses at the level of 5000 – 8000 should be entered. These should include 8 credits for MSE8999 for plan A (Thesis M.S.) students.

**ELECTIVES**

Course No.	Course Title	Credits	Sem/Yr	Grade	Remarks
MSE 7350	Polymer Solutions	3			Suggested courses
MSE 5360	Polymer Processing	3			
MSE 5600	Composite Materials	3			
Total					

In this category, electives of no more than 8 credits at the 5000 – 8000 level in engineering and/or physical sciences are permitted. Exceptions can be made upon approval of the thesis or graduate program advisor.

- Note: 1. **The completed form must be filed with the Department of Chemical Engineering and Materials Science (1100 ENG) prior to the beginning of the second semester of residence.** A registration "hold" may be placed on the records of students who have not filed a Plan of Work by this deadline.
2. **Students must apply for M.S. degree no later than the first day of the semester expected to graduate.**

**TOTAL CREDITS:** \_\_\_\_\_ (at least 32)

\_\_\_\_\_  
Student Signature and Date

\_\_\_\_\_  
Thesis Advisor Signature and Date

\_\_\_\_\_  
Graduate Advisor Signature and Date

\_\_\_\_\_  
Date Status changed

\_\_\_\_\_  
Date Degree Awarded