



The University of Texas at Dallas

# MATERIALS SCIENCE AND ENGINEERING MS DEGREE PLAN

33 hours minimum

NAME: \_\_\_\_\_

STUDENT ID: \_\_\_\_\_

MUST COMPLETE THE FOLLOWING REQUIRED CORE COURSES:

**\*\*MUST MAINTAIN A 3.0 CORE GPA\*\***

Course #	Course Title	Advisor Approval	Semester	Grade
MSEN 5310	Thermodynamics of Materials			
MSEN 5360	Materials Characterization			
MSEN 6319	Quantum Mechanics for Materials Scientists			
MSEN 6324	Electronic Optical and Magnetic Materials			

MUST COMPLETE THREE (3) FROM WITHIN THIS ADVANCED COURSE LIST:

Course #	Course Title	Advisor Approval	Semester	Grade
MSEN 5320	Materials Science for Sustainable Energy			
MSEN 5340	Advanced Polymer Science and Engineering			
MSEN 5361	Fundamentals of Surface and Thin Film Analysis			
MSEN 5370	Ceramics and Metals			
MSEN 5375	Electronic Devices Based on Organic Solids			
MSEN 5377	Computational Physics of Nanomaterials			
MSEN 6310	Mechanical Properties of Materials			
MSEN 6320	Fundamentals of Semiconductor Devices			
MSEN 6330	Phase Transformations			
MSEN 6340	Advanced Electron Microscopy			
MSEN 6350	Imperfections in Solids			
MSEN 6362	Diffraction Science			

MUST COMPLETE FOUR (4) APPROVED ELECTIVE GRADUATE COURSES:

Course #	Course Title	Advisor Approval	Semester	Grade

\_\_\_\_\_  
Student Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Advisor Signature

\_\_\_\_\_  
Date

Note: This form should be filled out and filed with the program office before finishing your first semester.  
Any non-MSEN course must be approved before registering for the course.