

Appendix I

Master of Science in Materials Science Student Requirements Checklist

Name of Student: _____ Date of Entry: _____

Advisor: _____

Thesis Committee: _____

Thesis Credits: _____

Date of Thesis Defense: _____ Title: _____

Course Requirements

Course Requirements - Student must present at least 30 credits for completion of MS program with 24 course credits and 6 credits in thesis research (#MS 899). The two core courses (MS 860 and MS 961) are required. In addition one course must be taken in each of the following categories: characterization, synthesis & processing, and structure/property relationships.

Seminar: #900 (1cr) Semester taken _____ Title: #1 _____

and #900 (1cr) Semester taken _____ Title: #2 _____

Required core courses (2):

#	Title	Credits	Semester Taken	Grade
MS 860	Thermodynamics of Materials I	4	_____	_____
MS 961	Thermodynamics & Kinetics of Materials II	4	_____	_____

Characterization Courses:

#	Title	Credits	Semester Taken	Grade
MS 861	Diffraction & Imaging Methods in Materials Science	4	_____	_____
MS 965	Advanced Surface & Thin Film Characterization	4	_____	_____
MS 995	Macromolecular Characterization	3	_____	_____

Other:

#	Title	Credits	Semester Taken	Grade
_____	_____	_____	_____	_____

Synthesis & Processing Courses:

#	Title	Credits	Semester Taken	Grade
MS 863	Thin Film Science & Technology	4	_____	_____
CHE 801	Intro. to Polymer Engineering	4	_____	_____
MS 895	Materials Synthesis & Processing	4	_____	_____
MS 995	Macromolecular Synthesis	3	_____	_____

Other:

#	Title	Credits	Semester Taken	Grade
_____	_____	_____	_____	_____

Structure and Property Relationship Courses:

#	Title	Credits	Semester Taken	Grade
MS 830	Mechanical Behavior of Materials	4	_____	_____
MS 831	Fracture and Fatigue of Engr Materials	4	_____	_____
ME 835	Mechanics of Composite Materials	4	_____	_____
ME 935	Micromechanics of Comp. & Porous Mat'l	4	_____	_____
MS 862	Electronic Properties of Materials	3	_____	_____
PHYS 818	Introduction to Solid State Physics	3	_____	_____
PHYS 965	Advanced Solid State Physics	3	_____	_____
BCHM 851	Principles of Biochemistry	4	_____	_____
BCHM 850	Physical Biochemistry	3	_____	_____
MS 995	Properties and Processing of Polymer Fluids and Solids	3 or 4	_____	_____

Other:

#	Title	Credits	Semester Taken	Grade
_____	_____	_____	_____	_____

Other courses taken:

#	Title	Credits	Semester Taken	Grade
_____	_____	_____	_____	_____

Annual Review Committee

Date	Committee	Comments
1.		
2.		