

Student Name: _____

MSE PhD Program Coursework Requirements- 72 credit hour minimum

Required Core Courses (13 Credit Hours)

Course Number	Course Title/Description	Credits	Semester Completed
MSE 501	Materials Technology Transfer	1	
MSE 502 A	MSE Methods: Materials Structure and Scattering	1	
MSE 502 B	MSE Methods: Computational Materials Methods	1	
MSE 502 C, D, E , or F	MSE Methods: (C) Microscopy (D) Spectroscopy (E) Bulk Properties and Performance (F) Experimental Methods for Materials Research	1 (each)	
MSE 503	Mechanical Behaviors of Materials	3	
MSE 504	Thermodynamics of Materials	3	
MSE 580C2	Electronic Properties of Materials: Quantum	1	
MSE 580B7	Electronic Properties Materials: Band Structure	1	
MSE 580B8	Electronic Properties of Materials: Optical	1	

*MSE 580 courses will count as MSE 651 or equivalent until final course numbers are approved

Additional Required Courses (4 Credit Hours)

Course Number	Course Title/Description	Credits	Semesters Completed
MSE 793	Professional Development (4 Semesters)	4	

PhD students are strongly advised to take RCR 550/GRAD 444-OR- complete the Responsible Conduct Research Certification Online. Completed? Yes ___ No ___ If yes, semester completed: _____

Specialty Courses (6 Credit Hours) Click [here](#) for list to choose from.

Course Number	Course Title/Description	Credits	Semester Completed

Research Credits 799 or 795 (Up to 49 Credit Hours)

Course Number	Course Title/Description	Credits	Semester Completed