

Student Name: \_\_\_\_\_

**MSE MS Plan A Program Coursework Requirements- 30 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 523	Electronic Properties of Materials	3	

**Additional Required Courses (2 Credit Hours)**

Course Number	Course Title/Description	Credits	Semesters Completed
MSE 793	Professional Development (2 Semesters)	2	

MS-A 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 (3 Credit Hours) Click [here](#) for list to choose from.**

Course Number	Course Title/Description	Credits	Semester Completed

**Research Credits 699 or 695 (Up to 12 Credit Hours)**

Course Number	Course Title/Description	Credits	Semester Completed