Student Name: _____

School of Advanced Materials Discovery
COLORADO STATE UNIVERSITY

MSE MS Plan B 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 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 (2 Credit Hours)

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

Specialty Courses (3 Credit Hours) Click here for list to choose from.

Course Number	Course Title/Description	Credits	Semester Completed

Elective Credits (Up to 12 Credit Hours) Must be 500 level or above. 400 level must be approved by SAMD Director. Refer to specialty courses list for course options.

Course Number	Course Title/Description	Credits	Semester Completed