

**TO:** Engineering Curriculum Committee

**FROM:** The Faculty of the School of Materials Engineering

**DATE:** February 20, 2018

**RE:** FastTrack prerequisite changes for MSE core courses.



The faculty of the School of Materials Engineering has approved the following changes to the prerequisites for the MSE plan of study provide accommodate the increase in undergraduate enrollment and to allow students that transfer into the program, or participate in study abroad or co-op to complete their plan of study in a timely manner.

This action is now submitted to the Engineering Curriculum Committee with a recommendation for approval.

**From:** MSE 27000 - Atomistic Materials Science  
Prerequisites: MA 26100  
Corequisites: MSE 23000, MA 26500 (or MA 26200)

**To:** Corequisites: MSE 23000, MA 26100, MA 26500 (or MA 26200)

**Reason:** To handle the increasing enrollment in the School of Materials Engineering, all the MSE 2000 level course offerings have been updated to run both fall and spring semesters. For fall semester, students currently enroll in MSE 27000 with the consent of the professor while taking MA 26100 as a co-requisite.

**From:** MSE 33000 Processing and Properties of Materials  
Prerequisites: MSE 26000

**To:** Prerequisites: MSE 23000

**Reason:** After review by the School, this proposed change reflects a more accurate prerequisite course need.

From: MSE 34000 Transport Phenomena  
Prerequisites: MA 26600 (or MA 26200)  
To: Prerequisites: MA 26600 (or MA 26200), MSE 26000

**Reason:** MSE 26000 (Thermodynamics ) has content needed for MSE34000 ( Transport Phenomena ). The prerequisite change will formalize the sequence suggested by the current Materials Engineering Plan of Study. With both courses now offered both semesters, this will have no impact on time to graduation.

From: MSE 43000 (Materials Processing and Design I)  
Prerequisites: MSE 33500, MSE 36700  
To: Prerequisites: MSE 33500 **-or-** MSE 36700

**Reason:** The senior design program is an industry sponsored 1-year program. The proposed change reflects the current practice for study abroad and co-op students.

From: MSE 44000 (Materials Processing and Design II)  
Prerequisites: MSE 33500, MSE 37000, MSE 43000  
To: Prerequisites: MSE 43000

**Reason:** The proposed change removes redundancies in the prior prerequisites.