

Michigan Technological University

Minor in Structural Materials

Program Code: MSSM, Academic Year 2018-19

Department of Materials Science and Engineering

Total Credits Required: 18

Required Courses: 9 credits

Course	Credits
MSE 2100 Intro to Materials Science & Engineering (3)	
MSE 4100 Mechanical Behavior of Materials (3)	
MSE 4120 Materials and Process Selection (3)	

Elective Courses: 9 credits

Course	Credits
CEE 3101 Civil Engineering Materials (3)	
MSE 3120 Materials Characterization I (4)	
MSE 3130 Materials Characterization II (4)	
MSE 4110 Intro to Polymer Engineering OR CM/CH 4610 Intro to Polymer Science (3)	
MSE 4310 Principles of Metal Casting (3)	
MSE 4320 Corrosion & Environmental Effects (3)	
MSE 4410 Science of Ceramic Materials (3)	
MSE 4430 Composite Materials (3)	
MSE 4510 Contact Mechanics & Nanoindentation (3)	
MSE 4990 Undergraduate Research (1-3)	

Courses listed in this minor have the following prerequisites (shown in parenthesis). Concurrency is illustrated by the letter C:
CEE3101 (ENG2120 or MEEM2150), CH4610 (CH1160), CM4610 (CH1160), MSE3120 (MSE2110), MSE3130 (MSE2100), MSE4310 (MSE2100), MSE4430 (MSE2100), MSE4330 (MSE3140), MSE4100 [(MSE2100 and MSE2110) and (MEEM2150 or ENG2120)], MSE4120 (MSE2100 and CH1160), MSE4120 (MSE2100).