



Master of Science Materials Science and Engineering

Course Matrix

Mapping of the Program Goals to the Core Courses Fall 2021

Specific Program Objectives	1. The graduates of the program will have a strong background in fundamentals of engineering and materials science, and a comprehensive knowledge of the latest technologies in the Materials Science and Engineering field, which extends beyond the undergraduate experience	2. The graduates of the program will have the ability to formulate, analyze and solve advanced multidisciplinary Materials Science and Engineering problems	3. The graduates of the program will have the ability to apply the latest scientific and technological advancements, advanced techniques, and modern engineering tools in their professional endeavors
Courses, in which the objective is achieved	<ul style="list-style-type: none"> • New required MTSE courses • New elective MTSE courses • ME580, ME583, ME584, ME586, ME589, ME591, ME611 	<ul style="list-style-type: none"> • New required MTSE courses • New elective MTSE courses • AENG650, AENG588, ECE539, BENG521, BENG575, AENG581, ECE502 	<ul style="list-style-type: none"> • New required MTSE courses • New elective MTSE courses • ME556, ME558, ME567, ME585, ME593