

Materials Science and Engineering—Major Requirements for BS Degree with Nanotechnology Emphasis

Effective Fall 2016

University of California, Merced

Anticipated Graduation Date (ex: May 2020) _____

Full Name: _____ ID #: _____ Email _____

Service Learning/Freshman Seminar/SSHA GE

3 units of ENGR 097/ENGR 197 or one 3-4 unit SSHA GE course.

Term / Course / Team or Title / Units

1.
2.
3.

Nanotechnology Emphasis (13-14 units)

Complete the following three core courses:

Course & Dept #	Course Title	Grade	Units or # Required	Term/Year Completed	Substitute Approved
-MSE 118	Intro to Nanotech and Nanoscience		3 units		
-MSE 126	Nanodevice Fabrication		4 units		
-ENGR 170	Intro to Electron Microscopy		3 unit		

Complete one of the following elective courses:

MSE 114: Polymeric Materials (4 units) _____

MSE 119: Materials Simulations (3 units) _____

MSE 121: Mechanical Behavior of Materials (4 units) _____

MSE 195: Upper Division Undergraduate Research (4 units maximum) _____