2019 - 2020 Minor Map
Materials Science and Engineering

School/College: Ira A. Fulton Schools of Engineering
Location: Tempe campus

Program Requirements

Students are required to take five courses and one lab (minimum of 16 credits), listed below:

Required Courses -- 12 credit hours

MSE 250: Structure and Properties of Materials (3)
MSE 355: Structure and Defects (3)
MSE 3** Elective or MSE 4** Elective (6)

Materials-related Lab Course -- 1 credit hours

MSE 356: Structures, Properties, and Defects Lab (1)
MSE 421: Physical Metallurgy Laboratory (1)
MSE 451: Introduction to Materials Characterization Lab (1)

Materials-related Course -- 3 credit hours

BME 318: Biomaterials (4)
CEE 353: Civil Engineering Materials (4)
CHM 471: Solid-State Chemistry (3)
EEE 352: Properties of Electronic Materials (4)
EEE 436: Fundamentals of Solid-State Devices (3)
MSE 3** Elective (3)
MSE 4** Elective (3)
PHY 481: Materials Physics I (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.