MATERIALS SCIENCE & ENGINEERING
BACHELOR OF SCIENCE PROGRAM

COURSES OFFERED

2XXX
F
CORE COURSE
MSE 2090: Intro to MS
ELECTIVE COURSE
MSE 2101: MSI-Properties
ELECTIVE COURSE
MSE 2500: Science of Cooking

S
CORE COURSE
MSE 2090: Intro to MS
ELECTIVE COURSE
MSE 2200: Intro to AM

3XXX
F
CORE COURSE
MSE 3050: Thermo
CORE COURSE
MSE 3060: Crystals and Defects
ELECTIVE COURSE
MSE 3670: EMOP
ELECTIVE COURSE
MSE 3080: Corrosion, Batteries & Fuel Cells
CORE COURSE
MSE 3101: MSI-Characterization
ELECTIVE COURSE
MSE 3070: Kinetics & Phase Xforms

S
CORE COURSE
MSE 3070: Kinetics & Phase Xforms
ELECTIVE COURSE
MSE 3101: MSI-Characterization
ELECTIVE COURSE
MSE 3080: Corrosion, Batteries & Fuel Cells

4XXX
F
CAPSTONE COURSE
ENGR 4010: Eng Design 1
ELECTIVE COURSE
MSE 4055: Nanoscience
ELECTIVE COURSE
MSE 4200: AM-Metals
ELECTIVE COURSE
MSE 4592: Introduction to the Materials Science of Polymers
CORE COURSE
MSE 4320: Origins of Mech Behavior

S
CAPSTONE COURSE
ENGR 4010: Eng Design 2
ELECTIVE COURSE
MSE 4592: Special Topics: X-ray Scattering, Mats Informatics, Dielectrics & Oxides, Ceramics, SSD for REC
ELECTIVE COURSE
MSE 4210: Adv. Mats. Processing

Note: Elective courses are not necessarily taught every year and may be switched between fall and spring semester.