MATERIALS SCIENCE & ENGINEERING
BACHELOR OF SCIENCE PROGRAM

COURSES OFFERED

CORE

ELECTIVE

CAPSTONE

2XXX

F

CORE COURSE
MSE 2090: Intro to MS

CORE COURSE
MSE 2101: MSI-Properties

ELECTIVE COURSE
MSE 2500: Science of Cooking

Note: MSE 2500 does not fulfill the “Restricted Electives” for MSE majors - it can serve as a "Technical Elective.”

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

CORE COURSE
MSE 3670: EMOP

ELECTIVE COURSE
MSE 3610: Aerospace Materials

S

CORE COURSE
MSE 3070: Kinetics & Phase Xforms

CORE COURSE
MSE 3101: MSI- Characterization

ELECTIVE COURSE
MSE 3080: Corrosion, Batteries & Fuel Cells

4XXX

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

S

CAPSTONE COURSE
ENGR 4010: Eng Design 2

CORE COURSE
MSE 4320: Origins of Mech Behavior

ELECTIVE COURSE
MSE 4592: Special Topics: X-ray Scattering, Matls Informatics, Dielectrics & Oxides, Ceramics, SSD for REC

ELECTIVE COURSE

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

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