

List of Materials Science and Engineering courses offered in AY 2025/2026, Semester 2

MLE Level 1000

MLE1001B Materials Science & Engineering Principles & Practice I

MLE Level 2000

MLE2105 Electronic Properties of Materials

MLE2108 Structure and Mechanical Properties of Materials *(For cohort AY2021/2022 and onwards)*

MLE Level 3000

MLE3112 Machine Learning Approaches in Materials Laboratory

MLE3202 Materials for Biointerfaces

MLE Level 4000

MLE4101A B.Eng. Dissertation *(For cohort AY2020/2021 and before - Professional Practice Pathway)*

MLE4101B B.Eng. Dissertation *(For cohort AY2021/2022 and onwards)*

MLE4102A Design Project *(For cohort AY2020/2021 and before -Professional Practice Pathway & for cohort AY2021/2022 and onwards)*

MLE4202 Selected Advanced Topics on Polymers

MLE4205 Theory and Modelling of Materials Properties

MLE4206 Current topics on Nanomaterials

MLE4217 Application of Big Data in Materials Science *(For cohort AY2020/2021 and onwards)*

MLE4222 Electron transport in novel quantum materials *(For cohort AY2019/2020 and onwards)*

MLE4224

*(recoded from
MLE3102)*

Degradation and Failure of Materials

MLE4225

Electro-active Materials for Sustainability *(For cohort AY2021/2022 and onwards)*

MLE4230

Current Topics in Materials AI *(For cohort AY2020/2021 and onwards)*

MLE4231

Optoelectronics with Organics and Nanocrystals

Timetable refers to <https://nusmods.com/timetable/>

All courses are subjected to change/remove without prior notice

