MATERIALS SCIENCE AND ENGINEERING (M.S.)

Admission to this program is contingent upon admission to the Graduate School (https://wayne-curr.courseleaf.com/graduate/general-information/admission/).

The Master of Science in Materials Science and Engineering program is open to students with a bachelor's degree in engineering or the physical sciences. Admission requires a 3.0 grade point average, or the equivalent as determined by the Department Graduate Officer. Applicants whose baccalaureate degrees are not in materials or metallurgical engineering, or whose undergraduate preparation is evaluated as insufficient, may be required to elect additional courses prior to admission.

This Master of Science degree is offered under the following options:

Plan A: Thirty credits including a six credit thesis.

Plan C: Thirty credits of coursework.

Both options require the following core courses:

Code	Title	Credits
MSE 5650	Surface Science	3
MSE 7300	Advanced Thermodynamics	3
MSE 7400	Mechanical Behavior of Materials	3
PHY 6450	Introduction to Material and Device Characterizations	4

- A maximum of 9 approved credits can be taken from other Departments in Engineering (excluding Engineering Technology), Chemistry, Physics, Mathematics, Biology Departments
- No more than 3 credits can be taken in combination of MSE 7990 (https://wayne-curr.courseleaf.com/search/?P=MSE%207990), MSE 8996 (https://wayne-curr.courseleaf.com/search/?P=MSE%208996), CHE 8510 (https://wayne-curr.courseleaf.com/search/?P=CHE%208510)
- No more than 1 credit per semester of CHE 8510 (https://wayne-curr.courseleaf.com/search/?P=CHE%208510)

All course work must be completed in accordance with the regulations of the Graduate School (http://bulletins.wayne.edu/graduate/general-information/academic-regulations/) and the James and Patricia Anderson College of Engineering (http://bulletins.wayne.edu/graduate/college-engineering/academic-regulations/).