

McCormick BS:

The student must [apply for admission to the Honors Program](#) during their junior or pre-senior year (with a 3.50 GPA at the time of admission). The application must be filed with [McCormick's Undergraduate Engineering Office](#). The assistant chairman coordinates the Honors Program.

The honors adviser is the regular MSE adviser, and the proposed honors project adviser is the MSE faculty member who will be supervising the project. This faculty member needs to be on the [list of MSE faculty](#). Honors students complete a three-quarter research project, registering for one unit of 394, Honors Project, before registering for two quarters of 396. (List 394 on the first line of the application, and 396-1,2 on the second line).

In addition, honors students must take three units of approved advanced study with a grade average of B or better from the following list of materials science courses (which may also be counted as tech electives):

- 318 Materials Selection
- 333 Composite Materials
- 336 Chemical Synthesis of Materials
- 337 Conducting Polymers
- 340 Ceramic Processing
- 341 Intro to Modern Ceramics
- 355 Electronic Materials
- 360 Intro to Electron Microscopy
- 362 Point, Line, and Planar Imperfections
- 370 Biomaterials
- 371 Biominerals
- 372 Tissue Engineering and Regenerative Medicine
- 376 Nanomaterials
- 380 Intro to Surface Science and Spectroscopy
- 381 Materials for Energy-Efficient Technology
- 382 Electrochemical Energy and Devices
- 395 Special Topics
- 401 Chemical Thermodynamics of Materials

Other 400-level courses may be approved by the associate chairman.

Weinberg BA Degree

Seniors who have done outstanding work in the classroom and research laboratory may be eligible for graduation with [honors in materials science](#). To be considered, a student must meet minimum GPA requirements and complete two units of research (from CHEM 398, 399; MAT SCI 396-1,2, 394, 399; PHYSICS 398, 399) and a written research report. These two units are neither required for nor counted toward the major.

Students who intend to submit a senior research report should send an e-mail including the name of the research adviser to the director of undergraduate studies by fall of senior year. Students whose theses and grades meet program criteria are recommended to the college for graduation with honors. For more information, consult the program director.