**Requirements for a Minor in Materials Science and Engineering**

1. A minor in Materials Science and Engineering can be earned through completion of 20 credits. No more than 8 credits may overlap between a student's major & minor. Students are expected to obtain the necessary background (pre-requisites or equivalents) to complete their chosen minor.

**REQUIRED**

ENG ME 306 Materials Science
Any 500-level ENG MS course (or cross-listed section of the same course).

**ELECTIVES**

ENG ME 305 Mechanics of Materials
ENG EC 471 Physics of Semiconductor Devices
EMG MS/ME 505 Thermodynamics and Statistical Mechanics of Materials
ENG MS/ME 503 Kinetic Processes in Materials
ENG MS/EC 577 Electrical, Optical and Magnetic Properties of Materials
ENG MS/ME 504 Polymers and Soft Materials
ENG MS/ME 582 Mechanical Behavior of Materials
ENG MS/ME/ CAS PY/CH 508 Computational Methods in Materials Science
ENG MS/BE/ME 523 Mechanics of Biomaterials
ENG MS/ME 545 Electrochemistry of Fuel Cells and Batteries
ENG MS/ME 530 Introduction to Micro and Nanomechanics of Solids
ENG MS/ME 555 MEMS Fabrication and Materials
ENG MS/ME 534 Materials Technology for Microelectronics
CAS PY 451 Quantum Physics
CAS PY 543 Introduction to Solid State Physics

**Note: Students cannot earn credit for both:**
ENG MS/ME 505 Thermodynamics and Statistical Mechanics **AND**
CAS PY 410 Statistical Thermodynamics

2. No more than 8 credits may be used to satisfy the student's major degree credit requirements.

3. Students are expected to obtain the necessary background (prerequisites or equivalents) to complete their chosen minor program.

4. Students must have a declared major on record in order to apply for the Minor in Materials Science Engineering.

5. The grade point average (GPA) of the courses (20 credits) used for the minor must be 2.0 or greater for the minor to be awarded.

6. Applications for the Minor in Materials Science and Engineering must be approved by the Minor Coordinator of the Division of Materials Science and Engineering.

7. Students planning to pursue a minor in Materials Science and Engineering should apply as early as possible to facilitate course planning, and in no case later than October 1 of the senior year.

For questions about the requirements for this minor, please contact:
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