

Undergraduate Minor in Materials Science & Engineering

Beginning in Fall 2016, the Materials Science and Engineering Department will offer an 18-hour minor for undergraduate STEM students who have completed the necessary prerequisites.

Overview

Materials Science and Engineering emphasizes understanding of the materials foundation almost all other engineering and scientific disciplines expand upon. The purpose of the MSE minor is to broaden the materials background of interested undergraduate students and to introduce them to a materials based approach for problem solving.

Admission requirements

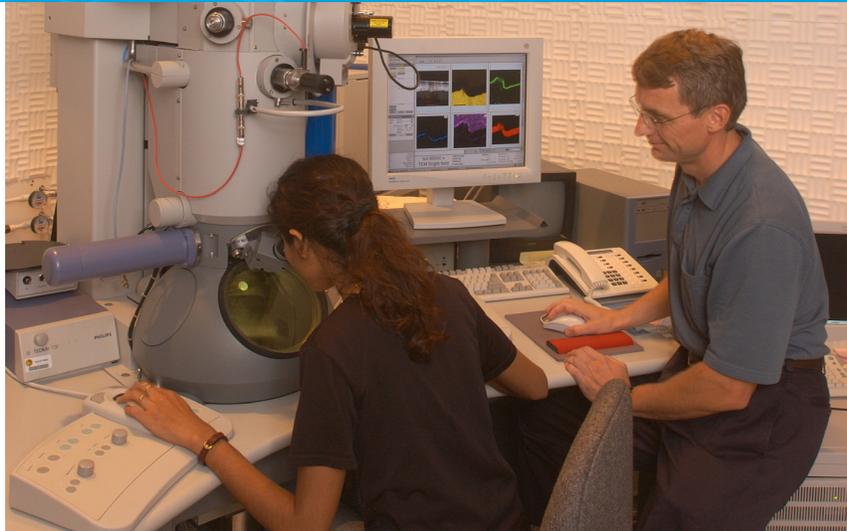
- STEM and Engineering majors with a minimum 2.5 GPA
- Submit the petition for admission to MSE department (Engineering 1, 207)

Completion requirements

- 18 hours of materials based course work are required for the completion of the MSE minor
- At least 12 hours of course work with the prefix EMA and/or EGN prefixes must be used toward the minor requirements
- Minimum grade of "C" (2.0) or better for all courses in the minor
- A Bachelor's degree must be completed in order for the minor to be awarded

Course requirements

- Visit mse.ucf.edu
- Contact Pamela Ross
Engineering 1, 207J
407-823-3806
pamela.ross@ucf.edu



MSE Centers & Facilities

Advanced Materials Processing and Analysis Center

AMPAC is home to two university-wide user facilities that enable cutting edge research. Facilities feature ultramodern equipment for characterization and processing, and provide students training and education opportunities. Collaborations with other universities, government agencies and private industry are encouraged.

Materials Characterization Facility

The user-friendly facility occupies 7,000 square feet and is supported by three research engineers and a faculty coordinator. It houses an impressive array of materials characterization equipment.

Advanced Microfabrication & Clean Room Facility

The 3,000-square-foot space supports research activities including miniaturization, nanomaterials fabrication and applied acoustoelectronics technology. The class 100 and 1,000 clean rooms contain assorted lithography and device fabrication equipment.

