Nanosystems

MINOR CODE - U105

Using nano devices and systems as naturally integrative learning vehicles, technical, social, ethical and economic considerations are introduced and developed, enabling students to understand the role of their discipline and the value of others. The Nanosystems Minor culminates with students fulfilling their majors’ capstone requirement by engaging in authentic interdisciplinary NSE nanosystems research within host faculty labs. As a result, engineering and science students grow together as young collaborating professionals using the unique environment afforded by NSE as they at the same time grow and form in their own disciplines.

ENGR 103 Introduction to Nanotechnology Design 3
ENGR 280 Sophomore Nanoscience Seminar 1
ENGR 380 Junior Nanoscience Seminar 1 1
ENGR 381 Junior Nanoscience Seminar 2 1
Project 1 3
Tech Elective 2 3
Tech Elective 2 3
Total Hours 15

1 400 level course, senior rank, eg. Capstone Project, Honors Thesis or Undergraduate research on an authentic research topic (see following definition for clarification).
2 300 level course or above from the student’s major which would be required/needed to work in the area of Nanotechnology

Authentic Research Topic

For the purposes of the Nanosystems Minor, an authentic research topic is defined as one that is part of a funded project and/or its results can be published and therefore it is of interest to the scientific community.