Proposal to Establish a Minor in Physics

PRESENT

PROPOSED

The minor in Physics consists of 26 upper-division units in Physics. Of the specified upper-division units, a minimum of 16 units must be unique to the minor and may not be used to satisfy major requirements.

1. First Tier (16 units)
   a) PHYS 130A
   b) PHYS 134
   c) PHYS135A
   d) One Physics elective from the following list: PHYS 111, PHYS 150A, PHYS 151, PHYS 164, PHYS 165, PHYS 166, PHYS 177

2. Second Tier (at least 10 units)
   Select additional units from any upper division Physics courses which were not chosen in First Tier. The combined units from First and Second Tiers should add up to at least 26.

3. No more than 4 units of 190-199 courses may be used in fulfilling the upper-division units for a minor.

JUSTIFICATION

A minor in Physics will be useful for a variety of students with majors in related fields such as Chemistry and Mathematics. The creation of this minor will also serve students in the College of Engineering, especially in view of the close connection between the Center for Nanoscale Science & Engineering Institute and the Physics department. The minor will provide students with a solid understanding of the fundamental processes underlying the Physical Sciences, while the choice of electives will allow them to pursue specific areas of interest.
Courses were selected to insure that students will need to complete the lower division Physics 40 series in order to fulfill the Minor requirements. Tier 1 selection is such that students can complete this tier in one year.

Effective: Fall 2006
Approved by the Physics Department: Nov. 8, 2005
Approved by the CNAS Executive Committee: November 29, 2005
Approved by the Educational Policy Committee: January 17, 2006