

Department Chair(s)

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**Part I. Curriculum Proposal Cover Sheet (see above)**

**Part II. Description of Curriculum Change**

**1. Catalog Description**

**Bachelor of Science –Physics/ Nanomanufacturing Technology Track**

**Liberal Studies:** As outlined in Liberal Studies section with the following specifications:

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**Mathematics:** MATH 125 **Natural Science:** PHYS 131-141 and 132-142

**Liberal Studies Electives:** 3cr, MATH 126, no courses with PHYS prefix

**Major:**

46

**Required Core Courses:**

PHYS 131 Physics I-C Lecture

\*cr (1)

PHYS 132 Physics II-C Lecture

\*cr (1)

PHYS 141 Physics I-C Lab

\*cr (1)

PHYS 142 Physics II-C Lab

\*cr (1)

PHYS 301 Physics III-C Lecture

3cr

PHYS 345 Optics

3cr

PHYS 441 Classical Mechanics

3cr

PHYS 451 Electricity and Magnetism

3cr

**Required PSU Capstone:**

MMT 211 Materials, Safety, and Equipment Operations for Nanofabrication

3cr

[REDACTED]

(NMT)

Professional Identification for the Physician/Non-manufacturing Technology Track

[REDACTED]

**4. Do you expect an increase or decrease in the number of students as a result of these revisions? If so, how will the department adjust?**

The total number of students in the Physics Department would remain unchanged following this rearrangement - the students in the currently listed Applied Physics Program (now deleted) would transfer into the new program.

**5. Intended implementation date (semester and year).**

The program will be implemented in the fall of 2011.

**Part IV. Periodic Assessment**

The evaluation of this program will follow the departmental procedures for evaluation

The department evaluates both students currently in the program as well as graduates. Current students are