

# MATH-PHYSICS: Bachelor of Science (124 cr)

Keene State College

2007-2008 Catalog

## INTEGRATIVE STUDIES PROGRAM REQUIREMENTS (44 cr)

**Note:** Students must complete the **Thinking & Writing** requirement within their first two semesters and the **Quantitative Literacy** requirement within their first three semesters.

### Foundations

ITW: Thinking & Writing  \_\_\_\_\_  
IQL: Quantitative Literacy  \_\_\_\_\_

### Perspectives

**NOTE:** Students may take only **one** course in any specific discipline within the **PERSPECTIVES** area. Disciplines are shown in **BOLD**, such as IAART.

#### IA: Arts – IAART, IAMU, IATAD

1 course:  \_\_\_\_\_

#### IH: Humanities - IHCOMM, IHENG, IHFILM, IHFR, IHGER, IHHIST, IHJRN, IHML, IHPHIL, IHSP

2 courses:  \_\_\_\_\_  \_\_\_\_\_

#### IA/IH: 1 additional course in either IA or IH

1 course:  \_\_\_\_\_

#### IN: Natural Sciences – INASTR, INBIO, INCHEM, INGEOL, INMET, INPHYS

2 courses:  \_\_\_\_\_  \_\_\_\_\_

#### IS: Social Sciences – ISANTH, ISCJS, ISECON, ISGEOG, ISPOSC, ISPSYC, ISSOC, ISSOSC

2 courses:  \_\_\_\_\_  \_\_\_\_\_

### Interdisciplinary

#### II: Any course beginning with II

1 course:  \_\_\_\_\_

**NOTE:** Courses fulfilling **PERSPECTIVES** and **INTERDISCIPLINARY** requirements may be at the 100-400 level. All students must complete a minimum of 24 credits at the 100-200 level and a minimum of 8 credits at the 300-400 level to complete the *Integrative Studies Program (ISP)*.

## MAJOR REQUIREMENTS (56 cr)

- |  |  |
|--|--|
| <input type="checkbox"/> MATH 151 Calculus I*                      | <input type="checkbox"/> INPHYS 241 University Physics I** |
| <input type="checkbox"/> MATH 152 Calculus II                      | <input type="checkbox"/> PHYS 242 University Physics II    |
| <input type="checkbox"/> MATH 231 Linear Algebra & Diff. Equations | <input type="checkbox"/> PHYS 260 Electronics              |
| <input type="checkbox"/> MATH 251 Vector Calculus                  | <input type="checkbox"/> PHYS 342 Modern Physics           |
| <input type="checkbox"/> MATH 361 Differential Equations           |  |

### Physics Electives: (8 credits @ 300/400 level)

- PHYS Elective \_\_\_\_\_  
 PHYS Elective \_\_\_\_\_

### Allied Discipline Requirements:

- CS 140 Computer Programming I  
 INCHEM 111 General Chemistry I\*\*  
 CHEM 112 General Chemistry II

\***NOTE:** MATH 151 will meet the IQL requirement.

\*\***NOTE:** Course may be used to satisfy an Integrative Studies requirement; credits only count once.