

# CHEMISTRY-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 (72 cr)*

### Core (44 cr):

INCHEM 111 General Chemistry I\*

CHEM 112 General Chemistry II

CHEM 221 Organic Chemistry I

CHEM 222 Organic Chemistry II

CHEM 251 Quantative Analysis

CHEM 342 Physical Chemistry II

CHEM 363 Inorganic Chemistry

INPHYS 241 University Physics I\*

PHYS 242 University Physics II

PHYS 260 Electronics

PHYS 342 Modern Physics

**Select 4 credits at the 300 level or higher in BOTH Chemistry AND Physics (8 cr total):**

CHEM \_\_\_\_\_  PHYS \_\_\_\_\_

### Allied Discipline Requirements (20 cr):

CS 140 Computer Programming I

MATH 141 Introductory Statistics\*\*

MATH 151 Calculus I

MATH 152 Calculus II

MATH 251 Calculus III

### Students seeking Secondary Teacher Certification:

BIO 110 Molecules & Cells ~and~  CHEM 375 Biochemistry

\***NOTE:** Courses may be used to satisfy the Integrative Studies requirements; credits only count once.

\*\***NOTE:** MATH 141 will meet the IQL requirement.