

MATHEMATICS EDUCATION: for Elementary Teachers-B.A.(120 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 (40 cr)

Core:

- MATH 141 Introductory Statistics*
- MATH 151 Calculus I
- MATH 152 Calculus II
- MATH 171 Structure of Number Systems
- MATH 225 Intro to Abstract & Discrete Math
- MATH 275 Geometry for K-8 Teachers
- MATH 337 Number Theory
- MATH 375 Alg. Concepts for K-8 Teachers
- MATH 475 Issues & Trends in Math Education

Select ONE MATH course at the 200-level or higher:

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

****NOTE:** Refer to the catalog for the Education and associated ISP requirements for those seeking teacher certification