

MATHEMATICS: Middle/Junior High Option – 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 (44 cr)

- CS 140 Computer Programming I
- MATH 141 Introductory Statistics*
- MATH 151 Calculus I
- MATH 152 Calculus II
- MATH 225 Intro to Abstract & Discrete Math
- MATH 231 Linear Algebra & Differential Eq.
- 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 elective at the 300-level or above:

* MATH 471 will be offered occasionally and students in this option may use it as their mathematics elective with departmental approval.

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

Note: Please see the catalog for COMPLETE program requirements. This sheet is for general advising purposes only!