

BIOLOGY: Bachelor of Arts

(120 cr)

Keene State College

2009-2010 Catalog

*Meet with a faculty advisor in Biology to discuss your academic plans.
This sheet is for general advising purposes only.*

MAJOR REQUIREMENTS (52 credits)

Core Courses (24 cr)

- BIO 110 Molecule and Cells
- BIO 111 Evolution
- (C or better must be earned in both BIO 110 and 111 to take any 200-level or higher BIO course.)*
- BIO 210 Ecology
- BIO 211 Genetics
- BIO 212 Cells and Physiology
- BIO 495 Senior Seminar

Upper-Level Courses (12 cr)

Select a total of **three** courses from **three** of the categories below:

Animal Diversity:

- BIO 333 Invertebrate Zoology
- BIO 334 Vertebrate Zoology
- BIO 335 Ornithology

Plant and Microbial Diversity:

- BIO 363 Plant Biology
- BIO 365 Plant Evolution
- BIO 367 Microbial Diversity

Ecology and Evolution:

- BIO 343 Ecosystem Ecology
- BIO 345 Animal Behavior
- BIO 347 Plant Physiological Ecology
- BIO 349 Population Genetics

Cell/Molecular/Physiology:

- BIO 371 Ecophysiology
- BIO 373 Neuroethology
- BIO 375 Biochemistry
- BIO 376 Molecular Biology
- BIO 377 Immunology
- BIO 379 Comparative Animal Physiology

Required Related Science and Math Courses (16 cr)

- INCHEM 111 General Chemistry I
- CHEM 112 General Chemistry II
- MATH 141 Introductory Statistics*

Select one of the following:

- INPHYS 141 College Physics I -or- INGEOL 151 Introductory Physical Geology

*I-prefixed courses may also be used to fulfill Integrative Studies requirements; credits count once.
Math 141 will fulfill the Integrative Studies Program IQL requirement; credits count once.

Integrative Studies Program (ISP) Requirements: 44 cr

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Integrative Studies classes will make up one-third of your undergraduate education. With both lower- and upper-level requirements, these classes are meant to be taken across your four years. Don't just fill in the blanks, look for classes that intrigue you.

Foundations

- ITW: Thinking & Writing** (Take in either your first or second semester.)
- IQL: Quantitative Literacy** (Take within your first three semesters.)

Perspectives

*Only one course in any single discipline can be used to fulfill your Integrative Studies requirements within the **Perspectives** area. Disciplines are shown below in **BOLD** (such as **INBIO**) and may appear in more than one category (such as **IAENG** and **IHENG**). Write the course number and title of the classes you are taking in the spaces below. To review majors, courses and additional information, go to the on-line catalog: www.keene.edu/catalog.*

IA: Arts – *One course beginning with IA: IAART, IAENG, IAMU or IATAD.*

IH: Humanities – *Two courses in two different disciplines beginning with IH: IHAMST, IHCOMM, IHENG, IHFILM, IHFR, IHGER, IHHGS, IHHIST, IHJRN, IHPHIL, IHSP.*

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IA/IH: One additional course in either Arts or Humanities in a discipline not used above.

IN: Natural Sciences – *Two courses in two different disciplines beginning with IN: INASTR, INBIO, INCHEM, INGEOL, INMET or INPHYS.*

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IS: Social Sciences – *Two courses in two different disciplines beginning with IS: ISANTH, ISECON, ISGEOG, ISPOSC, ISPYSC or ISSOC.*

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Interdisciplinary

II: One course in any discipline (even if already used in Perspectives) beginning with II:

NOTE: *In ISP, 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. A total of 24 100-200 level ISP credits (including both ITW and IQL) must be completed before taking a 300-400 level class.*

*Check your major requirements to see if any may also be used to fulfill an Integrative Studies requirement (look for the "I" prefix). Remember, however: credits count **once**.*