BIOLOGY: Bachelor of Science (124 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 (76 credits)

Core Courses (24 cr)

☐ BIO 110 Molecule and Cells ☐ BIO 111 Evolution

(C or higher 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 (24 cr)

*Select **one** course from **each** of the four categories*:

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

Take two additional courses at the 300/400 level to bring total Biology credits to 48.

(Students may take BIO 232 Anatomy and Physiology II for four of these credits.)

☐ BIO _____ ☐ BIO _____

Related Science and Math Courses (28 cr)

☐ INCHEM 111 General Chemistry I ☐ CHEM 112 General Chemistry II

☐ CHEM 221 Organic Chemistry I ☐ CHEM 222 Organic Chemistry II

☐ INPHYS 141 College Physics I ☐ PHYS 142 College Physics II

☐ MATH 141 Introductory Statistics*

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 IN**BIO**) and may appear in more than one category (such as IA**ENG** and IH**ENG**). 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**:* IA**ART**, IA**ENG**, IA**MU** or IA**TAD.**

☐ _____

IH: Humanities – ***Two*** *courses in **two different disciplines** beginning with **IH:*** IH**AMST**, IH**COMM**, IH**ENG**, IH**FILM**, IH**FR,** IH**GER**, IH**HGS**, IH**HIST**, IH**JRN**, IH**PHIL**, IH**SP.**

☐ _____ ☐ _____

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**:* IN**ASTR**, IN**BIO**, IN**CHEM**, IN**GEOL,** IN**MET** or IN**PHYS.**

☐ _____ ☐ _____

IS: Social Sciences – ***Two*** *courses **in two different disciplines** beginning with **IS**:* IS**ANTH**, IS**ECON**, IS**GEOG**, IS**POSC**, IS**PYSC** or IS**SOC.**

☐ _____ ☐ _____

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.***