

Biology Major, A Guide towards Professional School.
**This document is not meant to substitute for advising within your major
nor with Hope's pre-professional advisor!!**

Fall Freshman

BIOL 240	Cells and Genetics
CHEM 111 & 113	General Chem I and Lab I
IDS 100	First Year Seminar
KIN 140	Health Dynamics
ENGL 113:	3 Credits
¹ MATH 131	Calculus I OR other math course

Spring Freshman

BIOL 260	Organismal Biology
CHEM 121 & 114	General Chem II and Lab II
¹ MATH 132	Calculus II OR Statistics
Electives	3-4 credits

DECLARE A MAJOR!!!!

Summer, Year 1: SUMMER RESEARCH AT HOPE OR ELSEWHERE!!

Fall Sophomore

BIOL 280	Ecology and Evolutionary Biology
CHEM 221 & 255	Organic Chem I and Lab I
Electives	6-8 credits

Spring Sophomore

Upper Level Bio	<i>Eg.</i> Genetics or Cell Biology
CHEM 231 & 256	Organic Chem II and Lab II
² PHYS 121 & 141	General Physics I and Lab I
^{3,6} Electives	6 credits

MAY TERM possibilities: Go to Galapagos, go to Africa, go birding!!!

Summer, Year 2: SUMMER RESEARCH AT HOPE OR ELSEWHERE!!

Fall Junior

Upper Level Bio	<i>Eg.</i> Molecular Biology, ⁶ Comparative Vert Anatomy, Animal Behavior, ⁶ Adv. Physiology, ⁵ Adv. Cell Biology, Immunology, ^{5,6} Microbiology, etc.
Electives	
^{4,5,6} CHEM 311	Biochem I
² PHYS 122 & 142	General Physics II and Lab II
Electives	6-8 credits

Spring Junior

Upper Level Bio

Electives

Eg. Adv. Cell Biology, Ethnobotany, Plant Systematics,
⁵Genetics

MATH 210

Introductory Statistics

3Electives

6-8 credits

Summer, Year 3: SUMMER RESEARCH or Internship AT HOPE OR ELSEWHERE!!

Fall Senior

Study Abroad.....fulfill GenEd/Cultural Heritage requirements

Spring Senior

Upper Level Bio or Chem

IDS 172

Cultural Heritage II

³Electives

6-8 credits

¹ Math courses could be shifted to sophomore year

² Most professional schools accept either algebra or calculus based physics

³ Some professional schools (not all) recommend ⁶Psychology 100 or 230 and/or
⁶Sociology 101.

⁴ Some professional schools (not all) recommend Chem 311 and/or 314.

⁵ Specific courses required or recommended by some schools of veterinary medicine.

⁶ Required and/or recommended for dental school applicants.