

Concentration in

General Biology

A concentration in General Biology provides students with the greatest degree of course flexibility. Students uncertain of their post-graduate goals or who wish to experience a wide variety of biology sub-disciplines can choose any biology elective 3000 level or higher to complete their degree. Such course selection can complete the requirements for medical school and allied health, prepare students for research and teaching and provide science exposure suitable for a wide variety of careers in areas such as business, public health and law.

The General Biology concentration is the default for students not completing one of the other more specific concentrations in Microbiology, Cell Biology and Development, Physiology and Organismal Biology or Genetics and Genomics. All courses within these concentrations (with the exception of biostatistics) can be applied to the General Biology concentration.

GENERAL BIOLOGY COURSE REQUIREMENTS FOR THE BIOLOGY BS DEGREE

- 1. BIOL 2000 Molecules and Cells**
- 2. BIOL 2010 Ecology and Evolution**
- 3. BIOL 2040 Investigations in Molecular Cell Biology**
- 4. Category A: Genetics and Genomics. Choose one course from the following**
 - BIOL 3050 Genetics
 - BIOL 3060 Introduction to Genetics
 - BIOL 3150 Introduction to Genomics
- 5. Category B: Physiology and Organismal Biology. Choose one course from the following:**
 - BIOL 3030 Comparative Vertebrate Physiology
 - BIOL 3210 Plant Biology
 - BIOL 4110 Ornithology
 - BIOL 4330 Human Physiology
 - BIOL 4450 Behavioral Ecology
- 6. One Advanced Experience course (see current listing on the Biology Checklist)**

COURSE REQUIREMENTS TO COMPLETE THE BIOLOGY BS DEGREE

Choose additional biology courses, 3000 level or higher, to get to a minimum of 30 credits for all BIOL courses applied to the biology major.

For advice about course selection and/or post-graduate opportunities with this concentration, students can see any of the Biology faculty during walk-in hours just prior to registration. [Síle Ní Scanláin](#) is available M-F 9:00am 1:00m, 2:30-4:00pm, Higgins, 355E.