Concentration in
Physiology and Organismal Biology

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)

ADDITIONAL COURSE REQUIREMENTS TO COMPLETE A CONCENTRATION IN PHYSIOLOGY AND ORGANISMAL BIOLOGY

1. BIOL 3030 Introduction to Physiology OR BIOL 3300 Human Physiology (also applied to Category B above)
2. Choose FIVE additional courses from the following list:
   - BIOL 3030 Comparative Vertebrate Physiology
   - BIOL 3140 Research Methods in Organismal Biology
   - BIOL 3200 Ecology in a Changing Climate
   - BIOL 3210 Plant Biology
   - BIOL 4030 Deep Sea Biology
   - BIOL 4110 Ornithology
   - BIOL 4120 Inflammation and Disease
   - BIOL 4260 Human Anatomy
   - BIOL 4290 Metabolic Regulation and Human Disease
   - BIOL 4330 Human Physiology

See the following faculty for advice about course selection and/or post-graduate research in this concentration:
Emrah Altindis
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Thomas Seyfried
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