

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. BIOL3030 Introduction to Physiology OR BIOL3300 Human Physiology (*also applied to Category B above*)
2. Choose FIVE **additional** courses from the following list:

BIOL 3030 Comparative Vertebrate Physiology	BIOL 4350 Biological Chemistry or CHEM 4461 Biochemistry I
BIOL 3140 Research Methods in Organismal Biology	BIOL 4450 Behavioral Ecology
BIOL 3200 Ecology in a Changing Climate	BIOL 4540 Neuroscience
BIOL 3210 Plant Biology	BIOL 5040 Topics in Developmental Biology
BIOL 4030 Deep Sea Biology	BIOL 5220 Movement in Biology
BIOL 4110 Ornithology	BIOL 5250 Topics in Nutrition and Metabolism
BIOL 4120 Inflammation and Disease	BIOL 5380 Vertebrate Biomechanics
BIOL 4260 Human Anatomy	BIOL 5420 Cancer as a Metabolic Disease
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
Jeffrey DaCosta
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