Concentration in

MICROBIOLOGY

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 MICROBIOLOGY

1. BIOL 3090 Foundations of Microbiology or BIOL 4140 Microbiology
2. Choose FOUR courses from the following list:

BIOL 3090 Foundations of Microbiology
BIOL 4060 Research in Microbial Ecology
BIOL 4090 Virology
BIOL 4140 Microbiology
BIOL 4350 Biological Chemistry or
CHEM 4461 Biochemistry I
BIOL 4440 Vaccination and Immunity
BIOL 4570 Principles of Immunology
BIOL 4810 Research in Molecular Microbiology
BIOL 4830 Research in Molecular Biology Lab
BIOL 4870 Research in Molecular Genetics
BIOL 5060 Recombinant DNA Technology
BIOL 5071 Microbial Community Ecology
BIOL 5100 Microbiome and Human Disease
BIOL 5210 Molecular Basis of Infectious Disease
BIOL 5150 Vaccine Development & Public Health
BIOL 5230 Immunity and Infectious Disease
BIOL 5460 Topics in Microbial Pathogenesis

See the following faculty for advice about course selection and/or post-graduate research in this concentration:
Emrah Altindis
Ismael Ben Fofana
Marc-Jan Gubbels
Charlie Hoffman
Welkin Johnson
Michelle Meyer
Babak Momeni
Heather Olins
Kenneth Williams