

## Microbiology Electives

To complete your major choose from the following electives to include at least one lab course (≥7units)

Topic	Fall Semester	Spring Semester
<b>General</b>	ECOL 320 Genetics (4) PLP 427R General Mycology (3) PLP 427L General Mycology Lab (2) MIC 493 Internship (3)** MIC 499 Independent Study (3)**	PLS 312 Animal & Plant Genetics (4) MCB 410 Cell Biology (3) MCB 411 Molecular Biology (3) MIC 493 Internship (3)** MIC 499 Independent Study (3)** PLP 329A Microbial Diversity (3)
<b>Animal: Microbe Interactions</b>	VSC 403R Biology of Animal Parasites (3) VSC 403L Parasitology Lab (1) VSC 433 Medical and Molecular Virology (4) VSC 443 Research Animal Methods (3) VSC 320 Food Safety (3)	VSC 420 Pathogenic Bacteriology (3) VSC 423 Mechanisms of Disease (4) VSC 438 Ecology of Infectious Disease (3)
<b>Plant: Microbe Interactions</b>	PLP 305 Introduction Plant Pathology (3)	ECOL 475 Freshwater/Marine Algae (4; alternating years) PLP 451 Plant Pathogenic Agents (4; alternating years) VSC 456 Aquaculture (3) (spg even yrs)
<b>Environmental Microbiology</b>	SWES 425 Environmental Microbiology (3) SWES 426 Environmental Micro Lab (2)	SWES 305 Pollution Science (3) SWES 440 Biodegradation (3; alternating years)
<b>Biotechnology</b>	PLS 340 Introduction Biotechnology (3) PHYS 430 Introduction to Biophysics (2; alternating years)	MCB 416 Computer Analysis of Sequences (3) MCB 473 Recombinant DNA Methods(4)

\*\*3 units of Independent Study or Internship can be counted towards the 23 units required for the MIC major

NOTE: All courses are listed under their home department's letter code, however, most are cross-referenced in VSC/MIC.

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