Curriculum for “Immunobiology” Area of Concentration

The courses listed below are those typically taken by students enrolled in the specified areas of concentration, and are provided to help guide you in planning your curriculum. Ultimately, the classes you select will be chosen through discussions with your major advisor and doctoral advisory committee, and subsequently listed on your Plan of Study. These courses may be deemed unnecessary due to previous training at other institutions.

Required Courses:
- ANSC 5692 Graduate Presentation Skills
- ANSC 5694 Animal Science Seminar (twice for PhD students)
- GRAD 5950 Thesis Research

Strongly Recommended Courses:
- ANSC 5632 Vaccines
- MCB 5001 Biochemistry
- MCB 5002 Biochemistry Lab
- PLSC 5150 Statistics
- PVS 5401 Immunobiology
- MCB 5255 Cellular and Molecular Immunology
- MCB 5896 Practical Flow Cytometry and Confocal Microscopy
- GRAD 5950 Thesis Research

Recommended Courses (or their equivalent):
- ANSC 366 Environmental Health
- MCB 5025 Structure and Function of Biological Membranes
- MCB 5280 Advanced Cell Biology
- MCB 5217 Biosynthesis of Nucleic Acids
  - MCB 5616 Experiments in Bacterial Genetics – or –
  - MCB 5423 Experiments in Molecular Genetics
  - MCB 5240 Virology – or –
  - PVS 5201 Microbiology of Atypical Bacteria

Possible Alternative Courses:
- MCB 5256 Animal Cell Culture Laboratory
- MCB 5681 Mechanisms of Bacterial Pathogenicity
- PVS 5431 Avian Pathology
- PVS 5331 Toxicological Pathology
- PVS 5202 Viral Pathogenesis
- PHAR 349 Introduction to Toxicology or PHAR 6455 (Advanced Toxicology)
- PHAR 6459 Immunotoxicology
- PHAR 376 Liver and Kidney Toxicology

Participating Faculty: Drs. Silbart, + Proposed: Lynes, DeGuise, Geary, Rust, Marcus, Sekellick and Garmendia