

Curriculum for “Immunobiology” Area of Concentration [DRAFT]

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 360	Graduate Presentation Skills
ANSC 397	Animal Science Seminar (twice)
GRAD 395	Thesis Research

Strongly Recommended Courses:

ANSC 306	Vaccines
MCB 301	Biochemistry
MCB 302	Biochemistry Lab
PLSC 350	Statistics
PVS 349	Immunobiology
MCB 355	Cellular and Molecular Immunology
MCB 396	Practical Flow Cytometry and Confocal Microscopy
GRAD 395	Thesis Research

Recommended Courses (or their equivalent):

ANSC 366	Environmental Health
MCB 325	Structure and Function of Biological Membranes
MCB 380	Advanced Cell Biology
MCB 317	Biosynthesis of Nucleic Acids
MCB 316	Experiments in Bacterial Genetics – <i>or</i> –
MCB 323	Experiments in Molecular Genetics
MCB 340	Virology – <i>or</i> –
PVS 379	Microbiology of Atypical Bacteria

Possible Alternative Courses:

MCB 356	Animal Cell Culture Laboratory
MCB 381	Mechanisms of Bacterial Pathogenicity
PVS 339	Avian Pathology
PVS 354	Toxicological Pathology
PVS 384	Viral Pathogenesis
PHAR 349	Introduction to Toxicology or PHAR 355 (Advanced Toxicology)
PHAR 359	Immunotoxicology
PHAR 376	Liver and Kidney Toxicology

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