# Master of Comparative Biomedical Sciences

## Infectious Diseases Curriculum

### Semester 1
- **CBIO (MIBO)(IDIS) 6100: Immunology (3 cr.)** (fall/spring)
- **IDIS 8160: Seminar in Infectious Diseases (1 cr.)** (fall/spring)
- **IDIS 8550: Special Topics in Immunology (journal club) (1 cr.)** (fall/spring)
- **IDIS 7000: Master's Research (13 cr.)** (fall/spring/summer)

### Semester 2
- **IDIS 8010: Advanced Studies in Infectious Diseases (4 cr.)** (spring)
- **IDIS 8160: Seminar in Infectious Diseases (1 cr.)** (fall/spring)
- **GRSC 8550: Responsible Conduct of Research (1 cr.)** (fall/spring)
- **IDIS 8590: Special Topics in Disease Intervention (journal club) (1 cr.)** (fall/spring)
- **IDIS 7000: Master's Research (11 cr.)** (fall/spring/summer)

### Semester 3
- **Statistics Courses (pick one)**
  - **BIOS 7010: Introductory Biostatistics I (3 cr.)** (fall)
  - **POPH 8310L: Population Health Statistics (3 cr.)** (odd summers)
- **IDIS 8160: Seminar in Infectious Diseases (1 cr.)** (fall/spring)
- **IDIS 8540: Special Topics in Bacterial Pathogenesis (journal club) (1 cr.)** (spring)
- **IDIS 7000: Master's Research (13 cr.)** (fall/spring/summer)

### Semester 4
- **IDIS 8160: Seminar in Infectious Diseases (1 cr.)** (fall/spring)
- **IDIS 8250: Special Topics in Parasitology (1 cr.)** (spring)
- **IDIS 7000: Master's Research** (fall/spring/summer)
- **Elective(s) if necessary**

### Electives
- **POPH (MIBO)(IDIS) 6450: Microbial Genetics and Genomics (4 cr.)** (fall)
- **POPH (MIBO)(IDIS) 6650: Introduction to Virology (3 cr.)** (fall)
- **BIOS 7020: Introductory Biostatistics II (3 cr.)** (spring)
- **POPH 7060: Avian Diagnostic Microbiology (3 cr.)** (spring)
- **CBIO 8010: Molecular Cell Biology (4 cr.)** (not offered on a regular basis)
- **VPAT 8020: Cellular Pathology (4 cr.)** (not offered on a regular basis)
☐ IDIS 8030: Parasites and Parasitic Diseases (3 cr.) (even fall)
☐ POPH 8050: Avian Virus Diseases (3 cr.) (fall)
☐ IDIS 8080L: Advanced Molecular Techniques (3 cr.) (even maymester)
☐ C BIO (IDIS) 8100: Advanced Immunology (4 cr.) (even spring)
☐ VPAT (IDIS) 8150: Virology and Viral Pathogenesis (3 cr.) (inactive)
☐ IDIS 8300: Advanced Immunology: Innate Immunology (3 cr.) (odd spring)
☐ POPH 8310L: Population Health Statistics (3 cr.) (odd summers)
☐ POPH 8320L: Population Health Statistics II (4 cr.) (odd fall)
☐ IDIS 8350: Principles and Research Applications of Flow Cytometry (3 cr.) (inactive)
☐ CBIO 8500: Biology of Parasitism (4 cr.) (even spring)
☐ IDIS 8591: Advanced Concepts of Virology (3 cr.) (even spring)
☐ GENE 8920: Nucleic Acids (3 cr.) (fall)

COURSES THAT NEED APPROVAL

The following 5000 level courses may be accepted in some programs of study if approved by the student’s graduate committee. These courses do not satisfy requirements for 6000 or 8000 level courses.

☐ IDIS 5130: Veterinary Bacteriology and Mycology (3.4 cr.) (fall)
☐ IDIS 5140: Veterinary Virology (2.2 cr.) (spring)
☐ IDIS 5200: Veterinary Parasitology (3.7) (fall)