

MINOR IN MICROBIOLOGY

The minor in Microbiology is designed to provide a limited but solid foundation in the discipline. The curriculum examines the biology of pathogenic microorganisms with a focus on the fundamental concepts of microbial physiology and genetics. Through the lab associated with its foundational Microbiology course the minor also requires students to develop reasonable expertise in handling and characterizing microorganisms.

MINOR IN MICROBIOLOGY REQUIRED COURSES

The minor is available to students in all degree programs. However, students are advised to discuss their course load and schedules with their program directors and/or faculty advisors. To successfully complete the minor, students must achieve a net minimum GPA of 2.75 in minor coursework. The minor is a collection of three required courses (10 credits) and three elective courses (9 credits) in the discipline.

Required Courses: 10 required credits

BIO 210: Microbiology (4)*

BIO 370: Microbial Physiology (3)

BIO 340: Microbial Genetics (3)

*BSBT students only may substitute CLS 327, CLS 328, CLS 329, and CLS 330 (total of 8 credits) for BIO 210 and an elective (total of 7 credits).

Elective Courses: 9 required credits

9 credits selected from the following courses:

BIO 240: Virology (3)

BIO 365: Medical Parasitology and Mycology (3)

BIO 315: Public Health Microbiology (3)

BIO 348: Microbial Fermentation (3)

BIO 410: Pharmaceutical Microbiology (3)

BIO 627G: Innate Immunology (3)

BIO 631G: Mammalian Cell Culture (3)

BIO 680G: Bacterial Pathogenesis (3)

BIO 690G: Viral Pathogenesis (3)

CLS 327: Clinical Microbiology I (3)

CLS 329: Clinical Microbiology II (3)

PBH 350: Epidemiology (3) or PAD 693: Epidemiology I (3)

PSC 315: Immunology (3) or CLS 337: Clinical Immunology (3)

Other courses by approval of the Minor Coordinator.

Students can declare this minor as soon as the semester during which they are enrolled in their first 200-level or higher course towards the minor, and should declare it no later than the end of the add-drop period of the last semester before graduation. Prior credit transferred to ACPHS at the time of admission may be used to satisfy minor requirements.