

A – REQUIREMENTS – 17 HOURS MINIMUM (17 advanced minimum)

BIOL 4319 Medical Entomology

Category 1 – Diseases – 4 Hours (4 advanced)

Choose one:

BIOL 3401 General Microbiology

BIOL 3403 Medical Microbiology and Immunology

BIOL 4413 General Virology

BIOL 4428 Medical Genomics

Category 2 – Organisms – 4 Hours (4 advanced)

Choose one:

BIOL 3414 Invertebrate Zoology

BIOL 4407 Animal Parasitology

BIOL 4415 Entomology

Category 3 – Ecology – 3 Hours minimum (3 advanced minimum)

Choose one:

BIOL 4317 Disease Epidemiology

BIOL 4388 Global Change Ecology

BIOL 4424 Microbial Ecology

Restricted Electives – 3 Hours (3 advanced)

Choose one:

BIOL 4390 Biology Internship (Public Health Internship)

BIOL 4399 Research Problems in Biology (Must be approved by faculty research advisor in advance)

ADMISSION, PROGRESSION, AND GRADUATION REQUIREMENTS, if applicable:

Admission requirements

Students are eligible to apply to the certificate program when they have earned 30 or more credit hours, a minimum cumulative GPA no less than 2.75, and successfully completed with a minimum grade of C the two Introductory Biology (BIOL 1406 and BIOL 1407) classes at UTRGV (or have transferred in equivalent credit). To apply, students will be required to fill out and submit the required application materials to the Department Chair of Biology.

Progression requirements

Students must maintain a minimum cumulative GPA of 2.75 and a minimum grade of B on all coursework required for the certificate.

Graduation requirements

Students must earn a minimum grade of B on all coursework required for the certificate.