

BS degree

UG Core
(21 credits)

- 4 Biochem 4511
- 5 Micro4100 General Microbiology
- 3 Micro4110 Pathogenesis & Immunobiology
- 3 Micro4120 Microbial Physiology & Diversity
- 3 Micro4130 Microbial Genetics
- 3 Micro4140 Molecular Microbiology Lab

UG Electives
= Grad Core
(9 of 11 credits)

- 3 Micro6020 Physiology and Biochemistry
- 3 Grad Core Diversity 1
- 3 Grad Core Diversity 2

- Micro5161 Intro to Computational Genomics
- Micro6080 Advanced Microbial Genetics
- Micro6155 Microbial Ecology & Evolution

MS degree

Grad Electives
(>7 credits in focus area)

- 2 Micro6010 Principles of Microbiology
- 1 Micro7600 First Year Orientation (S/U)

- Infectious Diseases
- Micro5122 Immunology
 - Micro5147 Eukaryotic Pathogens
 - Micro5149 Virology
 - Micro7010 Cell & Molec Immunology
 - Micro7724 Molecular Pathogenesis
 - Micro7070 Antibiotics
 - VBS7741 Molecular Virology

- Communities & Microbiomes
- Micro5150 Microbial Ecology
 - Micro5155 Environmental Microbiol
 - Micro5160 Geomicrobiology
 - Micro5161* Intro Comp Genomics
 - Micro5536 Food Microbiology
 - Micro8161 Microbiome Informatics

- Molecular Microbiology
- Micro5129 Mol Biol of Path. Euks
 - Micro8050 The RNA World
 - Micro5149 Virology
 - Micro5270 Microb Nat Products
 - Micro6080* Adv Microb Genetics

* a third core diversity class can be taken as one graduate elective class