2019 Microbiology Minor

The Microbiology Minor requires a minimum of 18 credits and a minimum GPA in the minor of 2.000.

Minor Core Coursework
Complete one of the following sequences:

1. MIC 205A – General Microbiology 3
   MIC 205L – General Microbiology Lab 1
   OR
2. MIC 285R – Principles of Microbiology (Spring only) 4
   MIC 285L – Principles of Microbiology Lab (Spring only) 1

AND MIC 419 – Immunology (Fall only) 4

Minor Electives
Complete at least 10 remaining unique units from the following courses:

Fall Semester
ACBS 380R- Food Safety & Microbiology (3)
ACBS 380L- Food Safety & Microbiology (1)
ACBS 400A- Animal Anatomy & Physiology I (3)
ACBS 403R- Biology of Animal Parasites (3)
ACBS 403L - Biology of Animal Parasites Lab (1)
ACBS 443- Research Animal Methods (3)
ACBS 466- Principles of Disease (3)
ACBS 467- Computation in Biomedicine (3)
MIC 329A- Microbial Diversity (3)
MIC 340- Introduction to Biotechnology (3)
MIC 420- Pathogenic Bacteriology (3)
MIC 450- Veterinary Microbiology (3)
MIC 452- Antibiotics: A Biological Perspective (3)
BIOC 385- Metabolic Biochemistry (3)
CHEE 481A- Engineering of Biological Processes (3)
ECOL 320- Genetics (4)
ECOL 326- Genomics (3)
ENTO 310- Living in Symbiosis (3)
ENVS 408- Scientific Writing for Environmental, Agricultural and Life Sciences (3)
ENVS 418- Intro Human Health Risk Assessment (3)
ENVS 425- Environmental Microbiology (3)
ENVS 426- Environmental Microbiology Lab (2)
ENVS 464- Environmental Organic Chemistry (3)
MB 422- Problem Solving with Genetic Tools (3)
NSC 301- Nutrition and the Life Cycle (3)
PLP 305- Introductory Plant Pathology (3)
PLP 320- Microbiomes (3)
PLP 427R- General Mycology (3)
PLP 427L- General Mycology Lab (2)

Spring Semester
ACBS 317- One Health: A Microbial Perspective (3)
ACBS 400B- Animal Anatomy & Physiology II (3)
ACBS 405- Principles of Livestock Health Management (3)
ACBS 420- Meat Animal Composition (3)
ACBS 423- Mechanisms of Disease (3)
MIC 430- Food Microbiology and Biotechnology (3)
MIC 430L- Food Microbiology and Biotechnology Lab (2)
MIC 433- Medical and Molecular Virology (4)
BIOC 385- Metabolic Biochemistry (3)
ECOL 475- Freshwater and Marine Algae (4)
ENVS 305- Pollution Science (3)
ENVS 462- Environmental Soil and Water Chemistry (3)
MCB 410- Cell Biology (3)
MCB 422- Problem Solving with Genetic Tools (3)
MCB 473- Recombinant DNA Methods and Applications (4)
NSC 301- Nutrition and the Life Cycle (3)
PL 312- Plant and Animal Genetics (4)
PL 333- General Virology (3)
PL 360- Plant Growth and Physiology (3)
PL 361- Principles of Plant Physiology Lab (1)
PL 456- Topics in Biotechnology (3)

Summer Semester
ACBS 317- One Health: A Microbial Perspective
MIC 329A- Microbial Diversity (3)
BIOC 385- Metabolic Biochemistry (3)
ECOL 320- Genetics (4)
ECOL 326- Genomics (3)
MB 422- Problem Solving with Genetic Tools (3)
NSC 301- Nutrition and the Life Cycle (3)

*NO DOUBLE DIPPING WILL BE ALLOWED FOR ELECTIVE COURSES*

None of these courses may be used in any other major or minor.