Microbiology Minor Checklist

- A minor must contain at least 9 hours of upper division course work.
- Courses taken to satisfy Core Areas I through V may not be counted as course work in the minor.
- Courses taken in Core Area VI may be counted as course work in the minor.
- Students must earn a "C" (2.0) or higher in required courses.

- **Please note:** Some of these courses have pre-requisites that are not part of the minor. It is your responsibility to make sure that you have met all pre-requisites needed in order to sign up for the minor courses.

**Required Courses: (9 hrs)**
- MIBO 3500 (3 hrs) - Introductory Microbiology
- MIBO 3510L (3 hrs) - Introductory Microbiology Laboratory
- MIBO 4090 (3 hrs) - Prokaryotic Biology

**Choose one of the following: (4 hrs)**
- MIBO 4600L (4 hrs) – Experimental Microbiology Lab
- MIBO 4900L (4 hrs) – Directed Research*
- MIBO 4970H (4 hrs) – Honors Research
- MIBO 4970L (4 hrs) – Directed Research**

  *If you select this option you must complete two semesters, but only the second will count toward the hours for the minor.
  **Pending CAPA approval

**Choose one additional 4000-level MIBO course: (2-4 hrs)**
- FDST(MIBO) 4030-4030L (3 hrs) – Food Microbiology
- CBIO(MIBO)(IDIS) 4100 (3 hrs) - Immunology
- MIBO 4110 (3 hrs) – Plant-Microbe Interactions
- FDST(MIBO) 4120-4120L (3 hrs) – Food Fermentations
- MIBO(POPH) 4220 / 4220S (3 hrs) – Pathogenic Bacteriology
- MIBO 4300 (2 hrs) – Microbial Diversity and Evolution
- EHSC(FDST)(MIBO) 4310-4310L (4 hrs) – Environmental Microbiology
- FDST(EHSC)(MIBO) 4320-4320L (3 hrs) – Food Safety Control Programs
- POPH(MIBO)(IDIS) 4450-4450L (4 hrs) – Microbial Genetics and Genomics
- MIBO 4500 (3 hrs) – Bacterial Symbioses
- MIBO 4600L (4 hrs) – Experimental Microbiology Lab (If not used for the previous requirement)
- CRSS(MIBO) 4610-4610L (4 hrs) – Soil Microbiology
- MARS(MIBO) 4620 (3 hrs) – Microbial Ecology
- POPH(MIBO)(IDIS) 4650 (3 hrs) – Introduction to Virology
- POPH(MIBO) 4651 (3 hrs) – RNA Virus Genomic Diversity
- MIBO 4680 (4 hrs) – Industrial Microbiology and Biotechnology
- MIBO 4700 (3 hrs) – Medical Mycology

**TOTAL HOURS: 15-17**

For more information about minor course work, contact:
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