

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 or Major Requirements 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-" (1.70) or higher in required courses.

Please note: Some of these courses have pre-requisites which are not part of the minor. It is your responsibility to make sure that you have met all the 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: (3-4 hrs)

MIBO 4600L (4 hrs) – Experimental Microbiology Lab
BCMB 4030L (4 hrs) – Lab Techniques in BCMB
BIOL(CBIO) 5050L (3 hrs) – Electron Microscopy Laboratory
BTEC(BCMB)(PBIO) 4000L (4 hrs) – Methods in Biotechnology
CBIO(BIOL) 3410L (4 hrs) – Laboratory in Cellular and Developmental Biology
GENE(BIOL) 4210L (4 hrs) – Molecular Genetics Laboratory
MIBO 4970 (4 hrs) – Honors Research
MIBO 4900 (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.*

Choose one additional 4000-level MIBO course: (3-4 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) 4220S (3 hrs) – Pathogenic Bacteriology
MIBO 4300 (3 hrs) – Microbial Diversity and Evolution
EHSC(FDST)(MIBO) 4310-4310L (4 hrs) – Environmental Microbiology
FDST(EHSC)(MIBO) 4320-4320L (3 hrs) – Hazard Analysis Critical Control Point in the Food Industry
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)(IDIS) 4651 (3 hrs) – RNA Virus Genomic Diversity
MIBO 4680 (4 hrs) – Industrial Microbiology and Biotechnology
MIBO 4700 (3 hrs) – Medical Mycology
MIBO 4710L (3 hrs) – Medical Mycology Laboratory

TOTAL HOURS: 15-17

In cases where one of the above courses must be counted towards the major and, therefore, cannot be counted towards the minor, any 3-hour upper division course in MIBO can substitute for one course with approval of the Microbiology Department.

For more information about minor course work, contact:

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