

MICROBIOLOGY (THESIS) (M.SC.) (45 CREDITS)

Offered by: Natural Resource Sciences (Faculty of Agricultural and Environmental Sciences)

Degree: Master of Science

Program credit weight: 45

Program Description

The Master of Science in Microbiology is a thesis program of 45 credits. The program involves research within, and often across, multiple disciplines of basic and applied environmental sciences that advances our fundamental knowledge about microorganisms as well as leads to improved efficiencies of our managed ecosystems. Specialties within the program range from the study of microbial ecology and diversity in natural, human-induced and extreme environments, molecular genetics, bioinformatics, and bacterial pathogens.

Note: For information about Fall 2025 and Winter 2026 course offerings, please check back on May 8, 2025. Until then, the "Terms offered" field will appear blank for most courses while the class schedule is being finalized.

Thesis Courses (36 credits)

Expand allContract all

Course	Title	Credits
NRSC 691	M.Sc. Thesis Research 1.	12
NRSC 692	M.Sc. Thesis Research 2.	12
NRSC 693	M.Sc. Thesis Research 3.	12

Required Courses (3 credits)

Expand allContract all

Course	Title	Credits
NRSC 643	M.Sc. Proposal Seminar.	1
NRSC 644	M.Sc. Update Seminar.	1
NRSC 651	M.Sc. Final Seminar.	1

Complementary Courses (6 credits)

Two 3-credit 500-, 600-, or 700-level courses; normally one of these will be a course in statistics.