

FOOD SCIENCE & AGRICULTURAL CHEMISTRY: FOOD SAFETY (NON-THESIS) (M.SC.) (45 CREDITS)

Offered by: Food Science&Agr.Chemistry (Faculty of Agricultural and Environmental Sciences)

Degree: Master of Science

Program credit weight: 45

Program Description

The program is intended to train graduate students as specialists in food safety with the expectation that graduates will be well prepared academically to take on the challenging food safety events and issues that emerge both in Canada and globally. The program will cover food safety through the entire food supply chain from food production through processing/manufacturing to the food consumer; the courses which make up the program reflect the food safety considerations at the different stages of the farm to table food supply chain.

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.

Required Courses (12 credits)

Expand allContract all

Course	Title	Credits
FDSC 545	Advances in Food Microbiology.	3
FDSC 624	Current Food Safety Issues.	3
FDSC 626	Food Safety Risk Assessment.	3
FDSC 634	Food Toxins and Toxicants.	3

Research Project (12 credits)

Expand allContract all

Course	Title	Credits
FDSC 697	M.Sc. Project Part 1.	6
FDSC 698	M.Sc. Project Part 2.	6

Complementary Courses (15 credits)

3 credits chosen from the following:

Expand allContract all

Course	Title	Credits
FDSC 695	M.Sc. Graduate Seminar 1.	3
FDSC 696	M.Sc. Graduate Seminar 2.	3

12 credits chosen from the following:

Expand allContract all

Course	Title	Credits
AGRI 510	Professional Practice.	3
BREE 535	Food Safety Engineering.	3
FDSC 525	Food Quality Assurance.	3
FDSC 536	Food Traceability.	3
FDSC 555	Comparative Food Law.	3
NUTR 512	Herbs, Foods and Phytochemicals.	3
OCCH 612	Principles of Toxicology.	3
PARA 515	Water, Health and Sanitation.	3

Elective Courses (6 credits)

At the 500 level or higher, and selected in consultation with the academic adviser.