

# UBC FACULTY OF LAND AND FOOD SYSTEMS

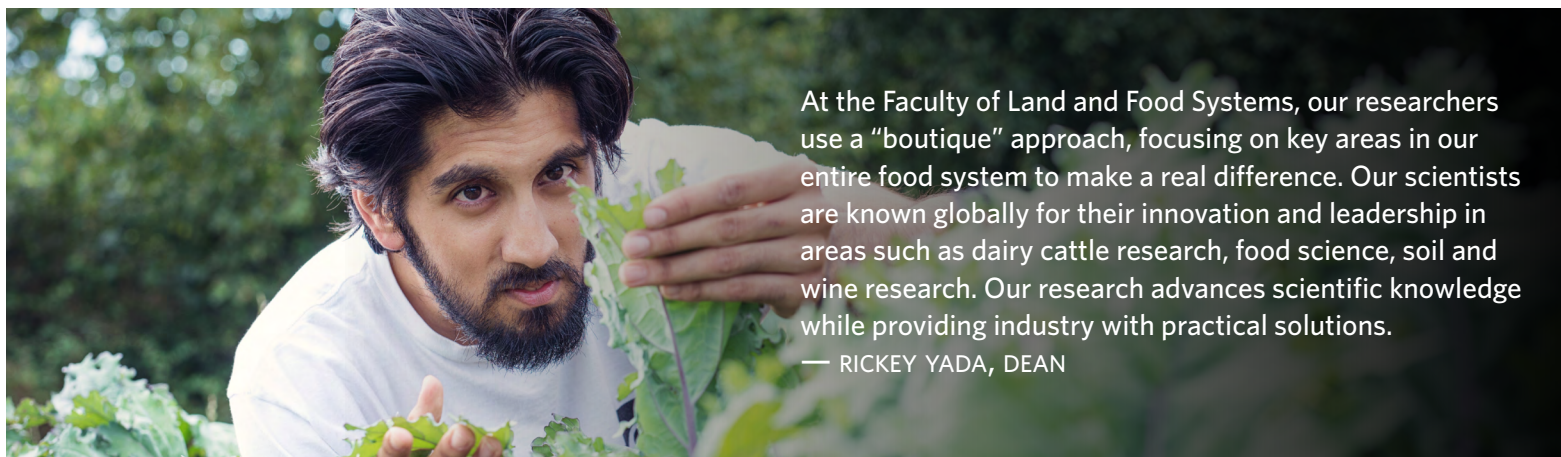


## A healthy and sustainable land and food system is critical.

Your graduate research and training at UBC's Faculty of Land and Food Systems will address important local and global challenges surrounding sustainable agriculture; food safety and quality; and food, nutrition and health. Our scholars find viable solutions to challenges in these areas and are well-known worldwide for their innovation and leadership.

### RESEARCH STRENGTHS & FACILITIES

- › **Soil, Water & Sustainability Research:** Laboratories and field sites offer state-of-the-art equipment for quantitative analysis of soil, water and air components and properties. Field sites range from the UBC Farm and horticultural buildings, to Totem Field with its diverse soil types and adaptive irrigation, to tower sites in the Lower Fraser Valley and on Vancouver Island. [landfood.ubc.ca/swsg](http://landfood.ubc.ca/swsg)
- › **Centre for Sustainable Food Systems at UBC Farm:** A living laboratory that contains agricultural, forest, and transitional landscape areas for interdisciplinary field research [ubcfarm.ubc.ca](http://ubcfarm.ubc.ca).
- › **UBC Dairy Education & Research Centre:** Leaders in dairy cattle health and wellness research are actively engaged with the dairy industry in British Columbia [dairycentre.landfood.ubc.ca](http://dairycentre.landfood.ubc.ca).
- › **Animal Welfare Program:** Improves the lives of animals through research, education, and public outreach [awp.landfood.ubc.ca](http://awp.landfood.ubc.ca).
- › **Food Science:** Modern analytical instrumentation and biohazard facilities for food safety and sensory evaluation, and pilot plant facilities for food formulation, evaluation and processing [landfood.ubc.ca/fsg](http://landfood.ubc.ca/fsg).
- › **Wine Research Centre:** Conducts research in viticulture and plant genomics. [wine.landfood.ubc.ca](http://wine.landfood.ubc.ca).



At the Faculty of Land and Food Systems, our researchers use a “boutique” approach, focusing on key areas in our entire food system to make a real difference. Our scientists are known globally for their innovation and leadership in areas such as dairy cattle research, food science, soil and wine research. Our research advances scientific knowledge while providing industry with practical solutions.  
— RICKEY YADA, DEAN

### GRADUATE PROGRAMS

#### Research-Based Programs

- Applied Animal Biology (MSc, PhD)
- Food Science (MSc, PhD)
- Human Nutrition (MSc, PhD)
- Integrated Studies in Land & Food Systems (MSc, PhD)
- Plant Science (MSc, PhD)
- Soil Science (MSc, PhD)

#### Course-Based Programs

- Food and Resource Economics (MFRE)
- Food Science (MFS)
- Land and Water Systems (MLWS)

### FINANCIAL SUPPORT

Financial support for graduate students within LFS typically comes from one or more of four basic sources: merit-based awards administered by Graduate and Postdoctoral Studies, teaching and research assistantships, need-based awards and direct awards from external agencies. Minimum funding levels are in place to ensure students are financially supported for the first two years of their master's program and first four years of their PhD program. There are also many donor-funded internal awards which include financial travel support for students presenting at major conferences. Please refer to our website for details:

[landfood.ubc.ca/graduate/financial-support-scholarships-awards/](http://landfood.ubc.ca/graduate/financial-support-scholarships-awards/)

### ADMISSIONS

The Faculty of Graduate and Postdoctoral Studies establishes common minimum admission requirements.

Individual graduate programs may have additional requirements. Please refer to the website of a specific graduate degree program for details [landfood.ubc.ca/graduate](http://landfood.ubc.ca/graduate).

### LAND AND FOOD SYSTEM FACTS

- › LFS encompasses several research centres and groups, including Soil, Plant and Animal Sciences; Food Science; Food and Resource Economics; Human Nutrition and Dietetics; and Integrated Studies in Land and Food Systems.
- › LFS soil science researchers have received \$1.8 million from the Agriculture and Agri-Food Canada Greenhouse Gas Program to study greenhouse gas emissions from high value agricultural production crops in British Columbia.
- › To support their research, our Animal Welfare Program received a \$1 million Industrial Research Chair joint award from the Natural Sciences and Engineering Research Council and eight Canadian dairy industry organizations.
- › Our food processing researchers are advancing knowledge in several areas, including microwave-dehydration processes for plant protein isolates, and maintaining safety and quality in the dairy beverage industry.
- › Many of our faculty members have received prestigious UBC Killam Awards in recognition of their outstanding teaching and mentorship.
- › LFS also offers three professional graduate degree programs: Master of Food Science, Master of Food and Resource Economics, and Master of Land and Water Systems.

### THE UNIVERSITY OF BRITISH COLUMBIA

UBC is one of the world's great public universities, encouraging bold thinking, curiosity and initiative, so our students can realize their greatest potential. We hold a reputation for excellence in advanced research and learning, supported by world-class faculty, postdoctoral fellows, students and research facilities across all major academic disciplines.

### GRAD SCHOOL AT UBC

UBC offers more than 300 master's and doctoral programs in nearly every academic field imaginable.

Discover more: [www.grad.ubc.ca](http://www.grad.ubc.ca) | [landfood.ubc.ca/graduate](http://landfood.ubc.ca/graduate)

Email: [lfs.gradapp@ubc.ca](mailto:lfs.gradapp@ubc.ca)

