Guelph houses one of the leading Food Science Departments within Canada and is recognized throughout the world. When one is asked to describe Food Science the thoughts of cooking comes to mind although in reality the subject is a combination of all the pure sciences. Indeed, a Food Scientist acquires knowledge of microbiology, sensory analysis, biochemistry, chemistry, physics and engineering. The essential role of a Food Scientist is focused on how to enhance the quality, safety, functionality and nutrition of foods. This is reflective in the research performed within the Department of Food Science at Guelph. For example, food safety research is directed towards studying approaches to prevent, detect or decontaminate foods. Food preservation methods are researched that encompass processing technologies and packaging innovations. The application of science to improve the quality of dairy products, chocolate, ice cream, cereals and meat are also studied. Research into methods of food analysis and sensory science as well as studies around nutraceuticals and functional foods are high profile research areas. The Department has 15 faculty that includes Industrial and Canadian Research Chairs who are recognized as experts in their respective fields.

What does an MSc and PhD in Food Science involve?

As a graduate student within the University of Guelph you will be advised by one Faculty within the Department and supported by an advisory committee made up of two or more Faculty members. The Department has a collegial atmosphere that enhances your learning experience through gaining experience of different disciplines. To support your studies, faculty may offer a stipend and you will have the opportunity to apply for teaching assistant positions, in addition to applying for fellowships, scholarships and travel grants.

Admission Requirements

**Master's Degree**: Students who have completed an Honours BSc degree with a minimum B average are eligible to apply to the Master's program.

**Doctorate**: Students who have completed a MSc with a minimum B average are eligible to apply to the Doctoral program.

Careers in Food Science

At the end of your graduate studies you will have a diverse range of job opportunities by the virtue of the multi-disciplined nature of Food Science. Over 94% of graduates from Guelph have found employment in such areas of Government, Industry or Academia.

A practical, interesting and challenging program

**Careers in Food Science:**

- Quality
- Research and Development
- Food Plant Management
- Food Safety Inspection

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