

# FOOD SCIENCE, PH.D.

Food and Human Nutritional Sciences

**Head:** Dr. Cristina Rosell

**Grad Chair:** Dr. Harold Aukema

**Campus Address/General Office:** 209 Human Ecology Building

**Telephone:** 204-474-6874

**Fax:** 204-474-7593

**Email Address:** FHNS.Grad@umanitoba.ca

**Website:** [umanitoba.ca/agricultural-food-sciences/food-and-human-nutritional-sciences](https://umanitoba.ca/agricultural-food-sciences/food-and-human-nutritional-sciences) (<https://umanitoba.ca/agricultural-food-sciences/food-and-human-nutritional-sciences/>)

**Academic Staff:** Please visit our Academic Staff webpage (<https://umanitoba.ca/agricultural-food-sciences/food-human-nutritional-sciences-faculty-and-staff/>)

## Food Science Program Information

The Department offers programs in both food science and human nutritional sciences leading to the Master of Science and the Doctor of Philosophy degrees.

## Admission Information

### Admission to the Faculty of Graduate Studies

Application and Admission Procedures are found in the Academic Guide (<https://catalog.umanitoba.ca/graduate-studies/academic-guide/application-admission-registration-policies/>).

Admission requirements for doctoral students are found in the Doctor of Philosophy General Regulations (<https://catalog.umanitoba.ca/graduate-studies/academic-guide/doctor-philosophy-general-regulations/>) section of the Guide.

### Food Science Ph.D. Admission Requirements

In addition to the admission requirements of the Faculty of Graduate Studies, the student must hold a research-thesis-based Master of Science degree or equivalent in the general areas of food or human nutritional sciences from a recognized university. The student must have attained a minimum University of Manitoba equivalent GPA of 3.5 in Master's coursework. Students with a Master of Science in a different scientific discipline will be considered for admission by the Food and Human Nutritional Sciences Graduate Committee (FHNSGSC) on a case-by-case basis.

## Application Information

Students should complete and submit their online application with supporting documentation by the date indicated on the Food Science Ph.D. program of study (<https://umanitoba.ca/explore/programs-of-study/food-science-phd/>) page.

## Degree Requirements

The coursework requirement will consist of a minimum of 6 credit hours at the 7000 level. Of these 6 credit hours, 3 will consist of the seminar course (FOOD 7130, 3 CH or HNCS 7200, 3 CH). Further coursework may be required at the advisory committee's discretion.

**Expected Time to Graduate:** 3.5 years

Course	Title	Hours
<b>Year 1</b>		
GRAD 7300	Research Integrity Tutorial	0
GRAD 7500	Academic Integrity Tutorial	0
FOOD 7130	Food Science Seminar	3
Course at the 7000 level		3
Thesis Proposal <sup>1</sup>		
<b>Hours</b>		<b>6</b>
<b>Years 2-4</b>		
GRAD 8010	Doctoral Candidacy Examination <sup>2</sup>	0
GRAD 8000	Doctoral Thesis <sup>3</sup>	0
<b>Hours</b>		<b>0</b>
<b>Total Hours</b>		<b>6</b>

<sup>1</sup> A written thesis proposal followed by an oral presentation by the student must be assessed and approved by the Advisory Committee within 12 months of commencing the program.

<sup>2</sup> The candidacy exam will consist of 2 parts:

1. A written work consisting of a complete research grant proposal.
2. An oral defense of the written work.

<sup>3</sup> The final examination for the Ph.D. degree proceeds in two (2) stages:

1. Examination of the candidate's thesis by the examining committee;
2. Oral examination of the candidate by all examiners on the subject of the thesis and any matters relating thereto.

## Registration Information

Students should familiarize themselves with the Faculty of Graduate Studies 'GRAD' courses applicable to their program (<https://catalog.umanitoba.ca/graduate-studies/registration-information/>). If you have questions about which GRAD course(s) to register in, please consult your home department/unit.

Prior to registration, students must consult with their advisor and then present a completed registration approval form to the department head. Any changes after the initial registration must also be approved by both advisor and department head.

Courses are subject to cancellation if there is insufficient enrolment. Courses with insufficient enrolment will be cancelled the first week of classes.

## Regulations

Students must meet the requirements as outlined in both Supplementary Regulation and BFAR documents as approved by Senate.

### Supplementary Regulations

Individual units may require specific requirements above and beyond those of the Faculty of Graduate Studies, and students should consult unit supplementary regulations (<https://umanitoba.ca/graduate-studies/supplementary-regulations/>) for these specific regulations.

### Bona Fide Academic Requirements (BFAR)

Bona Fide Academic Requirements (BFAR) (<https://catalog.umanitoba.ca/graduate-studies/academic-guide/academic-performance-general/#BFAR>) represent the core academic requirements a graduate student must acquire in order to gain, and demonstrate acquisition of, essential knowledge and skills.

All students must successfully complete:

- GRAD 7300 prior to applying to any ethics boards which are appropriate to the student's research or within the student's first year, whichever comes first; and
- GRAD 7500 within the first term of registration;

unless these courses have been completed previously, as per Mandatory Academic Integrity Course (<https://catalog.umanitoba.ca/graduate-studies/academic-guide/academic-performance-general/#GRAD7500>) and Mandatory Research Integrity Online Course (<https://catalog.umanitoba.ca/graduate-studies/academic-guide/academic-performance-general/#GRAD7300>).

Students must also meet additional BFAR requirements (<https://umanitoba.ca/graduate-studies/student-experience/core-academic-requirements/#additional-requirements-by-program>) that may be specified for their program.

## **General Regulations**

All students must:

- maintain a minimum degree grade point average of 3.0 with no grade below C+,
- meet the minimum and not exceed the maximum course requirements, and
- meet the minimum and not exceed the maximum time requirements (in terms of time in program and lapse or expiration of credit of courses).