

# Food Science (PhD)

## Degree Requirements

Code	Title	Hours
<b>Core Courses</b>		<b>15</b>
Select nine hours of coursework listed under "Core Courses" approved in conjunction with the academic committee		
Select an additional six hours of coursework listed under either "Core Courses" or "Elective Courses" approved in conjunction with the academic committee		
<b>Supervised Teaching Course</b>		<b>2</b>
FS 885	Doctoral Supervised Teaching <sup>1</sup>	
<b>Seminar Course</b>		<b>1</b>
FS 780	Seminar In Food Science	
<b>Research Ethics Course</b>		<b>1</b>
"Research Ethics" course will be determined in conjunction with the academic committee		
<b>Additional Courses</b>		<b>53</b>
"Additional Courses" will be determined in conjunction with the academic committee to meet 72 total hours <sup>2</sup>		
<b>Total Hours</b>		<b>72</b>

<sup>1</sup> Two semesters of FS 885 Doctoral Supervised Teaching are required.

<sup>2</sup> "Additional Courses" may include FS 895 Doctoral Dissertation Research, FS courses, optional minor courses, and/or interdisciplinary courses.

## Core Courses

Code	Title	Hours
<b>Select courses from at least three categories below:</b>		
<b>Chemistry-Biochemistry</b>		
FS 567	Sensory Analysis of Foods	3
<b>Engineering</b>		
FS 741	Thermal Processing of Foods	3
<b>Microbiology</b>		
FS 540	Food Safety and Public Health	3
FS 725	Fermentation Microbiology	3
<b>Nutrition</b>		
FS 501	Advanced Nutrition and Metabolism	3
FS 555	Exercise Nutrition	3
NTR 701	Protein and Amino Acid Metabolism	3
NTR 706	Vitamin Metabolism	3
NTR 708	Energy Metabolism	3
NTR 775	Mineral Metabolism	3
<b>Processing Technology</b>		
FS 516	Quality Control in Food and Bioprocessing	3
FS 522	Food Packaging	3
FS 530	Post-Harvest Food Safety	3
FS 535	Food Safety Management Systems	3

## Elective Courses

Code	Title	Hours
FS 520	Pre-Harvest Food Safety	3
FS 526	Upstream Biomanufacturing Laboratory	2
FS 550	Food Industry Study Tour	2
FS 554	Lactation, Milk, and Nutrition	3
FS 557	Nutraceuticals and Functional Foods	3
FS 562	Postharvest Physiology	3
FS 580	Professional Development and Ethics in Food Safety	1

Additional courses may be approved in conjunction with the academic committee

## Full Professors

Jonathan C. Allen

Kenneth E. Anderson

Rodolphe Barrangou

Frederick Breidt

Benjamin James Chapman

Lisa Louise Dean

Mary Anne Drake

Lora Suzanne Goodell

Scott A. Hale

Gabriel Keith Harris

Hosni Moustafa Hassan

Lee-Ann Jaykus

Sophia Kathariou

Saad A. Khan

Colin David Kay

Mary Ann Lila

K. P. Sandeep

John Douglas Sheppard

## Associate Professors

April Fogleman

Dana J. Hanson

Suzanne Dunn Johanningsmeier

Slavko Komarnytsky

Andrew Peter Neilson

Ilenys Muniz Perez-Diaz

Clinton Dale Stevenson

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## **Assistant Professors**

Alexander Vladimirovich Chouljenko

Lynette Marie Johnston

Marvin Leonel Moncada Reyes

Deepti Arvind Salvi

Ondulla Tyvette Toomer

Minliang Yang

Haotian Zheng

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## **Practice/Research/Teaching Professors**

Fernanda Bottaro de Oliveira Santos

Josip Simunovic

Nicola Singletary

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## **Adjunct Faculty**

Pablo Marcelo Coronel

Jack Parker Davis

Brian E. Farkas

Mario Giovanni Ferruzzi

William Ronald Aimutis Jr.

Katherine Patterson Maloney

Tawanda Muzhingi

Shengmin Sang