

Food Science (PhD)

Degree Requirements

Code	Title	Hours	Counts towards
Core Courses		15	
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			
Supervised Teaching Course		2	
FS 885	Doctoral Supervised Teaching ¹		
Seminar Course		1	
FS 780	Seminar In Food Science		
Research Ethics Course		1	
"Research Ethics" course will be determined in conjunction with the academic committee			
Additional Courses		53	
"Additional Courses" will be determined in conjunction with the academic committee to meet 72 total hours ²			
Total Hours		72	

¹ Two semesters of FS 885 Doctoral Supervised Teaching are required.

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

Core Courses

Code	Title	Hours	Counts towards
Select courses from at least three categories below:			
Chemistry-Biochemistry			
FS 567	Sensory Analysis of Foods	3	
Engineering			
FS 741	Thermal Processing of Foods	3	
Microbiology			
FS 540	Food Safety and Public Health	3	
FS 725	Fermentation Microbiology	3	
Nutrition			

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
Processing Technology		
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
FS 751	Food Ingredient Technology In Product Development	4

Elective Courses

Code	Title	Hours	Counts towards
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

Faculty

Adjunct Professors

Jonathan C. Allen

Kenneth E. Anderson	Fernanda Bottaro de Oliveira Santos
Rodolphe Barrangou	Josip Simunovic
Frederick Breidt	Nicola Singletary
Benjamin James Chapman	Sarah Liberman Ash
Patricia Ann Curtis	Leonard W. Aurand
Lisa Louise Dean	Hershell R. Ball Jr
Mary Anne Drake	Leon Carl Boyd
Mario Giovanni Ferruzzi	Roy E. Carawan
Scott A. Hale	Daniel E Carroll Jr
Hosni Moustafa Hassan	George L. Catignani
Lee-Ann Jaykus	Edward Allen Foegeding
Sophia Kathariou	David Patrick Green
Saad A. Khan	Max E. Gregory
Duane K. Larick	Victor A. Jones
Mary Ann Lila	Todd Robert Klaenhammer
Richard Linton	Carolyn Jean Lackey
Muquarrab Qureshi	Tyre C. Lanier
K. P. Sandeep	Roger Floyd McFeeters
John Douglas Sheppard	James Leslie Oblinger
April Fogleman	John Eual Rushing
Lora Suzanne Goodell	Timothy H. Sanders
Dana J. Hanson	Steven J. Schwartz
Gabriel Keith Harris	Brian W. Sheldon
Suzanne Dunn Johanningsmeier	Harold E. Swaisgood
Colin David Kay	Kenneth R. Swartzel
Slavko Komarnytsky	Van-Den Truong
Andrew Peter Neilson	Lynn G. Turner
Ilenys Muniz Perez-Diaz	William M. Walter
Clinton Dale Stevenson	Donn R. Ward
Alexander Vladimirovich Chouljenko	William Ronald Aimutis Jr.
Natalie Kathleen Cooke	Alejandro Amezcuita
Lynette Marie Johnston	Pablo Marcelo Coronel
Marvin Leonel Moncada Reyes	Christopher R. Daubert
Deepti Arvind Salvi	Jack Parker Davis
Ondulla Tyvette Toomer	Brian E. Farkas
Haotian Zheng	Katherine Patterson Maloney

Tawanda Muzhingi

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Shengmin Sang

Ratna Rani Sharma

Richard C.Theuer