

Chemistry (MS)

Degree Requirements

Code	Title	Hours
Required Course		2
CH 610	Special Topics In Chemistry (Introduction to Graduate Studies)	
Seminar Course		2
Student must take two semesters of the seminar course below		
CH 601	Seminar	
or CH 801	Seminar	
Thesis Research		11
CH 693	Master's Supervised Research	
or CH 893	Doctoral Supervised Research	
CH 695	Master's Thesis Research	
or CH 895	Doctoral Dissertation Research	
CH 699	Master's Thesis Preparation	
or CH 899	Doctoral Dissertation Preparation	
Additional Courses		18
See "Additional Courses" listed below		
Total Hours		33

Additional Courses

Code	Title	Hours
Select a minimum of six recommended courses below: *		18
Courses Analytical Division		
CH 727	Biological Mass Spectrometry	3
Biorganic & Organic Division		
CH 721	Advanced Organic Chemistry I	3
CH 725	Physical Methods in Organic Chemistry	3
CH 755	Organic Reaction Mechanisms	3
Inorganic Division		
CH 701	Advanced Inorganic Chemistry I: Structure and Bonding	3
CH 795	Special Topics in Chemistry	1-6
CH 721	Advanced Organic Chemistry I	3
or CH 725	Physical Methods in Organic Chemistry	
or CH 737	Quantum Chemistry	
or CH 795	Special Topics in Chemistry	
Physical Division		
CH 737	Quantum Chemistry	3
CH 730	Advanced Physical Chemistry	3

* Other pre-approved courses include letter-graded graduate courses in the College of Sciences, BIT, MSE, BCH, CHE, and FB. Additional courses will be approved in conjunction with the academic committee.

Faculty

Full Professors

Sabre Kais

Felix Nicholas Castellano

Stefan Franzen

Reza Ghiladi

Edith Glazer

Christopher B. Gorman

Elon Ison

Elena Jakubikova

Jonathan S. Lindsey

Lucian Lucia

Thomas Makris

James D. Martin

David C. Muddiman

Alexander A. Nevzorov

Maria T. Oliver-Hoyo

Walter James Pfaendtner

Joshua Pierce

David A. Shultz

Alexej I. Smirnov

Brian Space

Gavin John Williams

Yi Xiao

Yaroslava G Yingling

Associate Professors

Nelson R. Vinuela Benitez

Yevgeny Brudno

Wei-Chen Chang

Ryan Chiechi

Vincent Lindsay

Caroline Proulx

Tatyana I. Smirnova

Thomas Theis

Assistant Professors

Raja Ghosh

Milena Jovanovic

Xiaotong Li

Jun Ohata

Practice/Research/Teaching Professors

Jeremiah Feducia

Audrey Fikes

Daniel Fowler

David Heidary

Ana Ison

Kirsten Kramer

Naish Laloo

Cassie Lilly

Marion Martin

Gregory S. McCarty

Lori Petrovich

Ghada Rabah

Kay Sandberg

Laura Sremaniak

Masahiko Taniguchi

Travis Varner

Maxim Voynov

Emeritus Faculty

Robert D. Bereman

Charles Boss

Edmond Bowden

Phil Brown

Carl L. Bumgardner

Halbert H. Carmichael

Daniel L. Comins

Forrest W. Getzen

Forrest C. Hentz

Morteza Khaledi

S. Levine

Gregory Neyhart

William L. Switzer

Robert Warren

Dennis W. Wertz

Myung H. Whangbo

Jerry L. Whitten

Adjunct Faculty

V. Bornemann