

Bioinformatics (PhD)

Degree Requirements

Code	Title	Hours	Counts towards
Genomics Sciences Core Courses		12	
ST 590	Special Topics (Bioinformatics I)		
GN 735	Functional Genomics		
PP 810	Special Topics (Genomic Sciences Journal Club) ¹		
GN 701	Molecular Genetics		
	or BCH 703 Macromolecular Synthesis and Regulation		
GN 850	Professionalism and Ethics		
Bioinformatics Core Courses		12	
ST 590	Special Topics (Bioinformatics II)		
CSC 530	Computational Methods for Molecular Biology		
ST 512	Statistical Methods For Researchers II		
ST 810	Advanced Topics in Statistics (Bioinformatics Consulting)		
Bioinformatics PhD Courses		8	
PP 810	Special Topics (Genomic Sciences Journal Club) ¹		
ST 501	Fundamentals of Statistical Inference I		
ST 502	Fundamentals of Statistical Inference II		
Elective Courses		9	
"Elective Courses" will be determined in conjunction with the academic committee			
Doctoral Research Courses		32	
"Doctoral Research Courses" will be determined in conjunction with the academic committee			
Total Hours		73	

¹ PP 810 Genomic Sciences Journal Club should be repeated four times (twice for "Genomic Sciences Core Courses" and twice for "Bioinformatics PhD Courses").

Faculty

Full Professors

Jose Miguel Alonso
 Christopher M. Ashwell
 David M. Bird
 Donald L. Bitzer
 Russell J. Borski
 Matthew Breen
 Dennis T. Brown
 Ignazio Carbone
 Marie Davidian
 Jon Doyle
 Robert Graham Franks
 Sujit K. Ghosh
 Amy Michele Grunden
 Jason M. Haugh
 Jacqueline M. Hughes-Oliver
 Erich L. Kaltofen
 Robert M. Kelly
 Matthew D. Koci
 Cristina Lanzas
 Bailian Li
 Hsiao-Ching Liu
 Christian Maltecca
 Earl S. Maxwell
 Melissa Schuster Merrill
 David C. Muddiman
 Spencer V. Muse
 Charles H. Opperman
 James N. Petitte
 Robert M. Petters
 Jorge A. Piedrahita
 Brian J. Reich

Maria C. Sagui

Barbara Sherry

Seth M. Sullivan

Jeffrey L. Thorne

Jung-Ying Tzeng

Mladen Alan Vouk

Ross W. Whetten

Fred Andrew Wright

Qiuyun Xiang

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Rafael Felipe Guerrero Farias

Denis Fourches

Joseph Lee Gage

Caitlin Heil

Amanda Marie Hulse

Jikai Jiang

Xingchen Lin

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David Rasmussen

Christina Zakas

Associate Professors

David Lawrence Aylor

Nicolas Buchler

Gavin Clay Conant

Michael B. Goshe

Steffen Heber

Slavko Komarnytsky

David S. Lalush

Terri A. Long

Arnab Maity

Flora Meilleur

Dahlia M. Nielsen

Jonathan W. Olson

Xinxia Peng

David Michael Reif

Michael L. Sikes

Charles Eugene Smith

Lori June Unruh Snyder

Yihui Zhou

Practice/Research/Teaching Professors

Patricia A. Estes

Jane L. Lubischer

Emeritus Faculty

William Reid Atchley

Wendy F. Boss

Rebecca S. Boston

James W. Brown

Vincent L. C. Chiang

Eugene Eisen

Todd Robert Klaenhammer

Wayne Tompkins

Anastasios A. Tsiatis

Paul L. Wollenzien

Assistant Professors

Hamid Ashrafi

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