

Biological and Agricultural Engineering (PhD): Systems Analysis Concentration

Degree Requirement

Code	Title	Hours
Required Courses		5
BAE 791	Doctoral Research Methods I	
BAE 792	Doctoral Research Methods II	
BAE 885	Doctoral Supervised Teaching	
Mathematics / Statistics / Biomathematics Courses		6
"Mathematics / Statistics / Biomathematics Courses" are determined in conjunction with the academic committee		
Minor Courses		9
Students must select a minor, by which courses are determined in conjunction with the academic committee		
Elective Courses ¹		52
"Elective Courses" are determined in conjunction with the academic committee to meet the 72 total credit hours		
Total Hours		72

¹ Students with a previous Master's Degree are only required to complete 54 total hours

Concentration Elective Courses

Code	Title	Hours
Students must select a minimum of two courses from the following:		
BAE 501	Sensors and Controls	3
BAE 442/542	SAS Advanced Analytics for Agriculture, Food, and Life Sciences Data (pending Admin Board approval 2020)	3
BAE 565	Environmental and Agricultural Analytics and Modeling	3
GIS 715	Geovisualization	3
GN 758	Microbial Genetics & Genomics	3
ISE 754	Logistics Engineering	3
MB 714	Microbial Metabolic Regulation	3
OR 719	Vector Space Methods in System Optimization	3

Faculty

Full Professors

Michael D. Boyette
 Michael R. Burchell II
 Jay Jiayang Cheng
 Mari S. Chinn

Garey Alton Fox
 Scott A. Hale
 William F. Hunt III
 Lingjuan Wang Li
 Gary T. Roberson
 Sanjay Bikram Shah
 Mohamed A. Youssef
 Wenqiao Yuan

Associate Professors

Francois Philippe Birgand
 John J. Classen
 Barbara A. Doll
 Steven George Hall
 Praveen Kolar

Assistant Professors

Celso Francisco Castro Bolinaga
 Grant H. Ellington
 Lucie S. G. Guertault
 Daniela Jones
 Chad Ashley Poole
 Natalie G. Nelson Sagues
 Chadi Sayde
 Mahmoud A. N. A. N. Sharara
 Jason Kellam Ward
 Sierra Young

Practice/Research/Teaching Professors

Otto DeBruhl Simmons III

Emeritus Faculty

George Maynard Chescheir III
 Robert O. Evans Jr.
 Garry L. Grabow
 Rodney L. Huffman
 Gregory Donald Jennings

Richard W. Skaggs

Jean Spooner

Larry F. Stikeleather

Daniel H. Willits

Adjunct Professors

Christopher R Daubert

Ratna Rani Sharma