

# Animal Science and Poultry Science (PhD): Animal Science Concentration

---

## Degree Requirements

Code	Title	Hours	Counts towards
<b>Required Courses</b>			<b>3</b>
ANS 601	Animal Science Seminar		
ANS 810	Topical Problems in Animal Science		
ANS 885	Doctoral Supervised Teaching		
<b>Graduate Electives / Research Credits / Teaching Credits</b>		<b>69</b>	
"Graduate Electives / Research Credits / Teaching Credits" are determined in conjunction with the advisory committee to meet the 72 total hours			
<b>Total Hours</b>		<b>72</b>	

## Additional Requirements and Restrictions

- At least two residence credit points secured in continuous semesters' residence as a graduate student at the university
- Doctoral degrees at NC State require a minimum of 72 graduate credit hours beyond the Bachelor's degree
- For a student who already holds a master's degree upon initial admission to the doctoral program of study, a maximum of 18 hours of relevant graduate credit from the master's degree may be applied toward this minimum upon the recommendation of the student's graduate advisory committee. Therefore, the minimum credit-hour requirement, in this case, is 54 credit hours
- If a student completes a master's degree at NC State and chooses to continue on for a doctoral degree thereby maintaining a continuous registration status, up to 36 credit hours taken while in masters status may be used to meet minimum requirements for the doctoral degree
- Students cannot take 400-level courses or lower as part of the credit-hour requirement for the doctoral program of study
- Students cannot transfer courses into a Ph.D. program (including those taken in PBS status)
- A successful preliminary comprehensive examination which includes both written and oral components
- A dissertation
- Departmental defense seminar
- A final comprehensive oral examination

## Faculty

### Full Professors

Glen William Almond  
 Kenneth E. Anderson  
 Frank W. Edens  
 Joan Eisemann  
 Charlotte E Farin  
 Vivek Fellner  
 Peter R. Ferket  
 Williams Lucas Flowers, IV  
 Jesse Lee Grimes  
 Aaron Kiess  
 Sung Woo Kim  
 Matthew D. Koci  
 Duane K. Larick  
 Hsiao-Ching Liu  
 Christian Maltecca  
 Melissa Schuster Merrill  
 Paul Edward Modziak  
 Jeannette A Moore  
 Jack Odle  
 Edgar Orlando Oviedo-Rondon  
 Shannon Elizabeth Phillips  
 Jorge A Piedrahita  
 Matt H Poore  
 Coby J. Schal  
 Miles T See  
 Paul David Siciliano  
 Frank Siewerdt  
 Eric VanHeugten

---

### Associate Professors

Lisa Bielke  
 Adam Charles Fahrenholz  
 Dana J. Hanson

Mark T. Knauer  
Daniel Heath Poole  
Korinn Edna Saker  
Giuseppe Valacchi

Lawrence Epling  
Mary Helen Fosnaught  
Kent A. Gray  
William O. Herring  
Elizabeth A. Koutsos  
Michael Patrick Martin  
Donald R. McIntyre  
Teena F. Middleton  
Douglas Wyatt Newcom  
Basheer Nusairat  
Hilary Pavlidis  
Hugo Romero-Sanchez  
Simon M. Shane  
Yanbin Shen  
Charles Robert Stark  
Zehava Uni  
Christopher J. Williams

---

## Assistant Professors

Yan Campbell  
Deborah A. Esposito  
Jonathan Paul Holt  
Jicai Jiang  
Michael Vadakekara Joseph  
Suzanne McKay Leonard  
Samuel Mwangi  
Casey C. Nestor  
Carrie L. Pickworth  
Allison Pullin  
Mahmoud Ahmed Nabil Ahmed Naguib Sharara  
Felipe Alves Correa Carvalho da Silva  
Lin Walker  
Xiaoqiu Wang  
Stephanie Hill Ward

---

## Emeritus Faculty

Brenda P Alston-Mills  
Geoffrey A. Benson  
Leonard S Bull  
Thomas A. Carter  
Vern L. Christensen  
Roger G. Crickenberger  
Patricia Ann Curtis  
Eugene Eisen  
Kenneth L. Esbenshade  
Jimmy Dale Garlich  
Winston Murry Hagler  
Raymond W. Harvey  
Gerald B. Havenstein  
Brinton Alden Hopkins  
Gerald B. Huntington  
James R. Jones

---

## Practice/Research/Teaching Professors

Thomas J. Frost  
Kimberly Dawn Ange-Van Heugten  
Deidre Danielle Harmon  
Francesco Tiezzi Mazzoni Della Stella Ma  
Shweta Trivedi  
Lin Xi

---

## Adjunct Faculty

Robert Byron Beckstead  
Raymond Dean Boyd  
Max T. Coffey  
Marissa Cohen

Jean-Marie Luginbuhl

Roger Lee McCraw

William M Morrow

Richard M. Myers

James N. Petite

Robert M. Petters

Odis Wayne Robison

Frank D. Sargent

Brian W. Sheldon

Jason C. Shih

Thomas David Siopes

Jerry Wayne Spears

Steven Paul Washburn

Michael David Whitacre

Lon Weidner Whitlow

Charles Michael Williams

Michael John Wineland