Division of Animal and Nutritional Sciences

Matthew E. Wilson, Interim Division Director of Animal and Nutritional Sciences
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Degrees Offered

- Master of Science in Animal & Nutritional Sciences
- Master of Science and Doctor of Philosophy in Reproductive Physiology
- Doctor of Philosophy in Agricultural Sciences

The master of science in animal and nutritional sciences in the Davis College of Agriculture, Natural Resources, and Design allows maximum flexibility in courses and research problems. Students may major in animal & nutritional sciences, animal physiology, or nutrition & food science. They may work with beef and dairy cattle, sheep, swine, poultry, or laboratory animals or with issues in human health and nutrition. Research problems in farm animals, laboratory animals, and human nutrition issues form the basis for many studies, but a comparative approach is emphasized. A master of science degree is available as a thesis or coursework option. The division offers the registered dietetic certification (RD) preparation internship program as a component of the masters of science degree program in animal and nutritional sciences. Prerequisite requirements are similar to those in other biological sciences. The student should have completed basic courses in the physical and biological sciences, including genetics, nutrition, and physiology. Deficiencies may prolong the time needed to complete degree programs. Meeting the above requirements shall not guarantee the applicant admission because each professor will accept only the number of students that can be supervised adequately with available facilities, time, and funds. Students interested in a Ph.D. should apply for admission to the doctoral program in agricultural sciences or reproductive physiology.

FACULTY

INTERIM DIRECTOR

- Matthew E. Wilson - Ph.D. (Iowa State University)
  Professor - Reproductive Physiology

PROFESSORS

- Kenneth P. Blemings - Ph.D. (University of Wisconsin)
  Assistant Director - Academic Programs, Nutritional Biochemistry
- Robert A. Dailey - Ph.D. (University of Wisconsin)
  Reproductive Physiology
- E. Keith Inskeep - Ph.D. (University of Wisconsin)
  Reproductive Physiology
- Jacek Jaczynski - Ph.D (Oregon State University)
  Food safety
- Jeryl C. Jones - D.V.M., Ph.D. (Auburn University)
  Veterinary Radiology
- P. Brett Kenney - Ph.D. (Kansas State University)
  Animal Science and Meat Science
- Hilla Klandorf - Ph.D. (British Council for National Academic Awards)
  Physiology
- Joseph S. Moritz - Ph.D. (Kansas State University)
  Nutrition and feed manufacture
- Phillip I. Osborn - Ph.D. (Clemson University)
  Extension Specialist - Livestock Marketing and Production

ASSOCIATE PROFESSOR

- Eugene E. Felton - Ph.D. (University of Missouri)
  Ruminant Nutrition
- Marlon Knights - Ph.D. (West Virginia University)
  Reproductive Physiology and Animal Production
- Marie Krause - Ph.D. (University of Wisconsin-Madison)
  Dairy Science Nutrition
- Kristen E. Matak - Ph.D. (Virginia Tech)
  Food Science and Human Nutrition
Division of Animal and Nutritional Sciences

- Susan N. Partington - Ph.D., R.D. (University of Wisconsin)
  Human Nutrition and Foods
- Kenneth J. Semmens - Ph.D. (Auburn University)
  Aquaculture
- Janet C. L. Tou - Ph.D. (University of Toronto, Canada)
  Human Nutrition and Foods
- Jianbo Yao - Ph.D. (McGill University)
  Molecular Biology - Genetics

ASSISTANT PROFESSOR
- Kimberly M. Barnes - Ph.D. (University of Nebraska)
  Animal Science-Biochemistry
- Scott A. Bowdrige - Ph.D. (Virginia Tech)
  Food Animal Production, Parasite Immunology
- Melissa Marra - Ph.D. (Florida International University)
  Human Nutrition and Foods
- Joseph W. McFadden - Ph.D. (Virginia Tech)
  Nutritional Biochemistry
- Melissa D. Olfert - Dr.P.H., M.S., R.D. (Loma Linda University)
  Human Nutrition and Foods
- Kevin Shaffer - Ph.D. (West Virginia University)
  Extension Specialist - Ruminant Nutrition and Feed Efficiency

CLINICAL ASSOCIATE PROFESSOR
- Margaret A. Minch - D.V.M. (Ohio State University)
  Veterinary Medicine

TEACHING ASSISTANT PROFESSOR
- Megan Govindan - M.P.H., M.S., R.D. (West Virginia University)
  Human Nutrition and Foods
- Crystal E. Smith - M.Agr., PAS (The Pennsylvania State University)
  Equine Management

ADJUNCT FACULTY
- Guendoline Brown - Ph.D. (Utah State University)
  Nutrition and Health
- Robert L. Cochrane - Ph.D. (University of Wisconsin)
  Reproductive Physiology
- Jesse Fallon - D.V.M. (Virginia Tech)
  Veterinary Medicine
- Ann Hubbs - Ph.D., D.V.M. (Texas A & M University)
  Veterinary Medicine
- Eric K. Johnson - Ph.D. (University of Wisconsin)
  Mechanical and Aerospace Engineering
- Barbara Jean Meade - D.V.M., Ph.D., M.D. (West Virginia University)
  Veterinary Sciences
- Dale W. Porter - Ph.D. (West Virginia University)
  Toxicology
- Caird E. Rexroad III - Ph.D. (Texas A & M University)
  Genetics
- George R. Seiler - D.V.M. (Florida State University)
  Veterinary Sciences
- Alfred H. Stiller - Ph.D. (University of Cincinnati)
  Chemistry
- Richard Z. Woodworth - M.S. (West Virginia University)
  Agriculture
EMERITUS FACULTY

- William E. Collins - Ph.D. (University of Wisconsin)
  Reproductive Physiology
- Leslie Dozsa - D.V.M. (College Veterinary Medicine, Budapest)
  Veterinary Medicine
- Betty J. Forbes - R.D., L.D., M.A. (West Virginia University)
  Normal, Community, and Clinical Nutrition
- Mary K. Head - R.D., Ph.D. (Purdue University)
  Human Nutrition and Foods
- Paul E. Lewis - Ph.D. (West Virginia University)
  Reproductive Physiology
- William H. Hoover - Ph.D. (Penn State University)
  Animal Nutrition
- M. Zafar Alam Nomani - Ph.D. (Rutgers University)
  Nutrition
- Ronald A. Peterson - Ph.D. (Michigan State University)
  Nutritional Physiology of Poultry
- Edward C. Prigge - Ph.D. (University of Maine)
  Animal Nutrition
- Paul M. Smith - M.S. (West Virginia University)
  Dairy Foods
- Wayne R. Wagner - Ph.D. (Colorado State University)
  Extension Specialist - Animal Breeding and Genetics
- John Warren - Ph.D. (University of Maryland)
  Reproductive Physiology

AFFILIATED FACULTY

- Heather J. Billings - Ph.D. (University of Michigan)
  Associate Professor - Neuroendocrinology and Anatomy
- Melanie J. Clemmer - Ph.D. (West Virginia University)
  Assistant Professor - Assisted Reproductive Technology
- Mitchell S. Finkel - M.D. (University of Maryland)
  Professor - Prenatal Stress on Cardiac Endocrinology
- Cindy W. Fitch - Ph.D. (Case Western Reserve University)
  Professor - Human Nutrition
- Stanley Hileman - Ph.D. (University of Kentucky)
  Associate Professor - Neuroendocrine and Nutritional Effects on Reproduction
- Ida Holaskova - Ph.D. (West Virginia University)
  Assistant Professor - Reproductive Immunology
- Rajesh K. Naz - Ph.D. (All India Institute of Medical Sciences)
  Professor - Male Physiology and Immunology
- Litha Sivanandan - Ph.D. (University of Georgia)
  Assistant Professor - Extension Specialist, Food Science
- Michael W. Vernon - Ph.D. (University of Florida)
  Professor - Reproductive Endocrinology and Assisted Reproductive Technology
- Jean M. Woloshuk - Ed.D. (West Virginia University)
  Professor - Extension Specialist