

Courses commonly taken by APSC graduate students:

AAEC 5104: Research Project Planning
ALCE 5104: Research Applications in ALCE
ALS 5004: Animal Nutrition Seminar
ALS 5064 (BIOL 5064) (PPWS 5064) (BCHM 5064):
Seminar in Molecular Cell Biology and Biotechnology
ALS 5084: Advanced Ruminant Nutrition Colloquium
ALS 5094: Effective Grant Writing
ALS 5115: Nutrition
ALS 5116: Nutrition
ALS 5204: Research and Information Systems in the Life
Sciences
ALS 5304: Advanced Physiology and Anatomy of
Domestic Animals
ALS 5314: Comparative Reproductive Physiology
ALS 5324: Research Ethics in Agriculture and Life Sciences
ALS 5334: Professional Communication Agriculture & Life
Sciences
ALS 5405: Analysis of Animal Experiments with SAS
ALS 5406: Analysis of Animal Experiments with SAS
ALS 5504: Quantitative Genetics Applications of Matrix
Algebra
ALS 6314: Endocrinology
APSC 5004: Graduate Seminar
APSC 5104: Professional Development of Graduate
Students
APSC 5044 (PPWS 5044): Biotechnology in Agriculture
and Society
APSC 5054G: Advanced Genomics
APSC 5444: Current Topics in Reproduction
BCHM 5124: Biochemistry for the Life Sciences
BCHM 5224: Protein Structure and Function

BCHM 5344 (PPWS 5344): Molecular Biology for the Life
Sciences
BIOL 5104: Advanced Developmental Biology
BIOL 5404: Neuroethology
BIOL 5434: Behavioral Endocrinology
BIOL 5884: Molecular Biology of the Cell
BMES 5314: Introduction to Regenerative Medicine
BVMS 5044: Veterinary Immunology
BMVS 5574: Advanced Poultry Diseases
BMVS 6714: Frontiers of Immunology in Health and
Disease
BSE 5504G: Adv. Bioprocess Engineering
BSE 5624: Enzyme Engineering
CSES 5214: Soil-Plant Relationships
CSES 5544: Soil-Plant-Animal Interrelationships in
Grasslands
CSES 5554: Ecology of Grazing Land Systems
GRAD 5004: GTA Workshop
GRAD 5104: Academic Integrity and Plagiarism
HNFE 5224: Proteins and Enzymes in Foods
HNFE 5804: Exercise Physiology
STAT 5044: Regression and Analysis of Variance
STAT 5124: Linear Models Theory
STAT 5204: Experimental Design and Analysis I
STAT 5204G: Experimental Design: Concepts and
Applications
STAT 5605: Biometry
STAT 5606: Biometry
STAT 5615: Statistics in Research
STAT 5616: Statistics in Research

We also offer special studies (APSC 5984) in topics such as:

Advanced Bovine Reproduction Practices
Animal Genome Biology
Current Topics in Embryology
Economic Breeding Programs
Heterosis & Crossbreeding Sys

Muscle Form and Function
Primer to Quantitative Genetics
Regulation Livestock Growth
Selection Index Theory & App

Up to 6 credits of 4000-level courses may count towards degree requirements. Related courses include:

ALS 4574 (BIOL 4574): Social Behavior of Birds and
Mammals
APSC 4004: Contemporary Issues in the Animal Sciences
APSC 4054 (BCHM 4054): Genomics
APSC 4064: Issues in Companion Animal Management
APSC 4124: Equine Health and Disease
APSC 4224: Equine Exercise Physiology
APSC 4304 (DASC 4304): Bovine Reproduction Practices
APSC 4324: Equine Reproduction and Neonatal Care
APSC 4404: Commercial Poultry Enterprise Management
APSC 4414: Beef and Sheep Production and Industry

APSC 4424: Horse Production and Management
APSC 4444: Swine Production
APSC 4464: Companion and Laboratory Animal Health
and Management
APSC 4554: Advanced Livestock Enterprise Management
APSC 4624: Topics in Equine Science
BIOL 4704: Immunology
CSES 4544: Forage Crop Ecology
ENGL 4804: Grant Proposals and Reports
FST 4504: Food Chemistry
FST 4604 (BIOL 4604): Food Microbiology