COMPANION ANIMAL AND EQUINE SCIENCE CONCENTRATION

The companion animal and equine science concentration is designed for students intending to pursue a career in those industries generally not associated with traditional meat animal or dairy production. Students will take courses that prepare them for careers in specialized fields of animal care, animal health and animal well-being associated with zoos, kennels, research laboratories, and the racing industry.

Prescribed Courses including Campus General Education

Composition I and Speech
RHET 105  Writing and Research (or equivalent) (see college Composition I requirement)  4
CMN 101  Public Speaking  3

Advanced Composition
Select from campus approved list.  3-4

Cultural Studies
One Western culture and one non-Western U.S. minority culture course  6

Foreign Language
Coursework at or above the third level is required for graduation.

Quantitative Reasoning I
Select one of the following:  4-5
MATH 220  Calculus
MATH 221  Calculus I
MATH 234  Calculus for Business I

Quantitative Reasoning II
Select one of the following:  3-4
ACE 261  Applied Statistical Methods
CPSC 241  Intro to Applied Statistics
ECON 202  Economic Statistics I
PSYC 235  Intro to Statistics
STAT 100  Statistics
SOC 280  Intro to Social Statistics

Natural Sciences and Technology
CHEM 102  General Chemistry I  4
& CHEM 103  and General Chemistry Lab I
CHEM 104  General Chemistry II  4
& CHEM 105  and General Chemistry Lab II
MCB 100  Introductory Microbiology  5
& MCB 101  and Intro Microbiology Laboratory

Humanities and the Arts
Courses selected from campus approved list  6

Social Sciences
ECON 102  Microeconomic Principles  3
or ACE 100  Agr Cons and Resource Econ
Additional social or behavioral science course; cannot be an economics course.  3-4

ACES Required
ACES 101  Contemporary Issues in ACES  2

Animal Sciences Required
ANSC 100  Intro to Animal Sciences  4
ANSC 101  Contemporary Animal Issues  3
ANSC 103  Working With Farm Animals  2
ANSC 221  Cells, Metabolism and Genetics  3
ANSC 222  Anatomy and Physiology  3
ANSC 223  Animal Nutrition  3
ANSC 224  Animal Reproduction and Growth  4
ANSC 298  Undergraduate Seminar  1
ANSC 398  UG Experiential Learning  1
ANSC 498  Integrating Animal Sciences  2

Companion Animal and Equine Science Concentration Required
Select three of the following:  9
ANSC 206  Horse Management
ANSC 250  Companion Animals in Society
ANSC 306  Equine Science
ANSC 307  Companion Animal Management
ANSC 407  Animal Shelter Management
ANSC 422  Companion Animal Nutrition
ANSC 467  Applied Animal Ecology

Select one of the following:  3
ANSC 201  Principles of Dairy Production
ANSC 204  Intro Dairy Cattle Evaluation
ANSC 205  World Animal Resources
ANSC 209  Meat Animal Carcass Eval
ANSC 211  Breeding Animal Evaluation
ANSC 219  Meat Technology
ANSC 305  Human Animal Interactions
ANSC 310  Meat Selection and Grading
ANSC 312  Advanced Livestock Evaluation
ANSC 313  Horse Appraisal
ANSC 314  Adv Dairy Cattle Evaluation
ANSC 322  Livestock Feeds and Feeding
ANSC 370  Companion Animal Policy
ANSC 400  Dairy Herd Management
ANSC 401  Beef Production
ANSC 402  Sheep Production
ANSC 403  Pork Production
ANSC 404  Poultry Science
ANSC 405  Advanced Dairy Management
ANSC 435  Milk Quality and Udder Health
ANSC 437  Adv Reproductive Management
ANSC 471  ANSC Leaders & Entrepreneurs

Select two of the following:  6
ANSC 331  Biology of Reproduction
ANSC 350  Cellular Metabolism in Animals
ANSC 363  Behavior of Domestic Animals
ANSC 366  Animal Behavior
ANSC 406  Zoo Animal Conservation Sci

Information listed in this catalog is current as of 12/2015
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Additional elective courses must be completed to yield at least 126 total Hours for graduation.

Total Hours 126