SCIENCE, PRE-VETERINARY AND MEDICAL CONCENTRATION

The science and pre-veterinary medical concentration is specifically designed for students interested in graduate school, professional training, or technical positions after the undergraduate degree. It is intended to satisfy most entrance requirements to post-graduate programs and emphasizes basic science courses. The concentration enables a student to complete all of the pre-veterinary science requirements while working towards a B.S. degree.

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
SOC 280  Intro to Social Statistics
STAT 100  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 and Behavioral Sciences

ECON 102  Microeconomic Principles  3-4
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

Science, Pre-Veterinary and Medical Concentration Required

Select two of the following:  6
ANSC 201  Principles of Dairy Production
ANSC 204  Intro Dairy Cattle Evaluation
ANSC 205  World Animal Resources
ANSC 206  Horse Management
ANSC 211  Breeding Animal Evaluation
ANSC 219  Meat Technology
ANSC 250  Companion Animals in Society
ANSC 301  Food Animal Production, Management, and Evaluation
ANSC 305  Human Animal Interactions
ANSC 307  Companion Animal Management
ANSC 309  Meat Production and Marketing
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 407  Animal Shelter Management
ANSC 435  Milk Quality and Udder Health
ANSC 437  Adv Reproductive Management
ANSC 471  ANSC Leaders & Entrepreneurs

Select four of the following:  12
ANSC 306  Equine Science
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
ANSC 409  Meat Science
ANSC 420  Ruminant Nutrition

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<td>ANSC 561</td>
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Additional elective courses must be completed to yield at least 126 total Hours for graduation.

Total Hours: 126