

THE UNIVERSITY OF FINDLAY
ANIMAL SCIENCE STUDIES
DEGREE REQUIREMENTS
PRE-VET EMPHASIS

____ ANSC 110 – First Year Experience for Animal Science Majors (1hr)

Animal Science Introduction Course

____ ANSC 131 – Introduction to Animal Science (3hrs) OR EQST 101 – Introduction to Equine Science

Principles of Nutrition

____ ANSC 231 – Principles of Food Animal Nutrition (3hrs) OR EQST 201 – Principles of Equine Nutrition

Physiology of Reproduction

____ ANSC 232 – Physiology of Reproduction & Growth (3hrs) OR EQST 202 – Physiology of Equine Reproduction

Principles of Genetics

____ ANSC 310 – Principles of Animal Breeding & Genetics (3hrs) OR BIOL 310 – Human Genetics (3hrs)

Animal Medicine-MUST TAKE 1 of 2

____ ANSC 331 - Small Animal Medicine (3hrs)

____ ANSC 332 - Food Animal Medicine (3hrs)

Mathematics-MUST TAKE 1 of 3

____ MATH 123 – Statistics (3hrs)

____ MATH 221 - Integrated Statistical Analysis (3hrs)

____ MATH 223 – Applied Statistics and Data Analysis (3hrs)

Core Lower Level

____ CHEM 130/130L – General Chemistry I (4hrs)

____ CHEM 131/131L – General Chemistry II (4hrs)

____ CHEM 210/210L – Organic Chemistry I (4hrs)

____ CHEM 211/211L – Organic Chemistry II (4hrs)

Core Upper Level

____ BIOL 330/330L – Comparative Anatomy (4hrs)

____ BIOL 332/332L – Animal Physiology (4hrs)

____ CHEM 400 – Biochemistry (4hrs)

Production and Management-MUST TAKE 2 OF 5

____ ANSC 351 – Beef Production & Mgmt. (2hrs)

____ ANSC 352 – Dairy Production & Mgmt. (2hrs)

____ ANSC 353 – Sheep Production & Mgmt. (2hrs)

____ ANSC 354 – Swine Production & Mgmt. (2hrs)

____ ANSC 355 – Horse Production & Mgmt. (2hrs)

Junior Seminar

____ ANSC 399 – Junior Seminar in Animal Science (1hr)

Senior Seminar

____ ANSC 499 – Senior Seminar in Animal Science (1hr)

REQUIRED COURSES FOR MOST VETERINARY SCHOOLS

____ BIOL 251/251L – Intro. Cell & Molecular Biology (4hrs)

____ BIOL 252/252L – Biodiversity (4hrs)

____ BIOL 302 – Cell Biology (3hrs)

____ BIOL 310/310L – Human Genetics (4hrs)

____ BIOL 412/412L – Microbiology (4hrs)

____ MATH 140 – Precalculus (4hrs)

____ PHYS 250/250L – Physics I (4hrs)

____ PHYS 251/251L – Physics II (4hrs)

HIGHLY RECOMMENDED FOR VETERINARY SCHOOLS

____ BIOL 300 – Immunology (3hrs)

Pre-vet should take from provided option

Animal Science Upper and Lower-Level Electives-15 credits required, MUST TAKE 9 credits of Upper Level

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| ___ ANSC 133 – Practical Animal Handling I: Equine (2hrs) | ___ ANSC 435 – Introduction to Animal Ultrasound (2hrs) |
| ___ ANSC 134 – Practical Animal Handling II: Food Animals (2hrs) | ___ ANSC 460 – Meat Products & Processing (3hrs) |
| ___ ANSC 240 – Animal Products (3hrs) | ___ ANSC 470 – Research in Animal Science (max 6 hrs) |
| ___ ANSC 260 – Principles of Meat Science (3hrs) | ___ ANSC 480 – Internship (max 6hrs) |
| ___ ANSC 310 – Principles of Animal Breeding and Genetics (3hrs)* | ___ ANSC 485 – International Animal Science Experience (max 6 hrs) |
| ___ ANSC 315 – Farm Business Management (3hrs) | ___ ANSC 490 – Advanced Topics in Animal Science (max 6hrs) |
| ___ ANSC 320 – Meat Animal Evaluation (3hrs) | ___ EQST 102 – Equine Selection/Judging – Western (3hrs) |
| ___ ANSC 330 – Forage & Crop Production (3hrs) | ___ EQST 103 – Introduction Therapeutic Riding (3hrs) |
| ___ ANSC 331 – Small Animal Medicine (3hrs)* | ___ EQST 104 – Equine Selection/Judging – English (3hrs) |
| ___ ANSC 332 – Food Animal Medicine (3hrs)* | ___ EQST 203 – Software Application Equine Business Mgmt. (3hrs) |
| ___ ANSC 340 – Livestock & Agricultural Product Merchandising (3hrs) | ___ EQST 301 – Equine Preventative Medicine (3hrs) |
| ___ ANSC 351 – Beef Production & Mgmt. (2hrs)* | ___ EQST 302 – Farm & Stable Management (3hrs) |
| ___ ANSC 352 – Dairy Production & Mgmt. (2hrs)* | ___ EQST 332 – Equine Exercise Physiology (3hrs) |
| ___ ANSC 353 – Sheep Production & Mgmt. (2hrs)* | ___ EQST 337 – Equine Marketing (3hrs) |
| ___ ANSC 354 – Swine Production & Mgmt. (2hrs)* | ___ EQST 380 – Professional Horse Show Practicum (3hrs) |
| ___ ANSC 355 – Horse Production & Mgmt. (2hrs)* | ___ EQST 401 – Teaching Basic Training & Equitation Skills (3hrs) |
| ___ ANSC 351L – Beef Production & Management/Lab (1hr) | ___ EQST 402 – Advanced Equine Reproduction (3hrs) |
| ___ ANSC 352L – Dairy Production & Management/Lab (1hr) | ___ EQST 403 – Teaching Basic Training & Equitation Skills II (3hrs) |
| ___ ANSC 353L – Sheep Production & Management/Lab (1hr) | ___ EQST 404 – Advanced Equine Nutrition (3hrs) |
| ___ ANSC 354L – Swine Production & Management/Lab (1hr) | ___ EQST 405 – Advanced Reproduction Techniques (2hrs) |
| ___ ANSC 355L – Horse Production & Management/Lab (1hr) | ___ EQST 411 – Farm Equipment Management (3hrs) |
| ___ ANSC 360 – Principles of Food Safety (3hrs) | ___ EQST 435 – Equine Law (3hrs) |
| ___ ANSC 402 – Advanced Animal Reproduction (3hrs) | ___ EQST 480 – Internship (max 6hrs) |
| ___ ANSC 404 – Advanced Animal Nutrition (3hrs) | ___ EQST 490 – Advanced Topics in Equine Science (max 6hrs) |
| ___ ANSC 412 – Advanced Food Animal Reproduction Techniques (2hrs) | ___ PVET 310 – Graduate/Professional School Seminar (1hr) |
| | ___ PVET 490 – Clinic Internship (1hr) |

***Courses required for the emphasis will not double count as an elective. Once emphasis requirement is fulfilled additional courses in the same category can count as electives.**

General Education Requirements – CORE+

C (Critical Thinking Skills)

- C1 _____
 C2 _____
 C3 _____

O (Oral and Written Communication Skills)

- O1 _____
 O2 _____
 O3 _____

R (Relationships with the World)

- R1 _____
 R2 _____
 R3 _____

E (Engagement for Meaningful Lives and Productive Career)

- E1 _____
 E2 _____
 E3 _____

U (Oiler Six Outcomes)

- U1 _____
 U2 _____