

**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 – 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)

\_\_\_\_ ANSC 356 – Poultry 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 – 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 Electives-15 credits required**

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| ___ ANSC 133 – Practical Animal Handling I: Equine (2hrs)            | ___ ANSC 356L – Poultry Production & Mgmt. (1 hr)                  |
| ___ ANSC 134 – Practical Animal Handling II: Food Animals (2hrs)     | ___ ANSC 360 – Principles of Food Safety (3hrs)                    |
| ___ ANSC 240 – Animal Products (3hrs)                                | ___ ANSC 402 – Advanced Animal Reproduction (3hrs)                 |
| ___ ANSC 260 – Principles of Meat Science (3hrs)                     | ___ ANSC 404 – Advanced Animal Nutrition (3hrs)                    |
| ___ ANSC 305 – Graduate/Professional School Seminar (1hr)            | ___ ANSC 412 – Advanced Food Animal Reproduction Techniques (2hrs) |
| ___ ANSC 310 – Principles of Animal Breeding and Genetics (3hrs)*    | ___ ANSC 435 – Introduction to Animal Ultrasound (2hrs)            |
| ___ ANSC 315 – Farm Business Management (3hrs)                       | ___ ANSC 460 – Meat Products & Processing (3hrs)                   |
| ___ ANSC 320 – Meat Animal Evaluation (3hrs)                         | ___ ANSC 470 – Research in Animal Science (max 6 hrs)              |
| ___ ANSC 330 – Forage & Crop Production (3hrs)                       | ___ ANSC 480 – Internship (max 6hrs)                               |
| ___ ANSC 331 – Small Animal Medicine (3hrs)*                         | ___ ANSC 485 – International Animal Science Experience (max 6 hrs) |
| ___ ANSC 332 – Food Animal Medicine (3hrs)*                          | ___ ANSC 490 – Advanced Topics in Animal Science (max 6hrs)        |
| ___ ANSC 340 – Livestock & Agricultural Product Merchandising (3hrs) | ___ BIOL 310 – Genetics  |
| ___ ANSC 351 – Beef Production & Mgmt. (2hrs)*                       | ___ EQST 301 – Equine Preventative Medicine (3hrs)                 |
| ___ ANSC 352 – Dairy Production & Mgmt. (2hrs)*                      | ___ EQST 302 – Farm & Stable Management (3hrs)                     |
| ___ ANSC 353 – Sheep Production & Mgmt. (2hrs)*                      | ___ EQST 332 – Equine Exercise Physiology (3hrs)                   |
| ___ ANSC 354 – Swine Production & Mgmt. (2hrs)*                      | ___ EQST 337 – Equine Marketing (3hrs)                             |
| ___ ANSC 355 – Horse Production & Mgmt. (2hrs)*                      | ___ EQST 402 – Advanced Equine Reproduction (3hrs)                 |
| ___ ANSC 356 – Poultry Production & Mgmt. (2hrs)*                    | ___ EQST 404 – Advanced Equine Nutrition (3hrs)                    |
| ___ ANSC 351L – Beef Production & Management/Lab (1hr)               | ___ EQST 405 – Advanced Reproduction Techniques (2hrs)             |
| ___ ANSC 352L – Dairy Production & Management/Lab (1hr)              | ___ EQST 435 – Equine Law (3hrs)                                   |
| ___ ANSC 353L – Sheep Production & Management/Lab (1hr)              | ___ EQST 480 – Internship (max 6hrs)                               |
| ___ ANSC 354L – Swine Production & Management/Lab (1hr)              | ___ EQST 490 – Advanced Topics in Equine Science (max 6hrs)        |
| ___ ANSC 355L – Horse Production & Management/Lab (1hr)              |  |

Any ASLA (Loop Abroad) course (max 6 hrs)

**\*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 \_\_\_\_\_