



Bachelor of Science

Major: Animal Science

Specialization: Production Management

2024-2025 Sample 4-Year Plan

Total Degree Requirements: 120 credits

Student _____ Student ID# _____ Student Phone # _____

Advisor _____ Minimum GPA _____ Minor/Career Interest(s) _____

Students are not limited to this plan; it is meant to be used as a guide for planning purposes in consultation with your advisor. The sample schedule is one possible path to completing your degree within four years. For official program requirements, please refer to the [Undergraduate Catalog](#).

FIRST YEAR

Fall

| Prefix + Number | Course Title | Prerequisites/Comments | Credits | Semester | Grade |
|---|--|--|------------|---------------|-------|
| AS 119 | Opportunities in Animal and Veterinary Science | c. AS 120 or VET 120 | 1 | F | |
| AS 101-101L* | Introduction to Animal Science & Lab | Fall semester for First-Year Animal Science majors | 3,1 | F/S | |
| AS 120 or VET 120 | Survey of Animal Science or Introduction to Veterinary Medicine | c. AS 119 | 1 | F | |
| BIOL 101-101L or BIOL 151-151L | Biology Survey I & Lab (3 cr) (SGR #6) or General Biology I & Lab (4 cr) (SGR #6) | | 2,1 3,1 | F/S F/S(I) | |
| MATH 114 or MATH 115 or MATH 121-121L or MATH 123 | College Algebra (3 cr) (SGR #5) or Precalculus (5 cr) (SGR #5) or Survey of Calculus and Lab (5 cr) (SGR #5) or Calculus I (4 cr) (SGR #5) | p. MATH 101 or 103, or placement p. MATH 114, or placement p. MATH 114, 115, 120 or placement p. MATH 115, 120 or placement | 3-5 | | |
| SGR #2 | Oral Communication (SGR #2) | | 3 | | |
| Total Credit Hours | | | 15 | | |

Spring

| Prefix + Number | Course Title | Prerequisites/Comments | Credits | Semester | Grade |
|--------------------------------|---|--|---------|------------------|-------|
| BIOL 103-103L or BIOL 153-153L | Biology Survey II & Lab (3 cr) (SGR #6) or General Biology II & Lab (4 cr) (SGR #6) | | 3 | F(I)/S F(I)/S | |
| CHEM 106-106L or CHEM 112-112L | Chemistry Survey & Lab (SGR #6) or General Chemistry I & Lab (SGR #6) | p. MATH placement p. MATH 114 or higher | 3,1 | F/S F/S | |
| SGR #1 | Written Communication (SGR #1) | p. Placement | 3 | | |
| SGR #4 | Arts and Humanities (SGR #4) | | 3 | | |
| SGR #4 | Arts and Humanities (SGR #4) | | 3 | | |
| Total Credit Hours | | | 16 | | |

SECOND YEAR

Fall

| Prefix + Number | Course Title | Prerequisites/Comments | Credits | Semester | Grade |
|--------------------------------|---|--|------------|---------------|-------|
| AS 219* | Principles of Animal Nutrition | p. AS 101 or DS 130 | 3 | F | |
| AS 241-241L* | Introduction to Meat Science & Lab | | 2,1 | F/S | |
| CHEM 108-108L or CHEM 326-326L | Organic and Biochemistry & Lab (5 cr) or Organic Chemistry I & Lab (4 cr) | p. CHEM 106 or CHEM 112 p. CHEM 114 | 4,1 3,1 | F(I)/S F/S | |
| ECON 201 | Principles of Microeconomics (SGR #3) | | 3 | F/S/SU | |
| Total Credit Hours | | | 14 | | |

Spring

| Prefix + Number | Course Title | Prerequisites/Comments | Credits | Semester | Grade |
|---------------------------|--|-------------------------|---------|----------|-------|
| ACCT 210 | Principles of Accounting I | | 3 | F/S/SU | |
| AS 285-285L | Livestock Evaluation and Marketing & Lab | p. AS 101 | 2,1 | F/S | |
| SGR #1 | Written Communication (SGR #1) | p. ENGL 101 | 3 | | |
| SGR #3 | Social Sciences (SGR #3) | | 3 | | |
| VET 223-223L | Anatomy and Physiology of Domestic Animals & Lab | p. CHEM 108 or CHEM 326 | 3,1 | S | |
| Total Credit Hours | | | 16 | | |



THIRD YEAR

Fall

| Prefix + Number | Course Title | Prerequisites/Comments | Credits | Semester | Grade |
|---------------------------|-----------------------------------|------------------------|---------|----------|-------|
| AS 333-333L* | Livestock Reproduction & Lab | p. VET 223/L | 2,1 | F | |
| AS 319-319L* | Livestock Feeds and Feeding & Lab | p. AS 219 | 2,1 | F/S | |
| AS 389* | Current Issues in Animal Science | | 3 | F/S/SU | |
| General Electives | | | 6 | | |
| Total Credit Hours | | | 15 | | |

Spring

| Prefix + Number | Course Title | Prerequisites/Comments | Credits | Semester | Grade |
|---------------------------|---|--|---------|----------|-------|
| AGEC 354 | Agricultural Marketing and Prices | p. ECON 201 or ECON 202 | 3 | F/S/SU | |
| AS 332* | Livestock Breeding and Genetics | p. AS 101 or DS 130 and BIOL 101 or BIOL 151 | 4 | F/S | |
| VET 403 | Animal Diseases and Their Control | p. Sophomore standing or higher | 3 | F/S | |
| Experiential Learning | Select one: ABS 482, AS 322, AS 400, AS 491, AS 494, or AS 498 | Check prerequisites for selected course | 1 | | |
| General Electives | | | 4 | | |
| Total Credit Hours | | | 15 | | |

FOURTH YEAR

Fall

| Prefix + Number | Course Title | Prerequisites/Comments | Credits | Semester | Grade |
|---------------------------|--|---|---|--|-------|
| AS Capstone Course* | Select from: AS 445-445L Value-Added Meat Products & Lab AS 450 Meat Product Safety and HACCP AS 474-474L Cow/Calf Management & Lab AS 475-475L Feedlot Operations and Management & Lab AS 476-476L Horse Production & Lab AS 477-477L Sheep and Wool Production & Lab AS 478-478L Swine Production & Lab | p. AS 241/L p. AS 241/L p. AS 319/L, AS 332 and AS 333/L p. AS 319/L, AS 285/L p. AS 319/L, AS 332 and AS 333/L p. AS 319/L, AS 332 and AS 333/L p. AS 319/L, AS 332 and AS 333/L | 2,1 3 2,1 2,1 2,1 2,1 2,1 | F F even F/S F S F S | |
| AS Capstone Course* | Select from: AS 445-445L Value-Added Meat Products & Lab AS 450 Meat Product Safety and HACCP AS 474-474L Cow/Calf Management & Lab AS 475-475L Feedlot Operations and Management & Lab AS 476-476L Horse Production & Lab AS 477-477L Sheep and Wool Production & Lab AS 478-478L Swine Production & Lab | p. AS 241/L p. AS 241/L p. AS 319/L, AS 332 and AS 333/L p. AS 285/L, AS 319/L p. AS 319/L, AS 332 and AS 333/L p. AS 319/L, AS 332 and AS 333/L p. AS 319/L, AS 332 and AS 333/L | 2,1 3 2,1 2,1 2,1 2,1 2,1 | F F even F/S F S F S | |
| General Electives | | | 9 | | |
| Total Credit Hours | | | 15 | | |

Spring

| Prefix + Number | Course Title | Prerequisites/Comments | Credits | Semester | Grade |
|---------------------------|--|---|---|--|-------|
| AS Capstone Course | Select from: AS 445-445L Value-Added Meat Products & Lab AS 450 Meat Product Safety and HACCP AS 474-474L Cow/Calf Management & Lab AS 475-475L Feedlot Operations and Management & Lab AS 476-476L Horse Production & Lab AS 477-477L Sheep and Wool Production & Lab AS 478-478L Swine Production & Lab | p. AS 241/L p. AS 241/L p. AS 319/L, AS 332 and AS 333/L p. AS 285/L, AS 319/L p. AS 319/L, AS 332 and AS 333/L p. AS 319/L, AS 332 and AS 333/L p. AS 319/L, AS 332 and AS 333/L | 2,1 3 2,1 2,1 2,1 2,1 2,1 | F F even F/S F S F S | |
| General Electives | | | 11 | | |
| Total Credit Hours | | | 14 | | |

COMMENTS/NOTES

Students from all academic majors can pursue graduation with Fishback Honors College distinction. View the [Honors program requirements](#).

*Animal Science majors must achieve a minimum of a cumulative 2.0 GPA in Animal Science core courses for successful graduation. Core courses include AS 101-101L, AS 219, AS 241-241L, AS 319-319L, AS 332, AS 333-333L, AS 389, and 2 capstone courses in which the students receive the highest grades (if they take more than 2). Capstone courses include AS 445-445L, AS 450, AS 474-474L, AS 475-475L, AS 476-476L, AS 477-477L, and AS 478-478L.

Information Subject to Change. This is not a contract.

p. = Course Prerequisite c. = Course Corequisite I = Internet Semester: F = Fall, S = Spring, SU = Summer