

| K-State Core Courses                                                                                                                                                                     |  |                                                                                    | See K-State Core List at <a href="https://www.k-state.edu/general-education/students/">https://www.k-state.edu/general-education/students/</a> | 34-35 |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| Required Section                                                                                                                                                                         |  | Required Course                                                                    |                                                                                                                                                |       |
| Written Communication<br>6 hours                                                                                                                                                         |  | ENGL 100: Expos. Writing I<br><i>F, S, U, O</i>                                    |                                                                                                                                                | 3     |
|                                                                                                                                                                                          |  | ENGL 200: Expos. Writing II<br><i>F, S, U, O</i> Prereg: ENGL 100                  |                                                                                                                                                | 3     |
| Oral Communication<br>3 hours                                                                                                                                                            |  | COMM 106: Pub Speaking I<br><i>F, S, U, O</i> Transfer may apply interspersnl comm |                                                                                                                                                | 3     |
| Any course applied in the following K-State Core sections that is also applied to other degree requirements, such as those identifies as Overlap Courses, increases available electives. |  |                                                                                    |                                                                                                                                                |       |
| Required Section                                                                                                                                                                         |  | Overlap Courses                                                                    | Options                                                                                                                                        |       |
| Math & Statistics<br>3 hours                                                                                                                                                             |  | MATH 100 (3)                                                                       | KSU Core List                                                                                                                                  |       |
| Science<br>4-5 hours, lab required                                                                                                                                                       |  | BIOL 198 (4) or<br>CHM 210 (4)                                                     | KSU Core List                                                                                                                                  |       |
| Social & Behavioral Science<br>6 hours in 2 subject areas                                                                                                                                |  | AGEC 120 (3) or<br>ECON 110 (3)                                                    | KSU Core List                                                                                                                                  |       |
|                                                                                                                                                                                          |  | n/a                                                                                | KSU Core List                                                                                                                                  |       |
| Arts & Humanities<br>6 hours in 2 subject areas                                                                                                                                          |  | AGCOM 222, COMM 120,<br>210, 260, or MC 110 (3)                                    | KSU Core List                                                                                                                                  |       |
|                                                                                                                                                                                          |  | ENGL (170-187, 220-299),<br>ENTOM 202, Foreign Lang.                               | KSU Core List                                                                                                                                  |       |
| Institutionally Designated<br>6 hours                                                                                                                                                    |  | First 6 hours of 100- and 200-level<br>courses taken and not applied above         |                                                                                                                                                |       |

| Math & Science Foundations            |  |                                                            | 15 |
|---------------------------------------|--|------------------------------------------------------------|----|
| Mathematics<br>3 hours                |  | MATH 100: College Algebra<br><i>F, S, U, O</i>             | 3  |
| Biology for Science Majors<br>4 hours |  | BIOL 198: Prin. of Biology<br><i>F, S, U, O</i>            | 4  |
| Chemistry<br>8 hours                  |  | CHM 210: Chemistry I<br><i>F, S, U, O</i>                  | 4  |
|                                       |  | CHM 230: Chemistry II<br><i>F, S, U, O</i> Prereg: CHM 210 | 4  |

| Animal Science Core                        |  |                                                                                                                                                                                                                                                                                     | 19-20 |
|--------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| Foundations in Animal Sci<br>1 course      |  | ASI 101: First-time students <i>I, F</i><br>ASI 301: Transfer students <i>O, F, S</i>                                                                                                                                                                                               | 0-1   |
| Introduction<br>3 hours                    |  | ASI 102: Prin. Anim. Sci <i>F, S</i>                                                                                                                                                                                                                                                | 3     |
| Species-Focused<br>Laboratories<br>3 hours |  | ASI 105: Animal Sci Lab <i>F, S</i>                                                                                                                                                                                                                                                 | 1     |
|                                            |  | ASI 106: Dairy Lab <i>F, S</i>                                                                                                                                                                                                                                                      | 0.5   |
|                                            |  | ASI 107: Comp. Anim. Lab <i>F, S</i>                                                                                                                                                                                                                                                | 0.5   |
|                                            |  | ASI 108: Poultry Lab <i>F, S</i>                                                                                                                                                                                                                                                    | 0.5   |
| Anatomy & Physiology<br>3 hours            |  | ASI 109: Horse Lab <i>F, S</i>                                                                                                                                                                                                                                                      | 0.5   |
|                                            |  | ASI 150: Anatomy & Phys <i>F, S</i>                                                                                                                                                                                                                                                 | 3     |
| Animal Nutrition<br>3 hours                |  | ASI 202: Animal Nutrition <i>F, S</i><br>Prereg: MATH 100                                                                                                                                                                                                                           | 3     |
| Professional Skills<br>3 hours             |  | ASI 300: Career Prep ASI <i>F, S</i><br>Prereg: ASI Major, Soph status                                                                                                                                                                                                              | 1     |
| Animal Reproduction<br>3 hours             |  | ASI 400: Animal Repro. <i>F, S</i><br>Prereg: ASI 102, BIOL 198, Soph status                                                                                                                                                                                                        | 3     |
| Industry Issues<br>3 hours                 |  | ASI 595: Issues in Anim Sci <i>F, S</i>                                                                                                                                                                                                                                             | 3     |
| Applied Learning<br>Experience             |  | All ASI students must complete at least one<br>course representing the completion of an<br>applied learning experience in animal science.<br>Example experiences include internships,<br>education abroad, competition teams, or<br>undergraduate research. See back for more info. |       |

| Animal Science Concentration Area |                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 25                    |
|-----------------------------------|------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
|                                   | <b>Animal Products</b><br>3 hours                                      | ASI 350: Meat Science <i>F, S</i> <u>Prereq:</u> BIOL 198/CHM<br>ASI 361: Meat Processing <i>F, S</i> <u>Prereq:</u> Soph status<br>ASI 405: Milk Processing <i>F</i> <u>Prereq:</u> BIOL 198<br>ASI 601: Endocrinology/Lactation <i>F</i> <u>Prereq:</u> BIOL 198, Jr<br>ASI 640: Poultry Products Technology <i>F</i> <i>even</i><br>ASI 695: Equine Exercise Physiology <i>F</i> <u>Prereq:</u> Jr status                                                                         | 3                     |
|                                   | <b>Animal Breeding &amp; Genetics</b><br>4 hours                       | ASI 500: Genetics (3) <i>S</i> <u>Prereq:</u> BIOL 198, MATH 100, Jr status<br>ASI 501: Prin. Anim. Breeding (1) <i>F</i> <u>Prereq:</u> ASI 500<br><i>or</i><br>ASI 511: Appl. Anim. Breeding & Genetics (4)<br><i>F</i> <u>Prereq:</u> BIOL 198, MATH 100, Jr status                                                                                                                                                                                                               | 4                     |
|                                   | <b>Animal Management</b><br>6 hours                                    | ASI 515: Beef Science <i>F, S</i> <u>Prereq:</u> Jr status<br>ASI 520: Companion Animal Mangt <i>S</i> <u>Prereq:</u> Jr status<br>ASI 521: Horse Science <i>S</i> <u>Prereq:</u> Jr status<br>ASI 524: Sheep & Meat Goat Science <i>F</i> <u>Prereq:</u> Jr status<br>ASI 535: Swine Science <i>F, S</i> <u>Prereq:</u> Jr status<br>ASI 621: Dairy Cattle Management <i>F</i> <u>Prereq:</u> Jr status<br>ASI 645: Poultry Management <i>F</i> <i>odd</i> <u>Prereq:</u> Jr status | 3                     |
|                                   |                                                                        | Any ASI course from ASI 300 to 799                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 3                     |
| —<br>—<br>—<br>—                  | <b>Animal Science Specialization Courses</b><br>12 hours at 300-level+ | —<br>—<br>—<br>—<br>—                                                                                                                                                                                                                                                                                                                                                                                                                                                                | —<br>—<br>—<br>—<br>— |

| Build Breadth for Your Unique Goals                                                  |                                                                                                                                                                                                           |                         | 26 |
|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|----|
| Required Section                                                                     | Overlap with Prereqs for<br>Veterinary School                                                                                                                                                             | Options                 |    |
| Agriculture or<br>Business<br>Courses<br>6 hours at 300-level+                       | If stat is required, STAT 703:<br>Intro to Statistical Methods<br>for Scientists <i>3, F, S, U, O</i>                                                                                                     | Block A or B Dept. List |    |
|                                                                                      | n/a                                                                                                                                                                                                       |                         |    |
| Applied or<br>Foundational<br>Science<br>Courses<br>8 hours<br>7 hours at 300-level+ | CHM 350/531: Organic Chem<br><i>3, F, S, U, O</i> Prereg: CHM 230                                                                                                                                         | Block C Dept. List      |    |
|                                                                                      | CHM 351/532: Org Chem Lab<br><i>2, F, S, U</i> Prereg: CHM 350/531 or concurrnt                                                                                                                           |                         |    |
| Additional<br>Specialization<br>Courses<br>12 hours                                  | BIOCH 521: Biochemistry<br><i>3, F, S, U, O</i> Prereg: CHM 350 or 531                                                                                                                                    |                         |    |
|                                                                                      | BIOL 255: Microbiology<br><i>4, F, S, U</i> Prereg: BIOL 198 + CHM<br>PHYS 113: Gen. Physics I<br><i>4, F, S, U, O</i> Prereg: MATH<br>PHYS 114: Gen. Physics II<br><i>4, F, S, U, O</i> Prereg: PHYS 113 | Block D Dept. List      |    |

| Maintain Flexibility                                                                          |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Up to 23 |
|-----------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| Unrestricted<br>Electives<br>Number varies to total<br>of 120 undergraduate<br>credits earned |  | + 3 if MATH 100 is applied in the Mathematics &<br>Statistics section of the K-State Core<br>+ 4 if BIOL 198 or CHM 210 is applied in the<br>Natural & Physical Sciences of the K-State Core<br>+ 3 if a 3-hr course from Social & Behavioral Sci<br>is also applied to Specialization Electives/Block D<br>+ 3 if a 3-hr course from Arts & Humanities is<br>also applied to Specialization Electives/Block D<br>+ 3 if another 3-hr course from Arts &<br>Humanities is applied to Spec. Electives/Block D<br>+ 6 for courses from Institutionally Designated<br>area applied to any other degree requirements<br>+ 1 if ASI 301 is applied instead of ASI 101 |          |
|                                                                                               |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |

- ☐ 120 Hours Total (max. 60 from a 2-year College)  
☐ 45 Hours at the 300-Level or Above

## K-State Core Courses Most Often Taken by ASI Majors

See the full list of current courses at <https://www.k-state.edu/general-education/students/>

### Social & Behavioral Sciences

|           |                                       |
|-----------|---------------------------------------|
| AGEC 120  | Ag Econ and Agribus 3, F, S, U, O     |
| ECON 110  | Principles of Macroecon 3, F, S, U, O |
| GEOG 100  | World Geography 3, F, S, U, O         |
| POLSC 115 | U.S. Politics 3, F, S, U, O           |
| POLSC 250 | Futre of Food, Air, Water Soil 3, S   |
| PSYCH 110 | General Psychology 3, F, S, U, O      |
| SOCIO 211 | Intro to Sociology 3, F, S, U, O      |

### Arts & Humanities Courses

|           |                                      |
|-----------|--------------------------------------|
| AGCOM 222 | Ag Bus Communications 3, F, S, O     |
| ART 102   | Ceramics for Non-Majors 3, F, S      |
| ART 106   | Art Appreciation 3, U, O             |
| CLSCS 105 | Medicl Trmnlgy: Ltn/Grek 2, S, O     |
| ENTOM 202 | Art and Insects 3, F, S, U, O        |
| HIST 111  | World History to 1450 3, F, S        |
| HIST 112  | World History from 1450 3, F, S      |
| HIST 151  | History of US to 1877 3, F, S, O     |
| HIST 152  | Hist of US Since 1877 3, F, S, U, O  |
| MC 110    | Mass Comm. in Soc 3, F, S, U, O      |
| MUSIC 115 | Marching Band 0-1, F                 |
| MUSIC 170 | History of Rock & Roll 3, F, S, U, O |
| MUSIC 172 | Hist of Country Music 3, F, S, U, O  |

## Applied Learning Experience

The most impactful education is when students apply practical experiences outside the conventional classroom with the scientific concepts they learned through formal courses. Each student must enroll in at least one course designated as an applied learning experience. To qualify, experiences must emphasize verbal or written communication, professional and ethical behavior, application of adv. animal science knowledge, critical thinking, and problem-solving. Example courses include:

|           |                                                                                                   |
|-----------|---------------------------------------------------------------------------------------------------|
| ASI 261   | ASI Probs 0-6, F, S, U                                                                            |
| ASI 262   | ASI Special Topics 0-6, F, S, U                                                                   |
| ASI 310   | Poultry and Poultry Product Eval 2, F                                                             |
| ASI 326   | Adv. Horse Evaluation 2, F<br>Prereq: ASI 325                                                     |
| ASI 385   | Wool Grading and Evaluation 1, F                                                                  |
| ASI 402   | Calving 1, S<br>Prereq: ASI 102, Jr standing                                                      |
| ASI 403   | Foaling 1, S<br>Prereq: EQSC Cert, So standing, ASI 102 & 107                                     |
| ASI 404   | Lambing 1, S<br>Prereq: ASI 102 & Jr Standing                                                     |
| ASI 420   | Adv. Dairy Cattle Judging 1, F<br>Prereq: ASI 396                                                 |
| ASI 422   | Livestock Sales Mgmt 0-1, F, S<br>Prereq: Jr Standing                                             |
| ASI 470   | Form and Function in Livestock 2, F<br>Prereq: ASI 390                                            |
| ASI 495   | Adv. Meat Evaluation 2, F<br>Prereq: ASI 470                                                      |
| ASI 512   | Bovine Repro Tech 2, F<br>Prereq: ASI 400, sr standing, instructor consent                        |
| ASI 560   | Course-Based Undergrad Rsrch 2, F, S                                                              |
| ASI 561   | Undergrad Rsrch (mentored) 0-3 F, S<br>Prereq: Identify faculty mentor and their approval         |
| ASI 599   | ASI Internship 1-6, F, S                                                                          |
| ASI 600   | Applied Animal Biotech 3, S<br>Prereq: Jr standing, ASI 500 OR 511 OR BIOL 450<br>Recc: BIOCH 521 |
| ASI 610   | Processed Meat Operations 2, F, S<br>Prereq: ASI 350                                              |
| ASI 660   | International Experience ASI 0-6 F, S                                                             |
| ASI 661   | ASI Special Problems (independent)<br>*Not all experiences apply. Request approval in WB 134      |
| ASI 662   | Special Topics in Animal Sci 0-6 F, S<br>*Not all experiences apply. Request approval in WB 134   |
| GENAG 399 | Ag Coop Ed Exp. 1-5 F, S                                                                          |

Courses outside ASI but with similar intent may fulfill this requirement if they include the application of advanced animal science knowledge. Request approval in Weber 134.

## Departmental Lists

### Block A – Agriculture Courses

AGCOM, AGECE, AGED, AGRON, ASMS, ENTOM, FDSCI, FFM, FOR, GENAG, GRSC, HORT, PMC, PLPTH, UFS, WOEM

### Block B – Business Courses

ACCTG, AGECE, BUS, ECON, ENTRP, FINAN, GENBA, LEAD, MANGT, MIS, MKTG, STAT, SALES

### Block C – Applied & Foundational Science Courses

|                                                                            |                                                                                     |
|----------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| AAI 797                                                                    | 210, 290, 302, 350, 500 or 511, 533, 540, 560, 561, 600, 601, 658, 675 and above    |
| AGRON 330, 335, 360, 375, 462, 490, 550, 605 and above                     | 120, 121, 202, 205, 206, 251, 260, 330, 335, 360, 375, 462, 490, 550, 605 and above |
| AP 600, 711                                                                | 600, 711                                                                            |
| BIOCH 110, 111, 265, 266, 521, 522, 571                                    | 110, 111, 265, 266, 521, 522, 571                                                   |
| BIOL 101, 221, 255, 330, 410 and above                                     | 101, 221, 255, 330, 410 and above                                                   |
| CHM 110, 111, 210, 230, 350, 351, 371, 372, 500 and above                  | 110, 111, 210, 230, 350, 351, 371, 372, 500 and above                               |
| DMP 313, 314, 610, 611, 650, 690, 691, 710, 725, 726, 754, 770             | 313, 314, 610, 611, 650, 690, 691, 710, 725, 726, 754, 770                          |
| ENTOM 101, 120, 125, 135, 150, 205, 210, 250, 305, 306, 312, 330, 350, 399 | 101, 120, 125, 135, 150, 205, 210, 250, 305, 306, 312, 330, 350, 399                |
| FDSCI 202, 305, 501, 530, 600, 601, 625, 690, 695, 711                     | 202, 305, 501, 530, 600, 601, 625, 690, 695, 711                                    |
| FNDH 110, 132, 313, 400                                                    | 110, 132, 313, 400                                                                  |
| GRSC 312, 602, 615, 620, 645, 650, 661                                     | 312, 602, 615, 620, 645, 650, 661                                                   |
| HORT 201                                                                   | 201                                                                                 |
| MATH 150, 151, 160, 205, 210, 211, 215, 216, 220, 221, 222                 | 150, 151, 160, 205, 210, 211, 215, 216, 220, 221, 222                               |
| PHYS 113 or 213, 114 or 214                                                | 113 or 213, 114 or 214                                                              |
| PLPTH 610                                                                  | 610                                                                                 |

### Block D – Major Specialization Elective Courses

Any of the following courses or prefixes: ASI, ACCTG, AGCOM, AGECE, AGED, AGRON, ATM, AP, BAE, BIOCH, BIOL, BME, BUS, CC, CIS, CHM, CLSCS, CMST, COMM, CYBR, DIGME, DMP, ECON, ENGL, ENSCI, ENTOM, ENTRP, DIGME, FDSCI, FNDH, FINAN, GENAG, GENBA, GRSC, HORT, IDFS, KIN 230, 312, 360, 361, 362, LEAD, MANGT, MATH, MC, MIS, MKTG, MLAS, PFP, PHYS, PMC, SALES, SPAN, STAT, WOEM

## Specialization Courses in ASI

*Courses can be applied in ASI specialization electives, Block D, or unrestricted electives*

|                                                                   |                                                                   |
|-------------------------------------------------------------------|-------------------------------------------------------------------|
| 100 Special Topics in Animal Sci 0-6, F, S Prereq: Instr. Consent | 210 Intro to Animal Biotechnology 3, F Prereq: Fresh or Soph      |
| 261 Animal Science Problems 0-6, F, S, U Prereq: Instr. Consent   | 262 Special Topics in Animal Science 0-6, F, S                    |
| 290 Computer Apps in Animal Science 3, F, S                       | 302 Adv. Animal Nutrition 3, F, S Prereq: ASI 202, CHM, BIOL      |
| 310 Poultry and Poultry Product Eval 2, F                         | 315 Livestock and Meat Evaluation 3, S Prereq: ASI 105            |
| 325 Beginning Horse Evaluation 2, S                               | 326 Advanced Horse Evaluation 2, F Prereq: ASI 325                |
| 333 Equine Enterprise Management 1, F                             | 345 Beginning Horse Training & Mangt 2, F (Equine Sci Cert)       |
| 350 Meat Science 3, F, S                                          | 361 Meat Animal Processing 3, F, S Prereq: Soph. status           |
| 370 Principles of Meat Evaluation 2, F                            | 385 Wool Grading and Evaluation 1, F                              |
| 390 Principles of Livestock Selection 2, F                        | 395 Intermediate Horse Training & Mangt 2, F (Equine Sci Cert)    |
| 396 Dairy Cattle Judging 2, S                                     | 401 Farm Animal Repro Lab 1, S Prereq: ASI 400 or conc enroll.    |
| 402 Calving 1, S                                                  | 403 Foaling 1, S Prereq: Soph. status (Equine Sci Cert)           |
| 404 Lambing 1, S                                                  | 405 Fundamentals of Milk Processing 3, F Prereq: BIOL 198         |
| 420 Advanced Dairy Cattle Judging 1, F Prereq: ASI 396            | 422 Livestock Sales Management 0-1, F, S                          |
| 444 Equine Health 3, F Prereq: Soph. status (Equine Sci Cert)     | 470 Form and Function in Livestock 2, F Prereq: ASI 390           |
| 495 Advanced Meat Evaluation 2, F Prereq: ASI 370                 | 504 Equine Reproduction Management 3, S Prereq: Jr Status         |
| 505 Equine Repro Mangt Lab 1, S Prereq: ASI 504 or conc enroll    | 512 Bovine Reproductive Technology 2, F Prereq: ASI 400, Sr       |
| 515 Beef Science 3, F, S Prereq: Jr status                        | 520 Companion Animal Management 3, S Prereq: Jr status            |
| 521 Horse Science 3, S Prereq: Jr status                          | 524 Sheep and Meat Goat Science 3, F Prereq: Jr status            |
| 533 Anatomy and Physiology 4, F, S Prereq: BIOL 198               | 535 Swine Science 3, F, S Prereq: Jr status                       |
| 540 Principles of Animal Disease Control 3, S Prereq: Jr status   | 560 Course-Based Undergraduate Research 2, F, S                   |
| 561 Undergraduate Research ASI 0-3, F, S Prereq: Instr. Consent   | 599 ASI Internship 1-6, F, S, U Prereq: Dept. Consent             |
| 600 Applied Animal Biotechnology 3, S Prereq: ASI 500 Jr status   | 601 Endocrinology and Lactation 3, F Prereq: BIOL 198 Jr status   |
| 610 Processed Meat Operations 2, F, S Prereq: ASI 350             | 620 Beef Systems Management 2, S Prereq: ASI 515                  |
| 621 Dairy Cattle Management 3, F Prereq: Jr status                | 635 Gamebird Production and Management 3, S                       |
| 640 Poultry Products Technology 3, F odd years                    | 645 Poultry Management 3, F odd years, Prereq: Jr status          |
| 650 ID & Data Mangt of Food Animals 2, F Prereq: Jr status        | 655 Behavior Domestic Animals 3, F Prereq: BIOL 198, Jr status    |
| 658 Animal Growth Development 3, S Prereq: ASI 533, Jr status     | 660 Intl Study Experience ASI 0-6, F, S, U Prereq: Instr. Consent |
| 661 ASI Problems 0-18, F, S, U Prereq: Instr. Consent             | 662 Special Topics in ASI 0-6, F, S                               |
| 675 Monogastric Nutrition 1, F Prereq: ASI 302                    | 676 Avian Nutrition 1, F Prereq: ASI 675                          |
| 677 Companion Animal Nutrition 1, F Prereq: ASI 675               | 678 Equine Nutrition 1, F Prereq: ASI 675                         |
| 679 Swine Nutrition 1, F Prereq: ASI 675                          | 680 Ruminant Nutrition 1, S Prereq: ASI 302                       |
| 681 Dairy Cattle Nutrition 1, S Prereq: ASI 680                   | 682 Formulatr Livstck Poultry Diets 1, S Prereq: ASI 675 or 680   |
| 683 Grazing Livestock Nutrition 1, S Prereq: ASI 680              | 684 Nutrition of Feedlot Cattle 1, S Prereq: ASI 680              |
| 685 Stored Forage System Ruminant Anim 1, S Prereq: ASI 680       | 695 Prin. of Equine Exercise Physiology 3, F Prereq: Jr status    |
| 710 Physiology of Reproduction 3, S even years Prereq: ASI 400    | 776 Meat Industry Technology 3, F, S Prereq: ASI 350              |
| 777 Meat Science & Muscle Biol 3, F Prereq: ASI 350, Sr status    |                                                                   |

## Example: Earn a B.S. in Animal Sciences & Industry + simultaneous minor in Biology + certificate in Equine Science

|                                         |                                                |                                                             |         |          |                                                          |
|-----------------------------------------|------------------------------------------------|-------------------------------------------------------------|---------|----------|----------------------------------------------------------|
| Animal Products                         | ASI 695: Equine Exercise Phys                  |                                                             |         | ASI 561  | Undergrad Research 2, F, S, U Prereq: Instr Consent      |
| Animal Management                       | Select one course as<br>ASI 521: Horse Science |                                                             | Block C | BIOL 413 | Phys. Adaptations Animals 4, F Prereq: BIOL 221, CHM 350 |
| Animal Science Specialization Electives | ASI 325                                        | Beginning Horse Eval 2, S                                   |         | CHM 350  | Organic Chemistry 3, F, S, U, O Prereq: CHM 230          |
|                                         | ASI 326                                        | Adv. Horse Evaluation 2, F Prereq: ASI 325                  |         |          |                                                          |
|                                         | ASI 403                                        | Foaling 1, S Prereq: Sophomore status                       |         | Block D  | BIOL 221                                                 |
|                                         | ASI 444                                        | Equine Health 3, F Prereq: Sophomore status                 |         |          | Organismic Biology 5, F, S Prereq: BIOL 198              |
|                                         | ASI 504                                        | Equine Repro Mangt 3, S Prereq: Junior status               |         | BIOL 521 | Evol of Infectious Diseases 3, S Prereq: ASI 500         |
|                                         | ASI 505                                        | Equine Repro Mangt Lab 1, S Prereq: ASI 504 or conc. enroll |         | BIOL 529 | Ecology 3, F, S Prereq: BIOL 198, CHM 210                |
|                                         |                                                |                                                             |         | BIOL 632 | Ecology Lab 1, S Prereq: BIOL 529, STAT                  |