

## REQUIREMENTS for BACHELOR OF SCIENCE DEGREE

| <u>Core ANSC Courses</u> |                                      |        | <u>Semester</u> | <u>Credit</u> | <u>Completed</u> |
|--------------------------|--------------------------------------|--------|-----------------|---------------|------------------|
| ANSC 1120                | Intro to Animal Science              | (F, S) |                 | 3             | _____            |
| ANSC 1120L               | Intro to Animal Science Lab          | (F, S) |                 | 1             | _____            |
| ANSC 1110                | ANSC Career Development              | (S)    |                 | 1             | _____            |
| ANSC 303                 | Livestock, Meat & Wool               | (F)    |                 |               | _____            |
|                          | Evaluation OR ANSC 308 Horse Judging | (S)    |                 | 4             | _____            |
| ANSC 304                 | Feeds & Feeding                      | (F,S)  |                 | 3             | _____            |
| ANSC 370                 | System Physiology of Farm Animals    | (F)    |                 | 4             | _____            |
| ANSC 402                 | Seminar                              | (F,S)  |                 | 1             | _____            |
| ANSC 421                 | Physiology of Reproduction           | (S)    |                 | 4             | _____            |
| ANSC 422                 | Animal Nutrition                     | (F)    |                 | 3             | _____            |
| ANSC 423                 | Animal Breeding                      | (F)    |                 | 3             | _____            |

### AG Elective Choose 6 credits

|                                      |                                           |       |  |   |       |
|--------------------------------------|-------------------------------------------|-------|--|---|-------|
| RGSC 2110                            | Range Management                          |       |  | 3 | _____ |
| ANSC 1160                            | Introductory Horse Science                | (F)   |  | 3 | _____ |
| ANSC 1180                            | Companion Animals in Society              | (F)   |  | 3 | _____ |
| ANSC 1140                            | Intro to Dairy Science                    | (S)   |  | 3 | _____ |
| ANSC 2310                            | Intro to Meat Science                     |       |  | 3 | _____ |
| ANSC 301                             | Animal & Carcass Evaluation               | (F,S) |  | 3 | _____ |
| ANSC Experience (Total of 3 credits) |                                           |       |  |   |       |
|                                      | ANSC 390 Internship (1-3 credits for S/U) |       |  |   | _____ |
|                                      | ANSC 391 Research (1-3 credits)           |       |  |   | _____ |
|                                      | ANSC 392 Teaching/Extension (1-3 credits) |       |  |   | _____ |

### Other Required Courses

|             |                                                   |  |  |   |       |
|-------------|---------------------------------------------------|--|--|---|-------|
| *Biol 2610G | Principles of Biology & Lab                       |  |  | 4 | _____ |
| *Chem 1215G | General Chemistry I                               |  |  | 4 | _____ |
| *Econ 1110G | Survey of Economics (or Econ 2110G or Econ 2120G) |  |  | 3 | _____ |
| A ST 311 G  | Statistical Applications                          |  |  | 3 | _____ |

### GENERAL EDUCATION Requirements

#### Area I - Communications

|                                      |                                                 |  |  |   |       |
|--------------------------------------|-------------------------------------------------|--|--|---|-------|
| Engl 1110G                           | Freshman Composition                            |  |  | 4 | _____ |
| Engl 2210G, 2221G, 2210G, 311G, 318G | (Take 3 credits)                                |  |  | 3 | _____ |
|                                      | • recommend Engl 2210                           |  |  |   |       |
| Comm 1115G                           | Principles of Human Communication OR            |  |  | 3 | _____ |
|                                      | ACOM 1130G Effective leadership & Communication |  |  |   |       |

#### Area II - Mathematics

|                                        |                                      |  |  |   |       |
|----------------------------------------|--------------------------------------|--|--|---|-------|
| Math 2134G, 1130G, 1220G, 1430G, 1511G | (Take 3 credits)                     |  |  | 3 | _____ |
|                                        | • Dept. requires Math 1220G or 1511G |  |  |   |       |

#### Area III/IV - Laboratory Sciences and Social/Behavioral Sciences

|                                                                                  |  |  |  |     |       |
|----------------------------------------------------------------------------------|--|--|--|-----|-------|
| • Students must take one course from both area III & IV for a total of 7 credits |  |  |  | 7   | _____ |
| Additional course in either area III or IV                                       |  |  |  | 3-4 | _____ |
| • Recommend Biol 2610&L, Chem 1216&L, Econ G                                     |  |  |  |     |       |

#### Area V - Humanities

|  |  |  |  |   |       |
|--|--|--|--|---|-------|
|  |  |  |  | 3 | _____ |
|--|--|--|--|---|-------|

#### Area VI - Creative & Fine Arts

|  |  |  |  |   |       |
|--|--|--|--|---|-------|
|  |  |  |  | 3 | _____ |
|--|--|--|--|---|-------|

#### General Education Elective

- Students must complete a GE elective requirement which may be out of any area except area I 3-4 \_\_\_\_\_
- Recommend for Science option Chem 1225&L

See catalog for complete listing of General Education courses in each Area

### VIEWING A WIDER WORLD

(Take 2 courses = 6 hrs)

6

Students are required to take two courses from the **Viewing a Wider World list in the Undergraduate Catalog** which are upper-division (300-400 level) General Education "V" courses. One of the two courses must be in a college other than their own. The other course may be taken within their home college, but this course (1) must be in a different department from their major department; (2) must not be cross-listed with a course in their home department; and (3) cannot be counted as one of the requirements for the student's major.

\*Starred courses are also general education course choices

**Production Electives (Science Option 6 credits) (Industry Option 9 credits)**

|      |     |                           |        |   |       |
|------|-----|---------------------------|--------|---|-------|
| ANSC | 424 | Swine Production          | (F)    | 3 | _____ |
| ANSC | 425 | Horse Production          | (F)    | 3 | _____ |
| ANSC | 426 | Beef Production: Cow/Calf | (S)    | 3 | _____ |
| ANSC | 427 | Dairy Production          | (S)    | 3 | _____ |
| ANSC | 428 | Sheep & Wool Production   | (S)    | 3 | _____ |
| ANSC | 429 | Beef Production: Feedlot  | (F)    | 3 | _____ |
| ANSC | 468 | Clovis Dairy Consortium   | Summer | 3 | _____ |

**Science Option**

|      |       |                                  |       |   |       |
|------|-------|----------------------------------|-------|---|-------|
| Biol | 2110G | & Lab Cell Biology               |       | 4 | _____ |
| Chem | 1225  | Principles of Chemistry II       |       | 4 | _____ |
| Chem | 313   | 314/315 Organic Chemistry series |       | 8 | _____ |
| BCHE | 395   | Biological Chemistry             |       | 3 | _____ |
| ANSC | 305   | Principles of Genetics           | (F,S) | 3 | _____ |

**Designated Electives Area I (At least one)**

|      |       |                                   |  |   |       |
|------|-------|-----------------------------------|--|---|-------|
| Math | 1511G | Calculus & Analytical Geometry I  |  | 3 | _____ |
| Math | 1521G | Calculus & Analytical Geometry II |  | 3 | _____ |
| Phys | 1230G | General Physics I                 |  |   |       |
|      | 1230L |                                   |  | 4 | _____ |
| Phys | 1240G | General Physics II                |  |   |       |
|      | 1240L |                                   |  | 4 | _____ |

**Designated Electives Area II (At least one)**

|                                                             |     |                                     |            |   |       |
|-------------------------------------------------------------|-----|-------------------------------------|------------|---|-------|
| ANSC                                                        | 360 | Meat and Muscle Biology             |            | 3 | _____ |
| ANSC                                                        | 462 | Parasitology                        |            | 3 | _____ |
| ANSC                                                        | 480 | Env. Physiology of Domestic Animals | (Fall odd) | 3 | _____ |
| ANSC                                                        | 484 | Ruminant Nutrition                  |            | 3 | _____ |
| Tox                                                         | 361 | Basic Toxicology                    |            | 3 | _____ |
| OR any BIOL course numbered 300 and above (except BIOL 305) |     |                                     |            | 3 |       |

**Industry Option**

|      |      |                                 |     |   |       |
|------|------|---------------------------------|-----|---|-------|
| ANSC | 2330 | Intro to Meat Animal Production | (S) | 3 | _____ |
| ANSC | 2340 | Animal Genetics                 | (F) | 3 | _____ |
| ANSC | 1170 | Animal Metabolism               | (S) | 3 | _____ |
| ACCT | 2110 | Managerial Accounting           |     | 3 | _____ |

**Ranch Mgt Electives (9 credits)**

|      |      |                                     |            |   |       |
|------|------|-------------------------------------|------------|---|-------|
| ANSC | 360  | Meat and Muscle Biology             |            | 3 | _____ |
| ANSC | 383  | Equine Repro Management             | (S)        | 3 | _____ |
| ANSC | 480  | Env. Physiology of Domestic Animals | (Fall odd) | 3 | _____ |
| RGSC | 318  | Watershed Management                |            | 3 | _____ |
| RGSC | 325  | Rangeland Restoration Ecology       |            | 3 | _____ |
| RGSC | 316  | Range Plants                        |            | 3 | _____ |
| AEEC | 2140 | Tech & Comm for Business Mgt        |            | 3 | _____ |
| AEEC | 350  | Adv. Microcomputer App. In Ag.      |            | 3 | _____ |

**Business Electives (3 credits)**

|      |     |                                      |  |   |       |
|------|-----|--------------------------------------|--|---|-------|
| AEEC | 305 | Marketing and Pricing of Ag Products |  | 3 | _____ |
| AEEC | 456 | Agribusiness Mgt                     |  | 3 | _____ |
| MGT  | 361 | Small Business Mgt                   |  | 3 | _____ |
| MKT  | 312 | Personal Selling                     |  | 3 | _____ |

\* Or any ACCT, BUSA, MGT, MKTG numbered 300 and above that are NOT VWW courses

120 CREDITS ARE NEEDED TO GRADUATE

48 Credits must be from courses numbered 300 or higher

35 Credits must be from the College of Agriculture & Home Economics