

# BACHELOR OF SCIENCE DEGREE IN ANIMAL SCIENCE

## ANIMAL INDUSTRY EMPHASIS

CATALOG YEAR 2024

This checklist is intended as a guide and is not an official document. ♦

NAME \_\_\_\_\_

SID # \_\_\_\_\_ ♦

### UNIVERSITY GPA & UNIT REQUIREMENTS:

Cumulative GPA: \_\_\_\_\_

Minor: \_\_\_\_\_

ANS Major GPA: \_\_\_\_\_

Minor GPA: \_\_\_\_\_

Total Units: \_\_\_\_\_ out of 120 (Needed: \_\_\_\_)

Upper Division Units: \_\_\_\_\_ out of 42 (Needed: \_\_\_\_)

4-YR Institution Units: \_\_\_\_\_ out of 56 (Needed: \_\_\_\_)

Mid-Career Writing Assess. (B or higher in English 102): \_\_\_\_\_

### HONOR REQUIREMENTS:

Honors: Yes/No Honors Units Needed: \_\_\_\_\_

### UNDERGRADUATE GOALS:

Graduation Date: \_\_\_\_\_

Career Goal(s): \_\_\_\_\_

Questions/Thoughts from Student:

Questions/Thoughts from Advisor:

| Course Type  | Course Subject and Prefix | Course Name                    | Semester Offered     | Units       | Required Pre-Requisites                                  | Rec. Pre-Requisite | Sem/Yr Completed | Other Notes  |
|--|---------------------------|--------------------------------|----------------------|-------------|--|--------------------|------------------|--|
| <b>Foundations</b>   |                           |                                |                      |             |  |                    |                  |  |
| <i>Math</i>  | Math 112                  | College Algebra                | Fall, Spring, Summer | 3           | ALEKS PPL Assessment of 40% or greater                   |                    |                  |  |
| <i>English</i>   | ENGL 101                  | English Composition I          | Fall, Spring, Summer | 3           |  |                    |                  |  |
|  | ENGL 102                  | English Composition II         | Fall, Spring, Summer | 3           |  |                    |                  | B or higher required for Mid- Career Writing Assessment  |
|  | -or<br>ENGL 109H          | Honors English                 | Fall, Spring, Summer | 3           |  |                    |                  |  |
| <i>Second Language</i>   |                           |                                | Fall, Spring, Summer | 4           | Language Placement                                       |                    |                  | C or higher is Required; 2 <sup>nd</sup> Semester Proficiency needed; Prof. or CLEP Exams accepted |
| <b>General Education</b>   |                           |                                |                      |             |  |                    |                  |  |
|  | Univ 101                  | Intro to University Experience | Fall, Spring, Summer | 1           |  |                    |                  |  |
|  | Univ 301                  | Portfolio course               | Fall, Spring, Summer | 1           | Completed Math and English + 5 out of 7 required gen eds |                    |                  | Fully Online   |
| <i>Exploring Perspectives</i>  |                           |                                |                      |             |  |                    |                  |  |
|  | Artist                    |                                |                      | 3           |  |                    |                  |  |
|  | Humanist                  |                                |                      |             |  |                    |                  |  |
|  | Natural Scientist         |                                |                      | 3<br>3      |  |                    |                  |  |
|  | Social Scientist          |                                |                      | 3           |  |                    |                  |  |
| <i>Building Connections</i><br>(3 Courses, 9 units)  |                           |                                |                      | 3<br>3<br>3 |  |                    |                  |  |
| Notes:<br>Transfer Student don't take UNIV 101 or 301; Only 9 units of major course work can count toward gen ed requirements. |                           |                                |                      |             |  |                    |                  |  |

| <b>ANIMAL SCIENCE<br/>Major Core Coursework</b> | <b>Course Number and Name</b> |  | <b>Semester offered</b> | <b>Units</b> | <b>Required Pre-Reqs</b>             | <b>Recom. Pre-Req</b>           | <b>Sem/Yr Completed</b> | <b>Notes</b>                  |
|---|-------------------------------|--|-------------------------|--------------|--------------------------------------|---------------------------------|-------------------------|-------------------------------|
|   | ACBS 395A                     | An ACBS Guide: Designing the Prof.                               | Fall                    | 1            |                                      | Soph. Year Preferred            |                         |                               |
|   | ACBS 102R                     | Intro to Animal Science Lecture                                  | Fall                    | 3            |                                      |                                 |                         |                               |
|   | ACBS 102L                     | Intro to Animal Science Lab                                      | Fall                    | 1            |                                      |                                 |                         | Off Campus – Campus Ag Center |
|   | ACBS 215                      | Physiology and Anatomy of Domestic animals                       | Spring                  | 3            | MCB 181R/L                           |                                 |                         |                               |
|   | ACBS 334                      | Principles of Animal Nutrition                                   | Fall                    | 3            | ACBS 102R                            |                                 |                         |                               |
|   | AREC 217                      | Econ of Food and Ag.: Sustainable Solutions for a Changing world | Fall                    | 3            |                                      |                                 |                         | Social Scientist              |
|   | ACBS315R                      | Physiology of Reproduction Lecture                               | Fall                    | 3            | CHEM 152 & ECOL 182R or ACBS 215     |                                 |                         |                               |
|   | ACBS315L                      | Physiology of Reproduction Lab                                   | Fall                    | 1            |                                      | ACBS 315L Concurrent enrollment |                         |                               |
|   | ACBS 405                      | Principles of Livestock Health Management                        | Spring                  | 3            |                                      |                                 |                         | Fully Online course           |
|   | ACBS 313                      | Principles of Animal Genetics                                    | Spring                  | 3            |                                      |                                 |                         |                               |
|   | MCB 181R/L                    | General Biology I  | Fall, Spring, Summer    | 3,1          |                                      | CHEM 151 or CHEM 130            |                         |                               |
|   |                               | Communications   | Fall, Spring, Summer    | 3            |                                      |                                 |                         |                               |
|   |                               | Statistics   | Fall, Spring, Summer    | 3-4          | Math 112 or PPL score of 60% or more |                                 |                         |                               |

**Communications** Requirement Options:

ALC 422

AED 301

ENGL 307 – Fulfills mid-career writing assessment if needed.

ENGL 308- Fulfills mid-career writing assessment if needed.

COMM 101

COMM 119

**Statistics** Requirement Options:

Math 263 Biostats and Math 163 Basic Statistics – Recommended for student pursuing DVM Admissions

SBS 200 – 4-unit option with lecture and lab

AREC 239- 4-unit option with lecture and discussion

PSY 230- Reserved for PSY majors/minors during registration.

| <b>ANIMAL INDUSTRY<br/>Emphasis Core Courses</b>  | <b>Course Number</b>  | <b>Course Name</b>  | <b>Semester Offered</b> | <b>Units</b> | <b>Required Pre-Reqs</b>   | <b>Recom. Pre-Reqs</b> | <b>Sem./Yr. Completed</b> | <b>Notes</b>         |
|---|-----------------------|---|-------------------------|--------------|----------------------------|------------------------|---------------------------|----------------------|
|   | ECOL 182R             | General Biology II, Lecture                                     | Fall, Spring, Summer    | 3            |                            |                        |                           |                      |
|   | MIC 205a              | General Microbiology Lec.                                       | Fall, Spring, Summer    | 3            |                            | MCB 181R               |                           |                      |
|   | Chem 130<br>Chem 130L | Chem for Allied and Public Health                               | Fall, Spring            | 3,1          | Lec. is needed to take lab | Math 112               |                           |                      |
|   | ACBS 447              | Legal Environment of Business                                   | Fall                    | 3            |                            |                        |                           | Fully online         |
|   | ACBS 420              | Meat Animal Composition   | Spring                  | 3            | ACBS 102R                  |                        |                           | Lecture and Lab      |
| <b>Animal Species Cluster (choose 1):</b>   |                       |   |                         |              |                            |                        |                           |                      |
|   | ACBS 220              | Intro To Dairy Sci  | Spring                  | 3            |                            |                        |                           | Fully online         |
|   | ACBS 210              | Intro to Live Animal & Carcass Eval.                            | Fall                    | 3            |                            |                        |                           |                      |
|   | ACBS 270              | Into to Horse Sci.  | Fall                    | 3            |                            |                        |                           |                      |
| <b>Food Safety Cluster (choose 1):</b>  |                       |   |                         |              |                            |                        |                           |                      |
|   | ACBS 380r             | Food Safety and Microbiology                                    | Fall                    | 3            | MIC 205a                   |                        |                           | Full Online; 7-week  |
|   | ACBS 471              | Risk Assess, Mgmt & Comm  | Spring                  | 3            |                            |                        |                           | Fully online; 7-week |
|   | ACBS 355              | Intro Food Processing & Food Safety Preventive Controls         | Fall                    | 3            |                            |                        |                           | Fully online         |
| <b>Nutrition Cluster (choose 1):</b>  |                       |   |                         |              |                            |                        |                           |                      |
|   | ACBS 336a             | Applied Animal Nutrition  | Spring                  | 3            | ACBS 334                   |                        |                           |                      |
|   | ACBS 445              | Nutritional Physiology and Metabolic Biochemistry               | Spring                  | 3            | CHEM 152 or CHEM 241a      |                        |                           |                      |
| <b>Business Cluster 1 (choose 1):</b>   |                       |   |                         |              |                            |                        |                           |                      |
|   | ACBS 301              | Financial and Econ. Strategies                                  | Fall                    | 3            |                            |                        |                           | Fully Online         |
|   | AREC 315              | Agribusiness Econ.& Management                                  | Fall, Summer            | 3            | ECON 200                   |                        |                           |                      |
| <b>Business Cluster 2 (choose 1):</b>   |                       |   |                         |              |                            |                        |                           |                      |
|   | ACBS 446              | Human Resource Mgmt   | Fall, Spring            | 3            | Jr/Sr Status               |                        |                           | Fully online         |
|   | ACBS 302              | Mgmt and Human Side of Org.                                     | Spring                  | 3            |                            |                        |                           | Fully online         |
| <b>Animal Production Cluster (choose 1):</b>  |                       |   |                         |              |                            |                        |                           |                      |
|   | ACBS 477              | Beef Resource Mgmt.   | Spring                  | 3            |                            |                        |                           |                      |
|   | ACBS 409              | Environmental Phys. of Domestic Animals                         | Spring                  | 3            |                            |                        |                           |                      |
|   |                       | Animal Science Electives (11 units)                             | Fall, Spring, Summer    | 17           |                            |                        |                           |                      |
| <b>ANS Electives include:<br/>300 or 400 level courses.<br/>Course Subjects Allowed; ACBS, MIC, MCB, ECOL, AREC, ALC, RAM, RNR, WFSC, PLS, ENV, BIOC, NSC</b> |                       | <b>At least 6 units must be in the ACBS course subject area</b> |                         |              |                            |                        |                           |                      |

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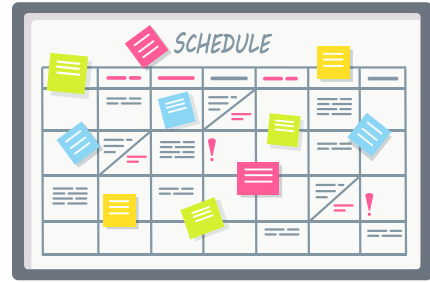
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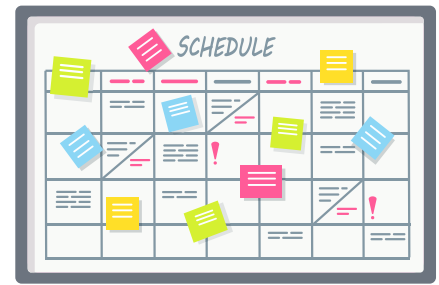
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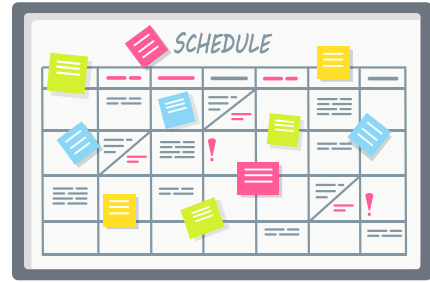
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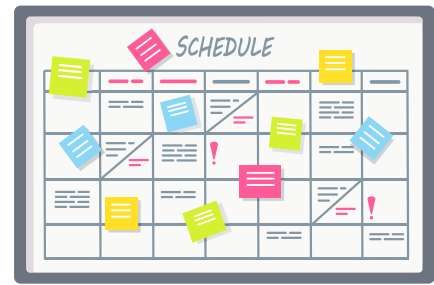
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# SEMESTER PLAN

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