

# Animal Science BS Degree ~ Fall 2025 Catalog

Name: \_\_\_\_\_ SID: \_\_\_\_\_ Updated: \_\_\_\_\_

Career Goal: \_\_\_\_\_

Grad Date: \_\_\_\_\_ Emphasis: \_\_\_\_\_ Honors: \_\_\_\_\_

## **University Unit & General Requirements:**

- Total Units: 120 Units \_\_\_\_\_
- Upper Division Units: 42 Units \_\_\_\_\_
  - Directly refers to 300-400 level units
- Mid Career- Writing Assessment: \_\_\_\_\_
  - B or higher in 2<sup>nd</sup> semester or appropriate dept. course completed (ENGL 307)

## **Foundation University Requirements:**

- **Math**
  - Math 112 College Algebra (3 units) \_\_\_\_\_
- **English**
  - English 101 & 102 (6 units) \_\_\_\_\_ -or-
  - English 109H (3 units) \_\_\_\_\_
- **Second Language (Equivalent to 2<sup>nd</sup> Semester Proficiency)**
  - Semester 1 (4 units) \_\_\_\_\_
  - Semester 2 (4 units) \_\_\_\_\_
    - If placed into 2<sup>nd</sup> semester or higher of a given language only 1 semester will be needed

## **General Education Courses:**

- **UNIV 101 (1 unit)** \_\_\_\_\_ (Only for First Year Admits)
- **UNIV 301 (1 unit)** \_\_\_\_\_ (Only for First Year Admits)
- **Exploring Perspectives (12 units):**
  - Artist (3 units) \_\_\_\_\_
  - Humanist (3 units) \_\_\_\_\_
  - Social Scientist (3 units) \_\_\_\_\_
    - AREC 217 or ECON 200 will satisfy this requirement and count toward your major
  - Natural Scientist (3 units) \_\_\_\_\_
    - Chem 151 or ECOL 182R will satisfy this requirement and count toward your major
- **Building Connections (9 units):**
  - \_\_\_\_\_
  - \_\_\_\_\_
  - \_\_\_\_\_
- Use this [guide](#) to search for General Education courses.

*\*This is not intended to be an official document, just a course planning tool\**

**Core Animal Science Courses (34 units total):**

- **ACBS102R: Intro to Animal Science Lecture (3 units)** \_\_\_\_\_
  - No prerequisites; Fall only course
- **ACBS102L: Intro to Animal Science Lab (1 unit)** \_\_\_\_\_
  - No prerequisites; Fall only course
  - **Off Campus course- Campus Ag Center (Roger Rd and Campbell Ave)**
- **MCB181R and MCB 181L: General Biology I Lecture and Lab (4 units)** \_\_\_\_\_
  - Required completion of Math 112 (College Algebra)
  - Suggested prerequisite: CHEM 151 General Chemistry
- **ACBS215: Physiology and Anatomy of Domestic Animals (3 units)** \_\_\_\_\_
  - Fully Online Course; Spring only Course
- **AREC 217: Econ. of Food and Ag.: Sustainable Solutions for a Changing World (3 units)** \_\_\_\_\_
  - Satisfied Exploring Perspectives Social Scientist Requirement
- **ACBS 222: Animal Ethology and Welfare Science (3 units)** \_\_\_\_\_
  - Fall Only
- **ACBS334: Principles of Animal Nutrition (3 units)** \_\_\_\_\_
  - Fall Only
- **ACBS313: Principles of Animal Genetics (3 units)** \_\_\_\_\_
  - Spring Only
- **ACBS315R: Physiology of Reproduction Lecture (3 units)** \_\_\_\_\_
  - Fall Only
- **ACBS 315L: Physiology of Reproduction Lab (1 unit)** \_\_\_\_\_
  - Fall Only
  - **Off Campus course- Campus Ag Center (Roger Rd and Campbell Ave)**
- **ACBS395A: An ACBS Guide: Designing the Professional (1 unit)** \_\_\_\_\_
  - Fall Only
- **Statistics (3 to 4 units)** \_\_\_\_\_
  - Options include Math 163, Math 263, SBS 200, AREC 239 and Psy 230
- **Communications (3 units)** \_\_\_\_\_
  - Options include: Comm 101, 119; ENGL 307, 308; ALC 422; AED 301

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**Animal Industry Emphasis Core Requirements (51 units total):**

- **ECOL 182R: Introduction to Biology II Lecture (3 units)** \_\_\_\_\_
- **MIC 205a: General Microbiology Lecture (3 units)** \_\_\_\_\_
- **CHEM 130 and CHEM 130L: Chem for Allied and Public Health Lecture and Lab (3,1 units)** \_\_\_\_\_
  - Math 112 Required
- **ACBS 420: Meat Animal Composition (3 units)** \_\_\_\_\_
  - Spring Only
- **ACBS 447: Legal Environment of Business (3 units)** \_\_\_\_\_
  - Fall Only
  - Fully Online
- **ACBS 405: Principles of Livestock Health Management (3 units)** \_\_\_\_\_
  - Spring Only
  - Fully Online
- **Animal Species Cluster 1 (Pick 1 course):**
  - **ACBS 210: Introduction to Live Animal & Carcass Evaluation (3 units)** \_\_\_\_\_
    - Fall Only
    - *Off Campus course- Campus Ag Center (Roger Rd and Campbell Ave)*
  - **ACBS 270: Introduction to Horse Science (3 units)** \_\_\_\_\_
    - Fall Only
  - **ACBS 220: Introduction to Dairy Science (3 units)** \_\_\_\_\_
    - Spring Only
    - Fully Online
- **Animal Species Cluster 2 (Pick 1 course):**
  - **ACBS 477: Beef Resource Management (3 units)** \_\_\_\_\_
    - Spring Only
  - **ACBS 409: Environmental Physiology of Domestic Animals (3 units)** \_\_\_\_\_
    - Spring Only
- **Food Safety Cluster (Pick 1 course):**
  - **ACBS 380R: Food Safety and Microbiology Lecture (3 units)** \_\_\_\_\_
    - Fall Only
    - Fully Online
    - MIC 205a required
  - **ACBS 355: Introduction to Food Processing & Food Safety Preventive Controls (3 units)** \_\_\_\_\_
    - Fall Only
    - Fully Online
  - **ACBS 471: Risk Assessment, Management, & Communication (3 units)** \_\_\_\_\_
    - Spring Only
    - Fully Online

- **Nutrition Cluster (Pick 1 course):**
  - **ACBS 336a: Applied Animal Nutrition (3 units)** \_\_\_\_\_
    - Spring Only
    - ACBS 334 required
  - **ACBS 445: Nutritional Physiology and Metabolic Biochemistry (3 units)** \_\_\_\_\_
    - Spring Only
    - CHEM 152/CHEM 241a Required
  
- **Business Cluster 1 (Pick 1 course):**
  - **ACBS 301: Financial and Economic Strategies (3 units)** \_\_\_\_\_
    - Fall Only
    - Fully Online
  - **AREC 315: Agribusiness, Economics and Management (3 units)** \_\_\_\_\_
    - Fall Only
    - ECON 200, ECON 201a or AREC 217 Required
  
- **Business Cluster 2 (Pick 1 course):**
  - **ACBS 302: Management and the Human Side of Organizations (3 units)** \_\_\_\_\_
    - Spring Only
    - Fully Online
  - **ACBS 446: Human Resource Management (3 units)** \_\_\_\_\_
    - Spring Only
    - Fully Online
  
- **ANS Major Electives (17 units)** \_\_\_\_\_
  - Must be from one of the following prefixes:
    - ACBS, MIC, PLS, ENVS, RAM, RNR, AED, ALC, AGTM, AREC ENTO, WFSC, MCB or ECOL
  - Must be a 300-400 Level Course
  - 6 units must be ACBS prefixed courses
  - These need to be unique to the major
  - Use this [guide](#) to filter for Upper Division Major Electives