

# 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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## **Science & Pre-Professional Emphasis Core Requirements (51 units total):**

- **Chem 151: General Chemistry I (4 units)** \_\_\_\_\_
  - Requires completion of Math 112; includes lab component
- **Chem 152: General Chemistry II (4 units)** \_\_\_\_\_
  - Should be completed sequentially after CHEM 151; Includes lab component
- **CHEM 241a, 243a: Organic Chemistry I Lecture and Lab (3- and 1-unit(s))** \_\_\_\_\_
- **CHEM 241b, 243b: Organic Chemistry II Lecture and Lab (3- and 1-unit(s))** \_\_\_\_\_
- **PHYS 110: General Physics I (4 units)** \_\_\_\_\_
  - Requires completion of Math 112
  - Includes the lab component
- **PHYS 111: General Physics II (4 units)** \_\_\_\_\_
  - Includes the lab component
- **ECOL 182r and ECOL 182L: General Biology II Lecture and Lab (3- and 1-unit(s))** \_\_\_\_\_
- **MIC 205a: General Microbiology Lecture (3 units)** \_\_\_\_\_
  - Recommended to complete MCB 181R as a prerequisite
  - Only lecture component- consult with academic advisor about need to complete the lab
- **MCB 410: Cell Biology (3 units)** \_\_\_\_\_
  - Requires completion of MCB 181R and ECOL 182R
- **ACBS 400a: Animal Anatomy & Physiology (3 units)** \_\_\_\_\_
  - Fall Only
- **ACBS 445: Nutritional Physiology and Metabolic Biochemistry (3 units)** \_\_\_\_\_
  - Requires Organic Chemistry I Lecture (CHEM 241a)
  - Spring Only
- **ANS Major Electives (11 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