

DEPARTMENT OF ANIMAL SCIENCE

Major in Animal Science

Check Sheet for Animal Enterprise (ANET) Concentration

2026-2027

University Requirements: 1 hour¹

- ☐ UNIV 10051 University Perspectives

English/ Communications: 12 hours

- ☐ ENGL 10103 Composition I
☐ ENGL 10203 Composition II

Choose 6 hours Communication Intensive Electives:²

Check for completion	Course I. D.:	Course Name:
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US History or Government: 3 hours

- ☐ HIST 20003 **OR** HIST 20103 **OR** PLSC 20003

Mathematics: 3 hours

- ☐ MATH 11003 College Algebra

Biological Sciences: 8 hours

- ☐ BIOL 10103 Principles of Biology **AND**
☐ BIOL 10101 Principles of Biology Lab
☐ BIOL 20003 General Microbiology **AND**
☐ BIOL 20001 General Microbiology Lab **OR**
ANSC 24133 Domestic Animal Microbiology **AND**
ANSC 24131 Domestic Animal Microbiology Lab

Chemical and Physical Sciences: 8 hours

- ☐ CHEM 12103 Fundamentals of Chemistry **AND**
☐ CHEM 12101 Fundamentals of Chemistry Lab **OR**
CHEM 14103 University Chemistry I **AND**
CHEM 14101 University Chemistry I Lab
Choose one lecture/lab from the following:
☐ CHEM 14203 University Chemistry II **AND**
☐ CHEM 14201 University Chemistry II Lab
☐ CHEM 26103 Organic Physiological Chemistry **AND**
☐ CHEM 26101 Organic Physiological Chemistry Lab
☐ CHEM 36053 Organic Chemistry I **AND**
☐ CHEM 36051 Organic Chemistry I Lab
☐ ENSC 10003 Environmental Science **AND**
☐ ENSC 10001 Environmental Science Lab
☐ ENTO 10203 Insects, Science and Society **AND**
☐ ENTO 10201 Insects, Science and Society Lab
☐ PHYS 20103 College Physics I **AND**
☐ PHYS 20101 College Physics I Lab

Fine Arts/Humanities: 6 hours

Choose 3 hours from Fine Arts and 3 hours from Humanities:²

Check for completion	Course I. D.:	Course Name:
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Social Sciences: 9 hours

Choose 9 hours Social Science Core:²

Check for completion	Course I. D.:	Course Name:
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Animal Science Core: 33 hours

- ☐ ANSC 10303 Introductory Animal Sciences
☐ ANSC 17801 Career Preparation and Development
☐ ANSC 21133 Intro to Animal Evaluation and Handling **AND**
☐ ANSC 21131 Intro to Animal Evaluation and Handling Lab
☐ ANSC 26102 Intro to Animal Products
☐ ANSC 31203 Principles of Genetics **OR**
ANSC 31303 Animal Breeding and Genetics **OR**
BIOL 23373 General Genetics
☐ ANSC 31433 Principles of Animal Nutrition **AND**
☐ ANSC 31431 Animal Nutrition Lab
☐ ANSC 32103 Behavior of Domestic Animals **OR**
ANSC 44103 Animal Welfare **OR**
ANSC 37703 Equine Behavior
☐ ANSC 30303 Animal Physiology
☐ ANSC 34303 Fundamentals of Reproductive Physiology
☐ ANSC 49903 Animal Capstone
Select a minimum of 4 hours from the following:⁴
☐ ANSC 42502 Cow-Calf Management
☐ ANSC 42602 Swine Production
☐ ANSC 42702 Sheep Production
☐ ANSC 42802 Horse Production
☐ ANSC 44502 Milk Production
☐ ANSC 44802 Companion Animal Management
☐ ANSC 46502 Stocker-Feedlot Cattle Management
☐ ANSC 46603 Comparative Studies in Panamanian and
US Agricultural Practices³
☐ ANSC 4100V Special Topics in Animal Sciences³
☐ POSC 23403 Poultry Production

Animal Enterprise Concentration: 21 hours

- ☐ ANSC 30702 Equine Selection and Evaluation **OR**
ANSC 32802 Livestock Judging and Selection **OR**
ANSC 37601 Ranch Horse Riding
☐ ANSC 41603 Companion Animal Nutrition **OR**
ANSC 45503 Forage-Ruminant Relations **OR**
POSC 43403 Poultry Nutrition
☐ AGECE 33003 Food and Agricultural Marketing **OR**
ANSC 37203 Horse and Livestock Merchandising **OR**
AGECE 33103 Agribusiness Sales

Choose 3 hours from the following:

- ☐ ANSC 23303 Introduction to Animal Health
- ☐ ANSC 30003 Applied Animal Parasitology
- ☐ ANSC 30103 Parasitisms of Domesticated Non-Herbivores
- ☐ ANSC 36103 Meat Science
- ☐ ANSC 43003 Comparative Veterinary Anatomy
- ☐ ANSC 43303 Diseases of Livestock
- ☐ ANSC 46103 Muscle Growth and Development

Choose 4 hours from the following:⁴

- ☐ ANSC 42502 Cow-Calf Management
- ☐ ANSC 42602 Swine Production
- ☐ ANSC 42702 Sheep Production
- ☐ ANSC 42802 Horse Production
- ☐ ANSC 44502 Milk Production
- ☐ ANSC 44802 Companion Animal Management
- ☐ ANSC 46502 Stocker-Feedlot Cattle Management
- ☐ ANSC 46603 Comparative Studies in Panamanian and US Agricultural Practices³
- ☐ ANSC 4100V Special Topics in Animals Sciences³

Choose 6 hours from the following:

- ☐ ANSC 20003 Introduction to Equine Industry
- ☐ AGECE 21403 Agribusiness Financial Records
- ☐ AGECE 34003 Farm Business Management
- ☐ ASTM 29003 AHES Application of Microcomputers
- ☐ CSES 12003 Introduction to Plant Sciences
- ☐ FDSC 25203 Sanitation and Safety in Food Processing Operations

General Electives: 16 hours⁵

Check for completion	Course I. D.:	Course Name:
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OTHER REQUIREMENTS FOR A B.S.A. DEGREE

120 Total Hours of which:
 40 hours must be 30000/40000 level courses
 9 hours must be in Bumpers College but outside of departmental major
 Minimum GPA of 2.0

¹ UNIV 10051 is required for new freshmen or transfer with less than 24 hours

² See student degree audit for approved list of courses.

³ Study Abroad with ANSC faculty-led program (Only 1 program allowed for production requirement)

⁴ Courses cannot be duplicated to meet degree requirements.

⁵ Depending on number of Upper Division courses completed, some general electives may need to be 30000 or 40000 level.