

DEPARTMENT OF ANIMAL SCIENCE

Major in Animal Science

Check Sheet for Equine Systems (EQSC) Concentration

2022-2023

University Requirements: 1 hour²

- ☐ UNIV 1001 University Perspectives

English/ Communications: 12 hours

- ☐ ENGL 1013 Composition I

- ☐ ENGL 1023 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 2003 **OR** HIST 2013 **OR** PLSC 2003

Mathematics: 3 hours

- ☐ MATH 1203 College Algebra

Sciences: 8 hours

- ☐ BIOL 1543 Principles of Biology

- ☐ BIOL 1541L Principles of Biology Lab

- ☐ BIOL 2013 General Microbiology

- ☐ BIOL 2011L General Microbiology Lab

Chemical and Physical Sciences: 8 hours

- ☐ CHEM 1073 Fundamentals of Chemistry

- ☐ CHEM 1071L Fundamentals of Chemistry Lab **OR**

- ☐ CHEM 1123 University Chemistry II

- ☐ CHEM 1121L University Chemistry II Lab

Choose one lecture/lab from the following:

- ☐ CHEM 2613 Organic Physiological Chemistry

- ☐ CHEM 2611L Organic Physiological Chemistry Lab

- ☐ CHEM 3603 Organic Chemistry I

- ☐ CHEM 3601L Organic Chemistry I Lab

- ☐ ENSC 1003 Environmental Science

- ☐ ENSC 1001L Environmental Science Lab

- ☐ ENTO 1023 Insects, Science and Society

- ☐ ENTO 1021L Insects, Science and Society Lab

- ☐ PHYS 2013 College Physics I

- ☐ PHYS 2011L 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: 31 hours

- ☐ ANSC 1033 Introductory Animal Sciences

- ☐ ANSC 1781 Career Preparation and Development

- ☐ ANSC 2113 Intro to Animal Evaluation and Handling

- ☐ ANSC 2111L Intro to Animal Evaluation and Handling Lab

- ☐ ANSC 3123 Principles of Genetics **OR**

- ☐ ANSC 3133 Animal Breeding and Genetics

- ☐ ANSC 3143 Principles of Animal Nutrition

- ☐ ANSC 3141L Animal Nutrition Lab

- ☐ ANSC 3213 Behavior of Domestic Animals

- ☐ ANSC 3033 Animal Physiology

- ☐ ANSC 3433 Fundamentals of Reproductive Physiology

- ☐ ANSC 4993 Animal Capstone

Choose two courses from the following (4 hours):⁴

- ☐ ANSC 4252 Cow-Calf Management

- ☐ ANSC 4262 Swine Production

- ☐ ANSC 4272 Sheep Production

- ☐ ANSC 4282 Horse Production

- ☐ ANSC 4452 Milk Production

- ☐ ANSC 4482 Companion Animal Management

- ☐ ANSC 4652 Stocker-Feedlot Cattle Management

- ☐ ANSC 4662 Comparative Studies in Panamanian and US Agricultural Practices

- ☐ ANSC 410V Special Topics in Animal Sciences^{3,4}

Equine Systems Concentration: 21 hours⁴

- ☐ ANSC 2003 Introduction to Equine Industry

- ☐ ANSC 3723 Horse and Livestock Merchandising

- ☐ ANSC 4282 Horse Production

Choose 3 hours from the following:

- ☐ ANSC 2333 Introduction to Animal Health

- ☐ ANSC 3003 Applied Animal Parasitology

- ☐ ANSC 3333 Diseases of Livestock

Choose 10 hours from the following:

- ☐ ANSC 2303L Introduction to Horsemanship

- ☐ ANSC 3072 Equine Selection and Evaluation

- ☐ ANSC 3753 Equine Assisted Activities and Therapies

- ☐ ANSC 4123 Legal Issues in Animal Agriculture

- ☐ ANSC 4163 Companion Animal Nutrition

- ☐ ANSC 4173 Thoroughbred Horse Industry

- ☐ ANSC 4303 Comparative Veterinary Anatomy

- ☐ ANSC 4553 Forage-Ruminant Relations

General Electives: 18 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 3000/4000 level courses

9 hours must be in Bumpers College but outside of departmental major

Minimum GPA of 2.0

¹ UNIV 1001 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 to New Zealand or Australia

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 3000 or 4000 level.