

# DEPARTMENT OF ANIMAL SCIENCE

## Major in Animal Science

### Check Sheet for Pre-Professional Science (PPRF) Concentration

2023-2024

Name:

I.D. Number:

Advisor:

#### University Requirements: 1 hour<sup>2</sup>

- ☐ UNIV 1001 University Perspectives

#### English/ Communications: 12 hours

- ☐ ENGL 1013 Composition I

- ☐ ENGL 1023 Composition II

Choose 6 hours Communication Intensive Electives:<sup>2</sup>

| Check for completion     | Course I. D.: | Course Name: |
|--------------------------|---------------|--------------|
| <input type="checkbox"/> |               |              |
| <input type="checkbox"/> |               |              |

#### US History or Government: 3 hours

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

#### Mathematics: 3 hours

- ☐ MATH 1203 College Algebra or higher?

#### Biological Sciences: 8 hours

- ☐ BIOL 1543 Principles of Biology

- ☐ BIOL 1541L Principles of Biology Lab

- ☐ BIOL 2013 General Microbiology

- ☐ BIOL 2011L General Microbiology Lab **OR**

- ☐ ANSC 2413 Domestic Animal Microbiology

- ☐ ANSC 2411L Domestic Animal Microbiology Lab

#### Chemical and Physical Sciences: 8 hours

- ☐ CHEM 1073 Fundamentals of Chemistry

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

- ☐ CHEM 1103 University Chemistry I

- ☐ CHEM 1101L University Chemistry I Lab

Choose one lecture/lab from the following:

- ☐ CHEM 1123 University Chemistry II

- ☐ CHEM 1121L University Chemistry II Lab

- ☐ 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:<sup>2</sup>

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

Choose 9 hours Social Science Core:<sup>2</sup>

| Check for completion     | Course I. D.: | Course Name: |
|--------------------------|---------------|--------------|
| <input type="checkbox"/> |               |              |
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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):<sup>4</sup>

- ☐ 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<sup>3,4</sup>

#### Pre-Professional Science Concentration: 20-21 hours

- ☐ CHEM 3613 Organic Chemistry II

- ☐ CHEM 3611L Organic Chemistry II Lab

- ☐ CHEM 3813 Elements of Biochemistry

- ☐ BIOL 2533 Cell Biology **OR**

- ☐ BIOL 1603 Principles of Zoology **AND**

- ☐ BIOL 1601L Principles of Zoology Lab

- ☐ PHYS 2013 College Physics I

- ☐ PHYS 2011L College Physics I Lab

- ☐ PHYS 2033 College Physics II

- ☐ PHYS 2031L College Physics II Lab

Choose 2 hours from the following:

- ☐ 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<sup>3,4</sup>

**General Electives: 18-19 hours<sup>5</sup>**

| 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

<sup>1</sup> UNIV 1001 is required for new freshmen or transfer with less than 24 hours

<sup>2</sup> See student degree audit for approved list of courses.

<sup>3</sup> Study Abroad to New Zealand or Australia

<sup>4</sup> Courses cannot be duplicated to meet degree requirements.

<sup>5</sup> Depending on number of Upper Division courses completed, some general electives may need to be 3000 or 4000 level.