

Animal Science: Science

GENERAL EDUCATION REQUIREMENTS

CORE+ Courses - Student MUST complete the following courses with grade greater than or equal to C-, unless otherwise stated.

Completion of the CORE+ curriculum is a university-wide requirement that must be met in addition to major-specific courses and any additional degree requirements. It forms part of the general education component of your degree.

C – Critical Thinking Skills

C1		3
C2 – prerequisite needed is MATH 110**		3
C3		3

O – Oral & Written Communication

O1		3
O2 – prerequisites needed are ENGL 104 & ENGL 106**		3
O3		3

R – Relationships with the World

R1		3
R2		3
R3		3

E - Engagement for Meaningful Lives and Productive Career

E1		3
E2		3
E3		3

U - Oiler Six CORE+ Requirements

U1		
U2		

U1 Outcome Students will engage in reflective summative study in a capstone course, and/or engage in on- or off-campus experiential learning (undergraduate research, service learning, internships, study abroad), for three to six semester hours of coursework.	U2 Outcome And, for no more than three semester hours, students will: • perform or create original expressive work, OR • articulate models promoting lifelong learning and wellbeing, OR • complete an additional CORE Elective (e.g. E3)
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***Placement into English, Math, and Chemistry course are determined by reported scores from standardized tests, UF placement tests, or prior credit (CCP/AP). Upon evaluation a prerequisite may be required.*

MAJOR REQUIREMENTS

Science and Math Courses - Student MUST complete the following courses with grade greater than or equal to C.

CHEMISTRY**

General Chemistry I & Lab	CHEM 130	4
General Chemistry II & Lab	CHEM 131	4
Organic Chemistry I & Lab	CHEM 210	4
Organic Chemistry II & Lab	CHEM 211	4

BIOLOGY

Biology 102 - Intro to Biological Sciences OR Higher	BIOL 102	4
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MATHEMATICS**

MATH 123 – Statistics OR MATH 221 OR MATH 223		
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MAJOR REQUIREMENTS

Animal Science - Student MUST complete the following courses with grade greater than or equal to C.

First Year Experience	ANSC 110	1
Introduction to Animal Science	ANSC 131	3
Principles of Food Animal Nutrition	ANSC 231	3
Physiology of Reproduction & Growth	ANSC 232	3
Animal Breeding & Genetics	ANSC 310	3
Animal Science Junior Seminar	ANSC 399	1
Animal Science Senior Seminar	ANSC 499	1
Animal Science Elective Courses: see back of sheet for options.		15

Advanced ANSC: Must take 2 - Student MUST complete the following courses with grade greater than or equal to C.

Principles of Food Safety	ANSC 360	3
Advanced Animal Reproduction	ANSC 402	3
Advanced Equine Reproduction	EQST 402	3
Advanced Animal Nutrition	ANSC 404	3

Production and Management: must take 2 - Student MUST complete the following courses with grade greater than or equal to C.

Beef Production & Mgmt.	ANSC 351	2
Dairy Production & Mgmt.	ANSC 352	2
Sheep Production & Mgmt.	ANSC 353	2
Swine Production & Mgmt.	ANSC 354	2
Horse Production & Mgmt.	ANSC 355	2
Poultry Production & Mgmt.	ANSC 356	2

Animal Science Electives – 15 credits required.

Student MUST complete the following courses with grade greater than or equal to C.

- ___ ANSC 133 – Practical Animal Handling I: Equine (2hrs)
- ___ ANSC 134 – Practical Animal Handling II: Food Animals (2hrs)
- ___ ANSC 240 – Animal Products (3hrs)
- ___ ANSC 260 – Principles of Meat Science (3hrs)
- ___ ANSC 305 – Graduate/Professional School Seminar (1hr)
- ___ ANSC 310 – Principles of Animal Breeding and Genetics (3hrs) *
- ___ ANSC 315 – Farm Business Management (3hrs)
- ___ ANSC 320 – Meat Animal Evaluation (3hrs)
- ___ ANSC 330 – Forage & Crop Production (3hrs)
- ___ ANSC 331 – Small Animal Medicine (3hrs) *
- ___ ANSC 332 – Food Animal Medicine (3hrs) *
- ___ ANSC 340 – Livestock & Agricultural Product Merchandising (3hrs)

- ___ ANSC 351 – Beef Production & Mgmt. (2hrs) *
- ___ ANSC 352 – Dairy Production & Mgmt. (2hrs) *
- ___ ANSC 353 – Sheep Production & Mgmt. (2hrs) *
- ___ ANSC 354 – Swine Production & Mgmt. (2hrs) *
- ___ ANSC 355 – Horse Production & Mgmt. (2hrs) *
- ___ ANSC 356 – Poultry Production & Mgmt. (2hrs) *

- ___ ANSC 360 – Principles of Food Safety (3hrs)
- ___ ANSC 402 – Advanced Animal Reproduction (3hrs)
- ___ ANSC 404 – Advanced Animal Nutrition (3hrs)
- ___ ANSC 412 – Advanced Food Animal Reproduction Techniques (2hrs)
- ___ ANSC 435 – Introduction to Animal Ultrasound (2hrs)
- ___ ANSC 460 – Meat Products & Processing (3hrs)

**Courses required for the emphasis will not double count as electives.
Once emphasis requirements are fulfilled, additional courses in that category may count as electives.*

Production Lab Electives

- ___ ANSC 351L – Beef Production & Management/Lab (1hr)
- ___ ANSC 352L – Dairy Production & Management/Lab (1hr)
- ___ ANSC 353L – Sheep Production & Management/Lab (1hr)
- ___ ANSC 354L – Swine Production & Management/Lab (1hr)
- ___ ANSC 355L – Horse Production & Management/Lab (1hr)
- ___ ANSC 365L – Poultry Production & Management/Lab. (1hr)

Cross-Listed Electives

- ___ EQST 301 – Equine Preventative Medicine (3hrs)
- ___ EQST 302 – Farm & Stable Management (3hrs)
- ___ EQST 332 – Equine Exercise Physiology (3hrs)
- ___ EQST 337 – Equine Marketing (3hrs)
- ___ EQST 402 – Advanced Equine Reproduction (3hrs)
- ___ EQST 404 – Advanced Equine Nutrition (3hrs)
- ___ EQST 405 – Advanced Reproduction Techniques (2hrs)
- ___ EQST 435 – Equine Law (3hrs)
- ___ EQST 480 – Internship (max 6hrs)
- ___ EQST 490 – Advanced Topics in Equine Science (max 6hrs)

Each may be used up to a maximum of 6 credit hours

- ___ ANSC 470 – Research in Animal Science
- ___ ANSC 480 – Internship
- ___ ANSC 485 – International Animal Science Experience
- ___ ANSC 490 – Advanced Topics in Animal Science
- ___ Any ASLA (Loop Abroad) course

Requirements for Graduation

- ___ Student must complete **120 Semester Hours**
- ___ Student has completed 104 Semester Hours with grade greater than or equal to C-.
- ___ Student has cumulative **GPA greater than or equal to 2.00.**
- ___ Student has completed all **CORE+** course requirements: C1 C2 C3 | O1 O2 O3 | R1 R2 R3 | E1 E2 E3
- ___ Student has completed the **Oiler Six CORE+** Requirements:
 - Student has completed 3 Semester Hours from All CORE courses with course tags of U1 with grade greater than or equal to C-
 - And Student has satisfied all the following: Student has completed 6 Semester Hours from All U1/U2 courses with grade greater than or equal to C.
- ___ Student has completed the following courses with grade greater than or equal to C: ANSC 131, ANSC 231, ANSC 232, ANSC 310.
- ___ Student has completed the BS Animal Science-Science **Core Lower-Level courses** with grade greater than or equal to a C.
- ___ Student has completed the BS Animal Science-Science **Core Upper-Level courses** with grade greater than or equal to a C.
- ___ Student has completed the BS Animal Science-Science **Production and Management courses** with grade greater than or equal to a C.
- ___ Student has completed the BS Animal Science-Science **Junior and Senior Seminar courses** with grade greater than or equal to a C.
- ___ Student has completed the BS Animal Science-Science **ANSC Elective courses** with grade greater than or equal to a C.