
Animal Sciences

Animal Industry Specialization *Equine - Option*

Freshman year - Fall semester: **14 credits**

ENC 1101	Exposit/Argumentative Writing	3
MAC 1147	Precalculus (algebra, trig)	4
Gen. Ed. (H)	Humanities	3
CHM 2045	General Chemistry 1	3
CHM 2045L	General Chemistry 1 Lab	1

(complete the chemistry placement exam/CHM 2040 may be required)

Freshman year - Spring semester: **15 credits**

ENC 1102	Writing about Literature	3
BSC 2010	Principles of Biology 1	3
BSC 2010L	Principles of Biology 1 Lab	1
Gen. Ed. (M)	Mathematics	2
Gen. Ed. (H)	Humanities	3
AEE 3030C	Oral Communications in Ag (or SPC 2600-Speech)	3

Sophomore year - Fall semester: **15-17 credits**

BSC 2011	Principles of Biology 2	3
BSC 2011L	Principles of Biology 2 Lab	1
AEB 3103	Food and Resource Economics (or ECO 2023-Microeconomics)	3-4
AEE 3033C	Writing for Agriculture (or ENC 2210-Technical Writing)	3
Electives		5-6

Sophomore year - Spring semester: **15 credits**

MCB 2000	Microbiology	3
MCB 2000L	Microbiology Lab	1
Gen. Ed. (S)	Social/Behavioral Sciences	3
Electives		8

Junior year - Fall semester: **13 credits**

ANS 3006C	Introduction to Animal Science	4
ANS 3440	Principles of Animal Nutrition	4
ANS 3230	Survey of Equine/Allied Industry	1
AEB 3112L	Intro to Ag Computer Applications	1
ANS 3043	Growth & Development Animals	3

Junior year - Spring semester: **13 credits**

AGR 4231C	Forage Science/Range Management	4
ANS 3319	Repro. Phys/Endo of Animals	3
ANS 3315L	Techniques in Horse Repro.	1
ANS 3384	Genetic Improvement of Animals	3
ANS 3079L	Rel. of Form to Function in Horses	2

Junior year - Summer semester: **3 credits**

ANS 4941	Internship	
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Senior year - Fall semester: **14-16 credits**

AEB 3133	Principles of Agribusiness Mgt.	3
ANS 3237C	Equine Health Management	2
ANS 3405	Equine Nutrition/Feeding Mgt.	2
AEB 3424	Human Resource Management (or AEE 3414-Leadership Develop.)	3
A course in.....	Food and Resource Economics	1-3
* Electives		3

Senior year - Spring semester: **13-15 credits**

ANS 4234	Horse Enterprise Management	2
ANS 4931	Senior Seminar	1
A course in.....	Food and Resource Economics	1-3
* Electives		9

* By selecting the correct electives, a student may earn a minor or a dual major in another area (such as Agribusiness Management, Extension Education, or Agricultural Operations Management) while completing the requirements of an *Animal Industry Option*.
