

FOOD ANIMAL APPROVED ELECTIVES

For graduation, all Food Animal Specialization students must complete a **minimum** of 12 credits of approved Food Animal electives.

Students can concentrate their elective options in a particular specie or industry area, or they may diversify their elective options to meet degree requirements. Specie and industry areas include:

- Beef Cattle Production
- Pork Production
- Dairy Cattle Production
- Food Safety and Meats Processing

Course Number	Course Title	Credits	Concentration Area
ANS 2615C	Meat Selection and Grading	2	Meats
ANS 3008	Livestock Behavior & Welfare	3	
ANS 3239L	Ranch Horse Management *offered every other spring - odd years	2	Beef & Equine
ANS 3246L	Beef Production Practicum	2 Fall <u>+ 2 Spring</u> 4 max	Beef
ANS 3250L	Dairy Cattle Practicum	2	Dairy
ANS 3251	Biology & Management of Dairy Cattle	2	Dairy
ANS 4243	Beef Cow-Calf Management	5	Beef
ANS 4245C	Beef Background & Feedlot Management	2	Beef
ANS 4604C	Live Animal Evaluation	2	
ANS 4605	Livestock Judging Team Meats Judging Team Meat Animal Evaluation Team	1 Fall <u>+ 1 Spring</u> 2 per team	
ANS 4635C	Meat Processing	3	Meats
ANS 4623C	Pork Production	3	Pork
ANS 4701	Physiology of the Mammary Gland and Lactation	2	Dairy
ANS 4932	Animal Physiology	3	
ANS 4320C	Applied Ruminant Reproductive Management	4	Beef Dairy
ANS 4932	Dairy Farm Evaluation	3	Dairy
ANS 4932	Sustainable Cattle Systems	1	
ANS 4932	Techniques in Molecular Genetics	2	
ALS 4932	HACCP Systems	2	Meats
FOS 3042	Introduction to Food Science	3	Meats
FOS 4202	Food Safety and Sanitation	2	Meats
FOS 4222	Food Microbiology	3 - 4	Meats
FOS 4222L	Food Microbiology Lab	2	Meats
FOS 4310L	Experimental Foods Lab	1	Meats
FOS 4311	Food Chemistry	3	Meats
FOS 4311L	Food Chemistry Lab	1	Meats
FOS 4321C	Food Analysis	4	Meats
FOS 4427C	Principles of Food Processing	4	Meats
FOS 4722C	Quality Control in Food Systems	3	Meats
FOS 4731	Government Regulations and the Food Industry	2	Meats

***Color codes: Fall and Spring only, Fall only, Spring only**

FOOD and RESOURCE ECONOMICS APPROVED ELECTIVES

For graduation, all Food Animal Specialization students must complete a **total** of 9 credits of Food and Resource Economics (Agribusiness) courses. Three credits must come from AEB 3133 Principles of Agribusiness Management. The additional 6 credits (**minimum**) must come from the approved Food and Resource Economics elective listing below.

Course Number	Course Title	Credits	Course Delivery	Course Pre-Requisites	FRE Minor Course Applies
AEB 3144	Introduction to Agricultural Finance	3	Traditional	AEB 3122 or ACG 2071	FRE; Mgmt. & Sales
AEB 3300	Agricultural & Food Marketing	3	Online	AEB 3103 or AEB 2014 or ECO 2013 or ECO 2023	FRE; Mgmt. & Sales
AEB 3315	Futures Markets& Risk Management in Agriculture	3	Traditional		FRE; Mgmt. & Sales
AEB 3341	Selling Strategically	3	Online		FRE; Mgmt. & Sales
AEB 4085	Agricultural Risk Management & the Law	3	Traditional		FRE; Ag Law
AEB 4242	International Trade Policy in Agriculture	3	Traditional	AEB 3103 or ECO 2023	FRE; Ag Law; Intl. Dev; Ag Ethics & Policy
AEB 4309	Food Wholesaling and Retail Marketing	3			Mgmt. & Sales
AEB 4342	Agribusiness & Food Marketing Management	3	Traditional	AEB 3133; FRE majors in the Agribusiness Specialization	FRE; Mgmt. & Sales
AEB 4343	International Agribusiness Marketing	3	Traditional	AEB 3300	FRE; Mgmt. & Sales
AEB 4424	Human Resources Management in Agribusiness	3	Online		FRE; Mgmt. & Sales Ag Law

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PLEASE NOTE: Food Animal Specialization students can complete an additional 6 credits of Food and Resource Economics courses (in addition to the required 9 credits) and earn a minor in [Management and Sales in Agribusiness](#). Courses that would count towards this minor are noted in the table above.

Students interested in adding this minor should meet with their academic advisor before declaring the minor. Once approved by their academic advisor, students should complete the following [minor application form](#) before completing all of the coursework towards the minor.

All attempts at courses count towards a student's excess hour total, including courses for a minor. Minors must be completed before a student completes their degree requirements – minor courses cannot be completed after a student meets their major program requirements.