

BEEF CATTLE PRODUCTION MANAGEMENT CERTIFICATE (24 CREDITS)

Successful certificate completion requires a minimum of 18 credits at the 3000 (junior) or 4000 (senior) level. Additionally, the certificate must include at least 9 unique credits that are not used to meet any other department, college, or university requirement. Unique credits can be used as elective credits.

Foundation Course (3 credits)		Credits
AN S 2260	Beef Science	3
Fundamental Disciplines (9 credits)		
AN S 3200	Animal Feeds and Feeding	3
AN S 3310	Domestic Animal Reproduction	3
AN S 3520	Genetic Improvement of Domestic Animals	3
Expertise Expansion (3 Credits)		
AGRON 2800	Crop Development, Production, and Management	3
AGRON 3340	Forage Crop Management	3
AN S 3330	Embryo Transfer and Related Technologies	3
AN S 3360	Domestic Animal Behavior and Well-Being	3
AN S 3450	Growth and Development of Domestic Animals	3
AN S 3600	Fresh Meats	3
TSM 3270	Animal Production Systems	3
TSM 4550	Feed Processing and Technology	3
TSM 4570	Feed Safety, Ingredient Quality, and Analytics	3
VDPAM 4870	Livestock Disease Prevention	3
Enterprise Management (3 credits)		
AGEDS 4510	Agricultural Law	3
ECON 2300	Farm Business Management	3
ECON 2350	Introduction to Agricultural Markets	3
ECON 332 0	Cooperatives	3
ECON 3340	Entrepreneurship in Agriculture	3
Beef Cattle Production (6 credits)		
AN S 4260	Beef Cattle Systems Management	3
ANS 3990	Beef Internship Experience	3