

FACILITIES

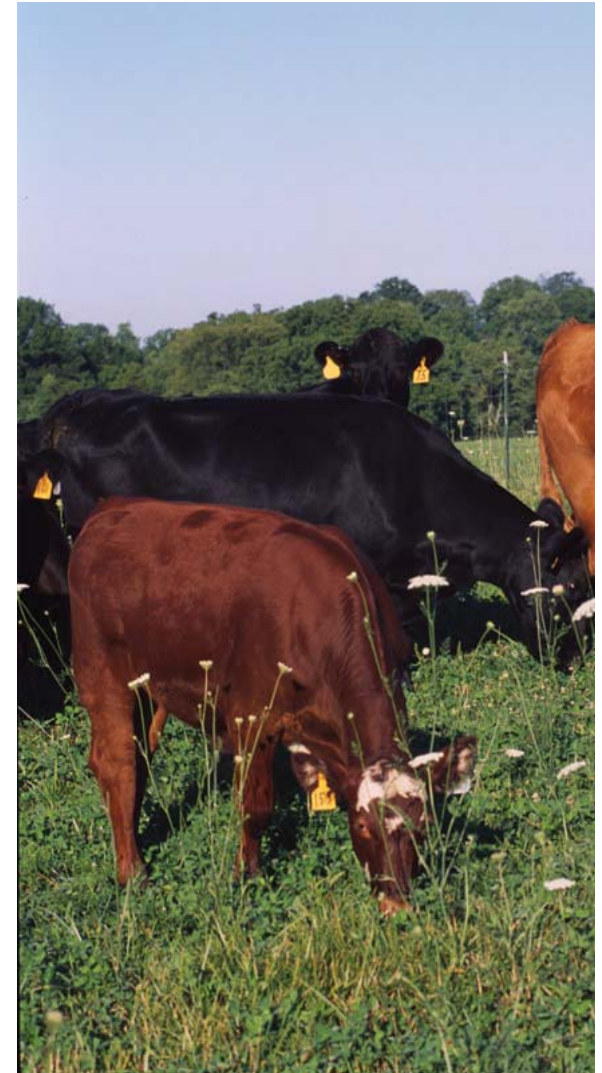
State-of-the-Art Laboratories, Pilot Plants,
and Research Units:

- Beef Cattle Research Center
- Beef Stocker Unit
- Cow/Calf Unit
- Feedmill
- Artificial Breeding Service Unit
- Meat Processing Laboratory
- Pre-Harvest Food Safety Laboratory
- Purebred Beef Teaching Unit
- Ruminant Nutrition Laboratory
- Multi-Purpose Indoor Arena
- Beef Production Medicine
- Veterinary Medical Teaching Hospital
- Veterinary Diagnostic Laboratory



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BEEF CATTLE RANCH MANAGEMENT CERTIFICATE



KANSAS STATE UNIVERSITY

ABOUT THE PROGRAM

Many departments and colleges within Kansas State University have outstanding individual programs that support beef producers. However, undergraduate degree programs are not specific to ranch management.

The Certificate Program incorporates courses from several departments to create a multidisciplinary learning experience focused on the practical application of scientific knowledge to beef cattle production, health, and management issues.

In addition, students in the CS 611 Cow/Calf Health Systems Course will be required to earn Beef Quality Assurance (BQA) certification as a part of the National Cattleman's Beef Association implementation plan for adopting BQA principles to proactively address quality and safety issues in beef operations.

APPLICATION PROCESS

It is likely that students may choose to complete the Certificate Program concurrent with the pursuit of a degree in any of the eight colleges at K-State. All students must be formally admitted to K-State in order to participate in the program. To earn the certificate, students must have a cumulative GPA of 2.0 in the 23 required hours. Course(s) from junior colleges and/or technical school programs will not be applied toward the certificate unless the course(s) are equivalent to a Kansas State University course.

For more information on the application process, please contact Mishelle Hay in 134 Weber Hall (mhay@ksu.edu; 785-532-1262).

PREREQUISITE COURSES

Prerequisite hours are not considered in the 23 hours needed for certificate completion. Students are expected to complete all the prerequisite courses listed below.

- ✓ CHM 110/111 Gen Chemistry & Lab
- ✓ ASI 102/105 Principles Animal Sci & Lab
- ✓ ASI 515 Beef Science
- ✓ ASI 318 Fundamentals of Nutrition
- ✓ ASI 320 Principles of Feeding
- ✓ AGECE 120 Ag Econ & Agribusiness
- ✓ MATH 100 College Algebra
- ✓ BIOL 198 Principles of Biology
- ✓ ASI 500 Genetics

CORE COURSES

(Minimum of 19 Credit Hours)

AGECE 308 or AGECE 318 Farm and Ranch Management/ Food and Agribusiness Management	3
AGRON 501 or AGRON 550 Range Management/Forage Management	3
ASI 400 Farm Animal Reproduction	3
ASI 510 Animal Breeding Principles	3
ASI 620 Livestock Production Management	2

CORE COURSES, Con't

ASI 680 Ruminant Nutrition	1
ASI 683 Grazing Livestock Nutrition	1
CS 611 Cow/Calf Health Systems	2

ELECTIVE COURSES

(4 Credit Hours)

ASI 402 Calving	1
ASI 512 Bovine Reproductive Technologies	2
ASI 534 Intro to Pharmacology of Farm Animals	2
ASI 650 ID and Data Management Food Animals	2
ASI 661 Problems/Artificial Insemination	1

