

# Beef Cattle Feedlot Management Certificate

The certificate program will require the completion of a minimum of 21 credit hours of defined beef cattle feedlot nutrition, business and animal care courses. The courses will provide practical application of scientific knowledge to feedlot health and management issues. Students may choose to complete the Certification Program concurrent with the pursuit of a degree in any of the eight colleges at Kansas State.

## Core Courses (12 Credit hours)

- AGEC 420- Commodity Futures **Credits: 3**
- ASI 315- Livestock and Meat Evaluation **Credits: 3**
- ASI 620- Beef Systems Management **Credits: 2**
- ASI 680- Ruminant Nutrition **Credits: 1**
- ASI 684- Nutrition of Feedlot Cattle **Credits: 1**
- DMP 610- Feedlot Health Systems **Credits: 2**  
BQA Certification required to complete course

## Electives (minimum of 9 credit hours)

- ASI 595- Contemporary Issues in Animal Science and Agriculture **Credits: 3**
- ASI 650- Identification and Data Management of Food Animals **Credits: 2**
- ASI 655- Behavior of Domestic Animals **Credits: 3**
- ASI 662- Special Topics in Animal Science (must be beef cattle-related) **Credits: 0-6**
- ASI 682- Formulation of Livestock and Poultry Diets **Credits: 1**
- GRSC 510- Feed Technology I **Credits: 3**
- MANGT 420- Management Concepts **Credits: 3**

## Maximum 6 credit hours from following experiential learning courses (must be beef cattle related)

- ASI 561- Undergraduate Research in Animal Sciences and Industry **Credits: 0-3**
- ASI 599- Animal Science Internship **Credits: 1-6**
- ASI 660- International Study Experience in Animal Science **Credits: 0-6**
- ASI 661- Animal Sciences and Industry Problems **Credit: (variable)**

## Required Prerequisite Courses

Students are expected to meet all prerequisites for the courses listed or have consent of the instructor. Prerequisite courses other than the courses listed do not count toward the total hours for the certificate program.

- ASI 102- Principles of Animal Science **Credits: 3**
- ASI 105- Animal Sciences and Industry **Credits: 1**
- ASI 318- Fundamental of Nutrition **Credits: 3**
- ASI 320- Principles of Feeding **Credits: 3**
- ASI 515- Beef Science **Credits: 3**
- BIOL 198- Principles of Biology **Credits: 4**
- CHM 110- General Chemistry **Credits 3**  
and
- CHM 111- General Chemistry Lab **Credits: 1**

## Notes

To receive the certificate students must have a cumulative GPA of 2.0 in the 21 required credit hours.

Course(s) from junior college and/or technical school programs will not be applied toward the certificate unless the course(s) are equivalent to a K-State course(s).