

Beef Cattle: Ranch Management Undergraduate Certificate

Location(s): Manhattan Campus

The certificate program will require the completion of a minimum of 18 credit hours relevant to the beef cattle ranching industry.

Courses in this certificate may require prerequisites.

Required Courses: 16-17 credit hours

In addition to the courses listed below, students may apply up to 3 credits of experiential learning courses (ASI 561, 599, and 660) to the certificate. The courses must be beef cattle ranch management related.

Select one combination of 4 credit hours:

ASI 500 - Genetics Credits: 3 **AND** ASI 501 - Principles of Animal Breeding Credits: 1

OR

ASI 511 - Applied Animal Breeding and Genetics Credits: 4

Select one course:

AGRON 251 - Range Management Credits: 3

AGRON 462 - Range Grasses Credits: 2

AGRON 550 - Forage Management and Utilization Credits: 3

Select one course:

AGEC 308 - Farm and Ranch Management Credits: 3

OR

AGEC 318 - Food and Agribusiness Management Credits: 3

ASI 515 - Beef Science Credits: 3

ASI 680 - Ruminant Nutrition Credits: 1

ASI 683 - Grazing Livestock Nutrition Credits: 1

DMP 611 - Cow-Calf Health Systems Credits: 2

Elective Courses: 1-2 credit hours

ASI 402 - Calving Credits: 1

ASI 512 - Bovine Reproductive Technologies Credits: 2

ASI 620 - Beef Systems Management Credits: 2

ASI 650 - Identification and Data Management of Food Animals Credits: 2

ASI 662 - Special Topics in Animal Science Credits: 0-6 (must be beef-cattle related)

Total Hours Required: 18