

# HIGH LATITUDE RANGE MANAGEMENT

College of Rural and Community Development  
 Northwest Campus  
 907-443-2201  
[www.nwc.uaf.edu](http://www.nwc.uaf.edu)

## Certificate

Minimum Requirements for Certificate: 31 credits

A HLRM program certificate represents the completion of at least 31 credits in the conventional field-based techniques to inventory and monitor northern animal and plant populations combining traditional knowledge with contemporary studies necessary for entry-level natural resource jobs statewide. The certificate also emphasizes place-based domesticated ungulate husbandry and health, applicable regionally and statewide. This certificate may also serve as a bridge to a variety of natural science associate and baccalaureate programs

Admission is open to all individuals, especially those employed by or interested in employment with state, federal or tribal agencies or other local entities in rural Alaska which provide natural resources management services.

Students should have a high school diploma or GED and an interest in science-related fields. It is strongly recommended that students seeking admission to this program have completed two high school, lab-based science courses preferably in biology, chemistry or physics.

Students whose ACT/SAT scores are not high enough to place them into regular college level classes will be required to take the ASSET or COMPASS test and will be placed into the appropriate developmental level course.

## Certificate Program

1. Complete the general university requirements (page 93).
2. Complete the certificate requirements (page 95)\*.
3. Complete the following requirements:
  - a. Complete the following communication course:  
ENGL F111X—Introduction to Academic Writing .....3
  - b. Complete one of the following computation courses:  
MATH F103X—Concepts and Contemporary Applications of Mathematics (3)  
or ABUS F155—Business Math (3) .....3
  - c. Complete one of the following human relations courses:  
ANTH/SOC F100X—Individual, Society, and Culture (3)  
or ABUS F154—Human Relations (3) .....3
4. Complete the following program (major) requirements:\*
 

NRM F101—Natural Resources Conservation and Policy	3
BIOL F104X—Natural History of Alaska (4) or BIOL F104—Natural History of Alaska (3) and BIOL F104L—Natural History of Alaska Laboratory (1)	4
HLRM F120—History of Domesticated Alaskan Ungulates	1
HLRM F130—Research Field Logistics	2
HLRM F140—High Latitude Range Management	2
HLRM F150—Alaskan Ungulate Husbandry	2
HLRM F160—Meat Production	2
HLRM F170—Health Issues in Domestic Herds	2
HLRM F201—Field Techniques for Range Management	2
HLRM F205—Research Methods in Range Management	2
5. Minimum credits required .....31

\* Students must earn a C grade (2.0) or better in each course.

All degrees (e.g. Certificate, A.A., A.A.S., A.S., etc) require additional courses. Refer to specific degree and program requirements.

## Certificate Requirements

### COMMUNICATION (2-3)

Complete one of the following:

ENGL F111X.....	(3)	_____
ABUS F170.....	(3)	_____
ABUS F271.....	(3)	_____
ENGL F211X.....	(3)	_____
ENGL F212.....	(3)	_____
ENGL F213X.....	(3)	_____
COMM F131X.....	(3)	_____
COMM F141X.....	(3)	_____
DEVS F104.....	(1 – 3)	_____
DEVS F105.....	(3)	_____

*Other program-approved discipline-based communication course or discipline-based courses with embedded communication content. (2 – 3)*

\* ENGL F212 does not fulfill the second half of the written communication requirement for the bachelor's degree.

### COMPUTATION (2-3)

Complete one of the following:

Any course at the F100-level or above in mathematical sciences (computer science, math or statistics).

.....	(3)	_____
ABUS F155.....	(3)	_____
DEVM F105.....	(3)	_____
ECE F117.....	(3)	_____
HLTH F116.....	(3)	_____
HUMS F117.....	(3)	_____
PRT F155.....	(3)	_____
TTCH F131.....	(3)	_____

*Other program-approved discipline-based computation course or discipline-based courses with embedded computation content. (2 – 3)*

### HUMAN RELATIONS (2-3)

Complete one of the following:

ANTH F100X/SOC F100X.....	(3)	_____
ABUS F154.....	(3)	_____
ANL F287.....	(3)	_____
ECE F245.....	(3)	_____
ED/PSY F245.....	(3)	_____
HLTH F106.....	(3)	_____
HUMS F120.....	(3)	_____
RHS F110.....	(1)	_____
AND RHS F115.....	(2)	_____

*Other program-approved discipline-based human relations course or discipline-based courses with embedded human relations content. (2 – 3)*

**MAJOR SPECIALTY CREDITS (minimum)..... 21**

**Minimum credits for required certificate..... 30**

## Associate of Applied Science Requirements

### COMMUNICATION (9)

ENGL F111X.....	(3)	_____
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Complete one of the following:

ABUS F271.....	(3)	_____
ENGL F211X.....	(3)	_____
ENGL F212.....	(3)	_____
ENGL F213X.....	(3)	_____

\* ENGL F212 does not fulfill the second half of the written communication requirement for the bachelor's degree.

Complete one of the following:

COMM F131X.....	(3)	_____
COMM F141X.....	(3)	_____

### COMPUTATION (3)

Complete one of the following:

Any course at the F100-level or above in mathematical sciences (computer science, math or statistics).

.....	(3)	_____
ABUS F155.....	(3)	_____
DEVM F105.....	(3)	_____
ECE F117.....	(3)	_____
HLTH F116.....	(3)	_____
HUMS F117.....	(3)	_____
PRT F155.....	(3)	_____
TTCH F131.....	(3)	_____

*Other program-approved discipline-based computation course or discipline-based courses with embedded computation content. (3)*

### HUMAN RELATIONS (2-3)

Complete one of the following:

ANTH F100X/SOC F100X.....	(3)	_____
ABUS F154.....	(3)	_____
ANL F287.....	(3)	_____
ECE F245.....	(3)	_____
ED/PSY F245.....	(3)	_____
HLTH F106.....	(3)	_____
HUMS F120.....	(3)	_____
RHS F110.....	(1)	_____
AND RHS F115.....	(2)	_____

*Other program-approved discipline-based human relations course or discipline-based courses with embedded human relations content. (3)*

**MAJOR SPECIALTY CREDITS (minimum)..... 30**

**Minimum credits required for degree..... 60**



**UNIVERSITY OF ALASKA FAIRBANKS**

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