ENVIRONMENTAL STUDIES

College of Rural and Community Development Bristol Bay Campus 907-842-5109 www.uaf.edu/bbc/

Certificate

Minimum Requirements for Certificate: 34 - 39 credits

This program addresses many of the environmental issues influencing Alaska communities and provides basic academic preparation for entry-level vocational environmental careers. The program serves as a stepping-stone into science-related associate or baccalaureate programs.

This program may be especially of interest to individuals employed by, and/or interested in employment with state, federal or tribal agencies or other groups providing natural resource management services. It is recommended that students have completed a high school lab-based science, biology or chemistry course as well as algebra due to the science focus of this program.

Certificate Program

- 1. Complete the general university requirements (page 95).
- 2. Complete the certificate requirements (page 97).*
- 3. Complete the following:
- a. Complete one of the following communication courses:
 ENGL F111X—Introduction to Academic Writing (3)
 or ABUS F170—Business English (3)3

4.	Complete the following program requirements:*	
a.	Complete two science foundation courses: BIOL F103X—Biology and Society (4) or BIOL F104X—Natural History of Alaska (4) or BIOL F115X—Fundamentals of Biology I (4)	
b.	Complete the following:	
	ENVI F101—Introduction to Environmental Science	.3
	ENVI F110—Introduction to Water Quality I: Measurement ENVI F130—Introduction to the National	
	Environmental Policy Act	. 1
	ENVI F160—Internship in Environmental Studies 1 -	
	ENVI F260—Field Techniques for Environmental Technicians	
	ENVI F265—Introduction to Methods in	
	Environmental Studies	.2
	GEOG F111X—Earth and Environment:	
	Elements of Physical Geography	.4
5.	Complete 3 – 4 credits from the following electives:	
	BIOL F104X—Natural History of Alaska	
	BIOL F115X—Fundamentals of Biology I	
	CHEM F104X—Beginnings in Biochemistry	
	CHEM F105X—General Chemistry I	
	DEVS F100—Introduction to Science	
	FISH F101—Introduction to Fisheries	
	HLRM F130—Research Field Logistics	
	RD F250—Grant Writing for Community Development 1 –	
	STAT F200X—Elementary Probability and Statistics**	2
	Advisor-approved elective***	
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6.	Minimum credits required	39
*	Students must earn a C- grade or better in each course.	
***	Cannot be used for elective credit if used as computational credit. Similar level and subject matter.	
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Certificate Requirements

Communication		
Complete one of the following: • ENGL F111X—Introduction to Academic Writing		
Computation2 – 3 Credits		
Complete one of the following: • Any course at the F100-level or above in mathematical sciences (computer science, math or statistics)		
Human Relations2 – 3 Credits		
Complete one of the following: • ANTH F100X/SOC F100X—Individual, Society and Culture(s)		
Electives to total		

Associate of Applied Science Requirements

• •	ritten Communication
•	ENGL F111X—Introduction to Academic Writing(3)
•	omplete one of the following: ABUS F271—Business Communications
O	ral Communication
•	omplete one of the following: COMM F131X—Fundamentals of Oral Communication: Group Context(3) COMM F141X—Fundamentals of Oral Communication: Public Context(3) or successful completion of competency test
C	omputation3 Credits
•	Implete one of the following: Any course at the F100-level or above in mathematical sciences (computer science, math or statistics)
H	uman Relations
•	omplete one of the following: ANTH F100X/SOC F100X—Individual, Society and Culture (s)
	ajor specialty at least
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