Environmental Studies

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

Certificate

Minimum Requirements for Certificate: 34 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 92).

2. Complete the certificate requirements (page 94).*

3. Complete the following requirements:
   a. Complete one of the following communication courses:
   ENGL F111X—Introduction to Academic Writing (3)
   or ABUS F170—Business English (3)......................................3
   b. Complete the following computation course:
   DEVM F105—Intermediate Algebra (3)
   or MATH/CS/STAT at the 100 level or higher...........................3
   c. Complete one of the following human relations courses:
   ANTH F100X/SOC F100X—Individual, Society and Culture (3)
   or ABUS F154—Human Relations (3)
   or other program-approved discipline-based human relations
   course...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) 4
   CHEM F103X—Basic General Chemistry (4)
   or CHEM F105X—General Chemistry I (4) 4
   b. Complete the following:
   ENVI F101—Introduction to Environmental Science...............3
   ENVI F110—Introduction to Water Quality I: Measurement...1
   ENVI F130—Intro to the National Environmental Policy Act..1
   ENVI F160—Internship in Environmental Studies.............1 – 2
   ENVI F260—Field Techniques for Environmental
   Technicians 2
   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 4
   BIOL F115X—Fundamentals of Biology I.................................4
   CHEM F104X—Beginnings in Biochemistry.............................4
   CHEM F105X—General Chemistry I..4
   DEVS F100—Introduction to Science 4
   FISH F101—Introduction to Fisheries 3
   HLRM F130—Research Field Logistics 2
   NRM F101—Natural Resources Conservation and Policy 3
   RD F250—Grant Writing for Community Development....1 – 3
   STAT F200X—Elementary Probability and Statistics** 3
   Advisor approved elective*** ....1 – 3

6. Minimum credits required ....34 – 39
   *   *Student 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.*

UNIVERSITY OF ALASKA FAIRBANKS

Office of Admissions and the Registrar • P.O. Box 757480 • Fairbanks, AK 99775-7480 • admissions@uaf.edu • www.uaf.edu

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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) _____

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