A Natural Laboratory Perfect for Study
The UAS Bachelor of Science in Environmental Science degree program draws from a variety of disciplines: the earth sciences, chemistry, physics, biology, math, and spatial analysis.

Hands-on Experiences
Students combine rigorous classroom study with the opportunity to conduct field and laboratory research about the earth’s fundamental natural processes and their relation to human activities. The university is located in close proximity to the Juneau Icefield and students have easy access to glaciers, rainforest, wetlands, and numerous rivers and streams.

Opportunities at the Undergraduate Level
A particular emphasis is undergraduate research. Recent projects involve developing an operational snowpack stability and avalanche forecasting model, studying glacial advance in the Taku system, examining the effects of isostatic uplift and glacial retreat on forest ecology, and testing migration theories regarding pine cone and seed dispersal via ocean currents. Students regularly present their results at regional and national scientific meetings.

Additional UAS Opportunities
BS in Geography and Environmental Resources
BA in Geography and Environmental Studies

www.uas.alaska.edu
BS | BACHELOR OF SCIENCE

Environmental Science

SAMPLE DEGREE PLAN | 4 years, 120 credits

Fall 1 15 credits
- BIOL 105 Fundamentals of Biology 4
- ENVS 102 Earth and Environment 4
- MATH 151 College Algebra for Calculus 4
- ENG 111 Written Communication 3

Spring 1 16 credits
- GEOL 104 Physical Geology 4
- ENGL 211/212 Composition/Technical Writing 3
- MATH 152 Trigonometry 3
- Humanities/Social Science GER 3
- Fine Art GER 3

Fall 2 15 credits
- CHEM 105 General Chemistry I 4
- BIOL 271 Ecology 4
- MATH 251 Calculus 4
- Oral Communication GER 3

Spring 2 15 credits
- CHEM 106 General Chemistry II 4
- STAT 273 Elementary Statistics 3
- Humanities/Social Science GER 6
- Electives 2

Fall 3 15 credits
- PHYS 103/211 Physics I 4
- GEOL 302 Hydrology 4
- Quantitative/Spatial Analysis Course 4
- Forests and Ecosystems course 3

Spring 3 14 credits
- PHYS 104/212 Physics II 4
- Forests and Ecosystems course 3
- Earth Systems and Climate Change course 3
- Electives 4

Fall 4 15 credits
- ENVS 422 Earth’s Climate System 3
- ENVS 492 Environmental Science Seminar 3
- ENVS 375 Current Topics 3
- Earth Systems/Climate Change course 3
- Environmental Science Internship/Research 1-6
- Electives 3

Spring 4 15 credits
- Forests and Ecosystems course 3
- Quantitative/Spatial Analysis course 4
- Environmental Science Internship/Research 1-6
- Electives 3-6

SAMPLE COURSES
- Forests and Ecosystems
- Environmental Chemistry
- Remote Sensing
- Biogeochmistry
- Biogeochemistry and Landscape Ecology
- Forest Ecosystems
- Forest Field Ecology Lab
- Sustainable Resource Management
- Earth Systems/Climate Change
- Natural Hazards
- Glaciology
- Remote Sensing
- Snow Hydrology
- Juneau Icefield Research
- Interdisciplinary Perspectives on Climate Change
- Geomorphology
- Geological Resources and the Environment
- Quantitative/Spatial Analysis
- Experimental Design and Data Analysis
- Introduction to GPS
- Mobile GIS Technology
- Introduction to GIS
- Advanced GIS
- Calculus
- Statistical Computing with R
- Regression and Analysis of Variance

DEGREE REQUIREMENTS: uas.alaska.edu/academics/alpha.html

Candidates must complete 34 credits of general education requirements (GERs) as well as program requirements. This is a suggested course sequence and does not take the place of program requirements listed in the UAS Academic Catalog. Students must work with an academic advisor to plan their course sequence.

Apply Now!

uas.alaska.edu/apply

Program Application Deadlines:
- Fall Semester: August 1
- Spring Semester: December 15
- Summer Semester: May 1

Scholarship Deadline: February 15

University of Alaska Southeast Admissions Office
11120 Glacier Highway, Juneau, AK 99801
Tel: (907) 796-6100 | Toll Free: 1-877-465-4827
admissions@uas.alaska.edu