



Photo credit: Lauren Wild, UAF Ph.D. student with her undergraduate Annie Masterman, Sitka, Alaska, Spring 2019.

## Requirements for the Degree

- ❖ Complete UAF's General University Requirements
- ❖ Complete UAF's Master's Degree Requirements

*Check our website for full course descriptions.*

## Examples of One Health Research

- ❖ Emerging Zoonotic Disease Threats
- ❖ Food Safety Security and Sovereignty
- ❖ Mental/Behavioral Health and Well-Being
- ❖ Safety and Security of Air, Water, & Built Infrastructure
- ❖ Contaminant Monitoring/ Antimicrobial Resistance
- ❖ One Health in Policy and Data Management



## Two One Health Concentrations

This masters degree features biomedical and community advocacy concentrations.

The *Biomedical Concentration* is designed for students who want to enter professional health care programs (veterinary, medical, behavioral health) and want to deepen their understanding of One Health and incorporate the paradigm and problem-solving skills into their future medical careers. For those seeking admittance into a health educational program, this degree provides an opportunity to strengthen their application by demonstrating proficiency in graduate level biomedical courses.

The *Community Advocacy Concentration* was developed for students who are already engaged or interested in working with communities to help them better understand and address One Health issues. Students will learn how to interview community members regarding their concerns with One Health issues and then gather information across disciplines and cultures and translate that information to a format that is readily understood by community members. Students in both concentrations will work together starting at the community level and building outward to develop management solutions that address pressing One Health issues.

## Contact Us

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# Center for One Health Research

## Masters Program University of Alaska Fairbanks



*One Health concepts and ideas lie at the core of Indigenous worldviews and are inextricably linked to the development of a sustainable future.*

[www.uaf.edu/onehealth/](http://www.uaf.edu/onehealth/)  
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### What is One Health?

One Health is the interdependence of human, animal and environmental health that involves a holistic approach to the well-being of all, which will lead to improved health outcomes and enhanced resilience.

### Mission Statement

The One Health Master's Degree educates students to use a constructionist approach to address issues that are at the intersection of human, animal, and environmental health. Graduates of the program will be able to engage key stakeholders to develop and implement realistic management plans that can be implemented in communities across the Circumpolar North and beyond.



### OH Masters Description

Many, perhaps most, of the challenges that residents of the Circumpolar North will face in the future are in the realm of One Health - the intersection and interdependence of human, animal, and environmental health. Creating solutions to these challenges will require those who are knowledgeable about One Health concepts, can communicate effectively across cultures and educational backgrounds, can bring together stakeholders and disciplinary experts, and can utilize a variety of problem-solving skills that lead to effective mitigation plans emphasizing adaptation and resilience. The Masters in One Health at UAF provides training and, most importantly, practice in those specific areas. It is a unique interdisciplinary degree that requires an understanding and integration of science, culture, history, communication, and more.

### One Health Master's Requirements (19 credits)

- \*One Health Concepts
- \*One Health Challenges (new course)
- \*One Health Colloquium (new course)
- \*Perspectives on the North
- \*Preventative Veterinary Medicine

Select one from the following:

- \*Persuasion
- \*Cross-cultural Conflict Analysis and Intervention
- \*Communication and Diversity in the Professional World

### One Health Community Advocacy Concentration (12 credits)

Select 12 credits from the following:

- \*Northern Indigenous Peoples and Contemporary Issues
- \*International Relations of the North
- \*Political Economy of the Global Environment
- \*20th-century Circumpolar History
- \*Environmental Economics
- \*Community Healing and Wellness
- \*Political Economy of the Circumpolar North

-Other courses may be substituted with approval of OHM faculty

### One Health Biomedical Concentration (11-12 credits)

Select 11-12 credits from the following:

- \*Immunology
- \*Veterinary Bacteriology and Mycology
- \*Veterinary Virology
- \*Environmental Toxicology
- \*Introduction to Biology of Cancer
- \*Environmental Economics
- \*One Health: Arctic Zoonosis

-Other courses may be substituted with approval of OHM faculty

