



PROGRAM OVERVIEW

MASTER OF SCIENCE IN ONE HEALTH

DEGREE PROGRAM:	<i>Master of Science (MSc) in One Health</i>
START DATE:	<i>January</i>
DURATION:	<i>1 year full-time, 2-3 years part-time</i>
DELIVERY:	<i>Online with 1-week on-island residential Full-time and part-time options available</i>



postgrad@rossvet.edu.kn



veterinary.rossu.edu/OneHealth

PROGRAM DESCRIPTION

One World, One Health, One Ross: Ross University School of Veterinary Medicine (Ross) is committed to offering veterinarians, animal scientists, medical doctors, and biomedical and environmental scientists the opportunity to gain an in-depth understanding of One Health and Ross' transdisciplinary approach to assessing and sustainably reducing the burden of zoonoses and other diseases affecting livestock production and health—empowering them with greater potential to have a positive impact on the economic growth, health and food security and alleviation of poverty in tropical and resource constrained countries.

Ross' online MSc One Health degree program:

- Is **well suited for professionals** working in public health, veterinary medicine and environmental health, as well as biomedical scientists and researchers
- Features **100% online course delivery** with a 1-week residency
- Provides **flexible learning options**: Study 1-year full time or 2-3 years part time
- Helps equip students with the **knowledge, research skills and research experience** in topics relevant to the broad field of One Health and for careers in a broad range of environments
- Emphasizes an **integrative, interdisciplinary approach** to relating the interconnectedness of human, animal, and environmental health
- Provides students the **opportunity to focus on an area of interest**, such as food safety, vector borne diseases, zoonotic infections or conservation medicine.
- Features an **integrative curriculum** characterized by a set of core courses augmented through personalized elective course options and interactive exposure to **diverse perspectives across disciplines**
- Offers access to Ross' **four research centers and global partners**, and its **unique location** in the Caribbean featuring exotic marine and wildlife

Ross' flexible program of study has particular strengths in:

- *Tropical animal health and diseases*
- *The intersection of animal health, human health and environmental health*
- *Epidemiology*
- *Conservation medicine*
- *Food safety*
- *Animal health program management*
- *Animal disease investigation*
- *Research and diagnostic methods*
- *The interface between domestic animals and wildlife*
- *Delivery of veterinary services*

The MSc in One Health degree program culminates in a required research project and thesis.

ENTRY REQUIREMENTS

The minimum entry requirement for this degree program is a professional veterinary or medical qualification, or a bachelor's degree or international equivalent in biological, biomedical, environmental or ecological sciences.

Due to the intensive nature of this degree program, a high-level of English proficiency is required and applicants whose native language is not English will be asked to provide evidence of proficiency through test scores and/or education/professional experience in the medium of English.

COURSEWORK

The MSc One Health degree program requires 41 credits (Ross credits are based on guidelines from the United States Department of Education), obtained through coursework and a project, leading to the submission of a thesis. Students are required to undertake specified core courses amounting to 23 credits. The MSc One Health degree program is delivered over one year on a full-time basis (3 Ross semesters) or up to three years part-time.

DELIVERY

The program of study is characterized by a well-designed set of core courses and a flexible choice of elective courses to meet the demands of the field and the goals of the students. The courses will be instructed by distance learning, via our virtual learning environment. You will be taught by our faculty and specialist modules may be delivered by our partner institutions.

The research project may be carried out in St. Kitts and Nevis or in other locations, as appropriate, under the supervision of a Ross faculty member. The research component may be desk-based, lab-based or through fieldwork and will result in the submission of a thesis. A short residential component will allow the student cohort to share their perspective and thesis work with the Ross research community.

ASSESSMENT

Assessment will be conducted through traditional and novel methods suited to an online delivery mode and will include, for example, essays, critical review of peer-reviewed articles, online tests and quizzes, blog writing, research proposal writing, research/fieldwork journal development, group discussions, group project work and social media interactions.

Final assessment will be conducted on the research thesis. It should comprise either a satisfactory record of research undertaken by the candidate, or a satisfactory critical survey of knowledge in the field of study, or both, combined with a satisfactory plan for a more advanced research project; and show competence in the appropriate method of research and an adequate knowledge of the field of study. The work must be satisfactory in its literary presentation and include adequate references.

LEARNING OUTCOMES

On completion of the degree program the student will have significant exposure to research skills and research experience in topics relevant to the broad field of One Health. The program provides graduates the background and experience to assess, investigate and manage zoonotic disease risks, to design and execute targeted research in One Health, and to manage veterinary intervention in the control or prevention of zoonotic disease. Within the program the students will have had the opportunity to focus on an area of interest, such as disease control, vector-borne diseases, zoonotic infections or conservation medicine.

COURSES

CORE COURSES

Applied epidemiology and biostatistics
[5 CR.]

*Public policy formulation & implementation**
[3 CR.]

*Leadership and organizational behavior**
[3 CR.]

Research project design
[1 CR.]

Conservation medicine/ecosystem health
[5 CR.]

Zoonoses (intersection between human and animal health)
[3 CR.]

Surveillance and diagnostic methods
[3 CR.]

ELECTIVES

Animal health program management
[2 CR.]

Safety of foods of animal origin
[2 CR.]

Disaster management
[2 CR.]

(choose 1 out of 3; dependent on availability)

RESEARCH PROJECT AND RESIDENTIAL

1-week residential in St. Kitts
[1 CR.]

Research project and thesis
[15 CR.]

*Delivered by Keller Graduate School of Management



Visit:
veterinary.rossu.edu/postgraduate
for all requirements, tuition information, and how to apply.