2021–2022



ACADEMIC CATALOG

ROSS UNIVERSITY
SCHOOL OF VETERINARY MEDICINE

FOLLOW YOUR DREAMS

CAMPUS ADDRESS:

West Farm-Main Street
PO Box 334, Basseterre
St. Kitts, West Indies
Phone: +1-869-465-4161
veterinary.rossu.edu

OFFICE OF STUDENT FINANCE:

3005 Highland Parkway, 4th Floor
Downers Grove, IL 60515
Phone: +1-732-509-3051
finaid@rossu.edu

COMPLETE APPLICATION ONLINE:

http://veterinary.rossu.edu/landing/application.html

SEND SUPPORTING DOCUMENTATION TO:

Ross University School of Veterinary Medicine
Office of Admissions
630 US Highway 1
North Brunswick, NJ 08902
Phone: +1-855-ROSS-VET
Fax: +1-732-509-4803
Email: vetadmissions@rossu.edu

DISCLAIMER:

All information in this catalog, including statements regarding tuition and fees, curriculum, course offerings, admissions and graduation requirements, is subject to change at any time and is applicable to all enrolled students unless otherwise stated.

For the most up-to-date version of this catalog, visit veterinary.rossu.edu.

Date of Issue: September 2021

Ross University School of Veterinary Medicine (RUSVM) provides an environment free of unlawful harassment or discrimination based upon race, creed, color, religion, national origin, sex, age, disability, marital status and sexual orientation, gender identity or expression, citizenship status, other category protected by applicable law. RUSVM complies with all applicable laws regarding discrimination, harassment, retaliation and equal opportunity in administration of its educational programs and other RUSVM-administered policies, or employment policies.

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RUVSM AT A GLANCE

YEAR FOUNDED: 1982

LOCATIONS:

St. Kitts: Main campus; Pre-clinical Doctor in Veterinary Medicine (DVM) program and graduate programs

AFFILIATED SCHOOLS:

DVM clinical training occurs at one of the 29 RUSVM affiliated American Veterinary Medical Association (AVMA)-accredited schools of veterinary medicine in the United States, Canada, UK, New Zealand, and Ireland.

FACILITIES:

Pre-clinical DVM training and graduate programs are conducted at RUSVM's main campus in St. Kitts. Built on a multi-level site, the 50-acre campus features high-tech classrooms, highly developed small and large animal surgery suites, and a hands-on gross anatomy lab equipped with progressive multimedia technology, closed-circuit cameras, and display monitors.

CAMPUS FACILITIES INCLUDE:

- Large Animal Teaching Facility
- Two Surgery Teaching Laboratories
- Large Animal Hospital with recovery stalls
- Large Animal Diagnostics/ Techniques Room
- Student study spaces, conference rooms, offices
- Extensive large animal paddock and kennels, with more than 350 animals
- Approximately 20-acres of pasture land
- Two large classrooms, seating approximately 180 students each
- Two auditoriums, seating approximately 150 students each
- Diagnostic Imaging and Pathology labs
- Clinical Skills Laboratory
- Multi-disciplinary Laboratory
- Interactive small group study rooms
- Necropsy facility
- Museum of Anatomical Specimens
- Veterinary Clinic
- Learning Resource Center with Library, Exam Center and 24-hour Reading Room
- Research Laboratory
- Simulated Veterinary Examination Rooms, reception areas with technology and video equipment for communication and problem-based learning capabilities

FACULTY MEMBERS:

Approximately 70-member faculty; the majority hold Doctor of Veterinary Medicine (DVM) and/or PhD credentials and many are board-certified in one or more clinical specialties.

RUVSM AT A GLANCE (continued)

DEGREE PROGRAMS:

DOCTOR OF VETERINARY MEDICINE:

Pre-clinical Curriculum: Seven semesters (28 months) on the St. Kitts campus, emphasizing practical, hands-on experience that includes exposure to clinical patients and surgery.

Clinical Training Curriculum: Three academic semesters (45 weeks) in the U.S., Canada or international location at an accredited veterinary school affiliated with RUSVM.

Licensing: RUSVM graduates are eligible to practice in all 50 US states, Canada and Puerto Rico upon successful completion of the North American Veterinary Licensing Examination® (NAVLE).

Enrollment: More than 1,550 students; over 95% are from the US or Canada.

Graduates: Nearly 6,000 alumni.

Waitlist: Established when the number of students accepted into the DVM program exceeds the number of students who can be adequately accommodated in a class. Waitlisted students are automatically accepted for the following semester. There is no need to reapply.

Financial Aid: Accepted and current students enrolled in the DVM program may be eligible for financial assistance programs available through the U.S./Canadian government and private loan programs. RUSVM graduate programs are not eligible for U.S. federal loans or financial aid.

Housing: First semester DVM students and those in the Veterinary Preparatory (Vet Prep) program have the option to live in on-campus housing. A wide range of housing options are available for all other students within a short distance of the campus.

GRADUATE STUDIES:

Certificate in One Health: The Certificate in One Health is a 15-credit, course-based program offered exclusively online. Students are able to undertake this program on a part-time basis for a period of up to three years.

Master of Science (MSc) by Coursework in One Health: Requires 42 credits, obtained through coursework and a project, leading to the submission of a thesis over a period of two years part-time (6 semesters) or three years part-time (9 semesters).

Master of Science (MSc) by Research: The Master of Science by Research degree program is based on supervised research over a period of one year full-time (3 semesters) or a maximum of 24 months part-time (6 semesters).

Doctoral (PhD) by Research: The Doctoral by Research degree is based on supervised research over a period of three years full-time (9 semesters) or a maximum of 72 months part time (18 semesters).

Learn More: Visit our website, www.veterinary.rossu.edu, to obtain more information, apply online or learn about the next Information Seminar near you.

DVM Program: vetadmissions@rossu.edu or call +1-855-ROSS-VET (855-767-7838)

Graduate Degree Programs: postgrad@rossvet.edu.kn

MESSAGE FROM THE DEAN

Welcome!

It's not a coincidence that your passion for health has led you to Ross University School of Veterinary Medicine (RUSVM). We are excited to work with you to cultivate that passion into a successful career.

By becoming a Rossie, you have embarked on a unique journey. Whether that journey goes through our accelerated, AVMA-accredited DVM program, Certificate in One Health, Master of Science (MSc) by Coursework in One Health, Master of Science (MSc) by Research, or Doctoral (Ph.D.) by Research programs, by the time you reach your destination you will be prepared to address the most pressing challenges in human and animal medicine and their links to the environment.

Our strength lies in our diverse community that is composed of accomplished teachers and renowned researchers. Furthermore, you are joining our nearly 6,000 alumni who give us great pride serving communities throughout the globe.

We are changing the landscape of our communities and we are excited for you to carry on that tradition now that you're a Rossie.



Dr. Sean Callanan, PhD, MVB, CertVR, MRCVS, FRCPath, DipIECVP
Dean
Professor of Anatomic Pathology
Ross University School of Veterinary Medicine

ACADEMIC CALENDAR

RUSVM operates on a three-semester calendar year. The DVM Pre-clinical semesters are 15 weeks each, including final exams. The DVM clinical program is a minimum of 45 weeks. The DVM program is a total of 150 weeks. Program hours for the graduate degree programs vary by degree. The start date for each semester is the day classes begin. Mandatory orientation for first semester DVM and Veterinary Preparatory (Vet Prep) program students is conducted each semester, during the week before classes begin. There are a total of seven weeks of semester break each calendar year. Traditionally, there are two weeks in the April/May break, two weeks in the August/September break and three weeks in the December/January break. Each semester, RUSVM has a one-day, mid-semester break. Classes held and University Open on Bank Holidays unless otherwise noted.

2021-2022 RUSVM PRECLINICAL ACADEMIC CALENDAR

FALL 2021	
Online Registration for Fall Term	July 12-July 26
Summer Semester Ends	Aug 19
New Student Online Orientation	Aug 30-Sept 3
Continuing Student Online Check-In	Sept 5-Sept 6
Classes Begin	Sept 6
Late Online Check-In with Fee	Sept 7
Last Day to Drop Core Courses Without a Grade	Sept 10
National Heroes Day	Sept 16
Independence Holiday (No Classes, University Closed)	Sept 19
White Coat Ceremony*	TBA
Mid-Semester Break (No Classes, University Closed)	Oct 22
Classes resume	Oct 25
Online Registration for Spring Term (electives only)	Nov 1-Nov 19
NAVLE Testing Window	Nov 1-Dec 31 (App Deadline Aug 1)
West Indies Veterinary Conference*	Nov 6-11 (Tentative)
Last Day of Classes	Dec 10
Final Examinations	Dec 13-Dec 16
Transition Ceremony*	Dec 15 (Tentative)
Break (No Classes)	Dec 17-Jan 9
Final Grades Available to Students via myRoss and Canvas	Dec 22
Christmas Day (No Classes, University Closed)	Dec 25
Boxing Day (No Classes, University Closed)	Dec 26

ACADEMIC CALENDAR (continued)

SPRING 2022	
New Student Arrival Weekend	Dec 31-Jan 2
New Year's Day (No Classes)	Jan 1
Carnival Holiday (No Classes)	Jan 2
New Student Orientation and Check-In	Jan 3-Jan 7
Continuing Student Online Check-In	Jan 9-Jan 10
Classes Begin	Jan 10
White Coat Ceremony*	Jan 10
Late Check-In with Fee	Jan 11
Last Day to Drop Core Courses Without Grade	Jan 14
Placement Ceremony*	Jan 28
Mid-Semester Break (No Classes, University Closed)	Feb 25
Classes Resume	Feb 28
Online Registration (Electives Only) for Summer Term	March 14-March 31
NAVLE Testing Window	April 11-April 23
Transition Ceremony*	April 14
Last Day of Classes	April 15
Good Friday	April 15
Easter Monday	April 18
Final Examinations	April 18-21
Break (No Classes)	April 22-May 8
Final Grades Available to Students	April 27

*Dates and details of events are subject to change in accordance with safety guidelines.

ACADEMIC CALENDAR (continued)

SUMMER 2022	
New Student Arrival Weekend	April 29-May 1
New Student Orientation and Check-In	May 2-May 6
Labour Day	May 2
Continuing Student Check-In	May 8-May 9
Classes Begin	May 9
White Coat Ceremony*	May 9
Late Check-In with Fee	May 10
Last Day to Drop Without A Grade	May 13
Commencement*	TBA
Placement Ceremony*	May 27
Whit Monday	June 6
Mid-Semester Break (No Classes, University Closed)	June 24
Classes resume	June 27
Online Registration for Fall Term (electives only)	July 11-July 29
Emancipation Day	Aug 1
Culturama	Aug 2
Transition Ceremony*	Aug 11
Last Day of Classes	Aug 12
Final Examinations	Aug 15-18
Final Grades Available to Students via myRoss	Aug 24
Break (No Classes)	Aug 19–Sept 4

CLINICAL ACADEMIC CALENDAR		
SEMESTER	**START DATE**	**FINISH DATE**
Fall 2021 Term	September 1	December 31
Spring 2022 Term	January 1	April 30
Summer 2022 Term	May 1	August 31

Effective September 2017, the Clinical Term Academic Calendar has been extended to span 52-weeks. These dates will remain constant each academic year.

**Dates and details of events are subject to change in accordance with safety guidelines.*

GENERAL INFORMATION

FOREWORD

Students must be familiar with the policies and procedures of Ross University School of Veterinary Medicine (RUSVM), as stated in this catalog and the RUSVM *Student Handbook*.

The contents of this catalog represent the most current information available at the time of publication. However, during the period of time covered by this catalog, it is reasonable to expect changes to be made with respect to this information without prior notice. The online version, found at https://veterinary.rossu.edu/media/15251/academic-catalog-2021, is the most current and accurate representation of RUSVM's academic catalog. It is updated frequently to give you the most current catalog information, and students are responsible for reviewing the changes.

RUSVM reserves the right to change, modify or alter, without notice, all fees, charges, tuition expenses and costs of any kind. RUSVM further reserves the right to add, modify or delete, without notice, any course offering or information contained in this catalog. Class and exam schedules published each semester will indicate additions or other changes.

Following a student's entry into the program, the curriculum may undergo modification(s). Students are responsible for degree program requirements in effect at the time of enrollment, plus any changes made during the student's progress toward completion as long as such changes do not delay graduation.

This catalog is a description of the educational program and activities available at RUSVM. RUSVM makes no claims that enrolling in a particular class or following the course curriculum will produce a specific achievement, employment, qualification for employment, admission to graduate degree programs or licensure. It is understood that the ultimate responsibility for complying with degree program requirements rests with the student.

INTRODUCTION

RUSVM offers Graduate Studies and a Doctor of Veterinary Medicine (DVM) degree program. Since our founding in 1982, RUSVM has graduated nearly 6,000 veterinarians in the Doctor of Veterinary Medicine degree program. RUSVM maintains a technologically-advanced campus in St. Kitts, part of the Federation of St. Christopher and Nevis in the Caribbean. Our administrative offices are located in Chicago, Illinois.

At our campus, the educational program is built upon a broad-based curriculum that is designed to provide the foundation for an excellent education and entry into a variety of career pathways. Our faculty has outstanding credentials in teaching and research and shares a passion for educating leaders of the public and professional health care teams of tomorrow.

MISSION

The Mission of Ross University School of Veterinary Medicine is to provide the best learning environment to prepare students to become members and leaders of the worldwide public and professional healthcare team, advancing human and animal health (One Health) through research and knowledge exchange.

- To provide a relevant and stimulating learning environment to equip veterinary students to become practice- and career-ready graduates
- To embrace diversity and offer students from a wide range of backgrounds the opportunity to follow their chosen career in veterinary medicine
- To serve society through strategic and impactful research into safe food production and control of emerging infectious and zoonotic diseases in developing countries and beyond
- To involve students in the work of our Research Centers, to foster a thirst for knowledge to improve the health and welfare of humans and animals through observation, investigation, and research
- To educate graduate students to become successful contributors to the knowledge economy, through advanced training in areas strategically important to global health

The island of ST. KITTS



ROSS UNIVERSITY
SCHOOL OF VETERINARY MEDICINE

GENERAL INFORMATION (continued)

DEGREE PROGRAMS OVERVIEW

VETERINARY PREPARATORY PROGRAM

RUSVM offers a one-semester Veterinary Preparatory (Vet Prep) program for students who may benefit from specific courses to enhance the probability of their success in veterinary school.

DOCTOR OF VETERINARY MEDICINE DEGREE PROGRAM

The Doctor of Veterinary Medicine (DVM) degree program consists of 10 semesters of Pre-clinical and clinical training. The seven-semester Pre-clinical curriculum takes place in St. Kitts and is enhanced by hands-on clinical experience to help students prepare for their final year of clinical training at one of RUSVM's affiliated veterinary schools in the United States, Canada, Ireland, UK, New Zealand, or Australia. RUSVM is proud to be affiliated with 29 AVMA-accredited schools of veterinary medicine.

GRADUATE STUDIES PROGRAM

Within the framework of the Graduate Studies program, RUSVM offers a dual DVM/Master of Science (MSc) by Research degree, Master of Science (MSc) by Research, Doctoral (PhD) by Research degree program, Master of Science (MSc) by Coursework in One Health online degree program, and a Certificate in One Health.

ACCREDITATION & APPROVALS

RUSVM is accredited by the St. Christopher & Nevis Accreditation Board. The DVM program holds accreditation status from the American Veterinary Medical Association (AVMA). RUSVM's Veterinary Clinic is accredited by the American Animal Hospital Association (AAHA). The clinic provides a range of medical and surgical services for small animals, including preventive care and emergency medicine. RUSVM's Veterinary Clinic is also accredited by the American Association for Accreditation of Laboratory Animal Care (AAALAC) and the Counselling Center is accredited by the International Association of Counseling Services (IACS).

ST. CHRISTOPHER & NEVIS ACCREDITATION BOARD

Ross University School of Veterinary Medicine is accredited by the St. Christopher & Nevis Accreditation Board, Ministry of Education to confer the degree of Doctor of Veterinary Medicine, Doctor of Philosophy (PhD) and Master of Science on its students who successfully complete the course of study.

About the St. Kitts-Nevis Accreditation Board

AMERICAN VETERINARY MEDICAL ASSOCIATION COUNCIL ON EDUCATION

Ross University School of Veterinary Medicine confers a Doctor of Veterinary Medicine (DVM) degree, which is accredited by the American Veterinary Medical Association Council on Education (AVMA COE), 1931 N. Meacham Road, Suite 100, Schaumburg, IL 60173, Tel: 800.248.2862. For more information please visit https://www.avma.org/education/accreditation-veterinary-colleges.

The AVMA COE uses defined standards to evaluate veterinary medical education programs, including facilities, clinical resources, curriculum, faculty, student outcomes and research programs. The standards are interpreted and applied by the AVMA COE-accredited veterinary medical education programs in relation to its mission.

GENERAL INFORMATION (continued)

AMERICAN ASSOCIATION FOR ACCREDITATION OF LABORATORY ANIMAL CARE (AAALAC)

Ross University School of Veterinary Medicine's (RUSVM) Veterinary Clinic is accredited by the American Association for Accreditation of Laboratory Animal Care (AAALAC, www.aaalac.org) as a school. The accreditation focuses on animals used in teaching and research environments.

RUSVM received full accreditation on July 16, 2019, from AAALAC International, an organization that promotes the humane treatment of animals in science through voluntary accreditation and assessment programs.

AMERICAN ANIMAL HOSPITAL ASSOCIATION

Ross University School of Veterinary Medicine's (RUSVM) Veterinary Clinic is accredited by the American Animal Hospital Association (AAHA, www.aaha.org). The clinic provides a range of medical and surgical services for small animals, including preventive care and emergency medicine.

RUSVM's initial accreditation was granted in July 2010.

INTERNATIONAL ASSOCIATION OF COUNSELING SERVICES (IACS)

The Ross University School of Veterinary Medicine's Counseling Center is accredited by the International Association of Counseling Services, Inc. (IACS, www.iacsinc.org).

U.S. STATE-LEVEL RECOGNITION

Iowa: RUSVM's DVM program is registered by the Iowa Student Aid Commission located at 475 SW 5th St., Suite D, Des Moines IA 50309.

RESEARCH

At the core of RUSVM's mission is our commitment to research. RUSVM is located on the island of St. Kitts in the Eastern Caribbean, a region rich in contrasting ecosystems and socio-economic situations, One Health issues, and close animal-human interactions. The location provides the ideal backdrop for conducting surveys and research programs of strategic importance to the developing world. Tropical countries are particularly vulnerable to emerging and re-emerging infectious agents due to geographic position, increased international travel, drug resistance and climatic and environmental changes.

RUSVM faculty members participate in research projects totaling more than $1.5 million from grant awarding bodies, industry, corporates and governments, and during the period 2014-2021, have authored more than 700 scientific papers. Our research team comprises faculty from across the globe—many with experience at international institutes and agencies including the World Health Organization.

Our One Health approach facilitates the implementation of research across all facets of disease and is the theme of our One Health Research Center for Zoonoses and Tropical Veterinary Medicine which deals with the significant public health threat of zoonoses, many of which are neglected. Conservation is another important theme in the school, and studies on artificial coral reefs, the endangered marine species that inhabit them, fish diseases, turtle conservation programs, and management of introduced species, contribute significantly to preservation of ecosystems and the environment, and is supported within the Center for Conservation Medicine and Ecosystem Health. Innovation and advances in human and animal healthcare depend on progress in understanding the pathogenesis of diseases and the effects of therapies - the theme of the Center for Integrative Mammalian Research. The Center for Research and Innovation in Veterinary and Medical Education promotes the learning environment through scholarly research that encourages creativity and innovation in teaching and learning.

RUSVM is providing opportunities for our students to engage in research and benefit from being taught by research leaders in their field. More than 150 RUSVM students participate in research projects each year and DVM students must complete the Principles of Veterinary Research course during their first semester. Our research active faculty are part of one or more RUSVM Research Center(s), providing additional opportunities for student involvement in research programs. Graduate students in our MSc and Ph.D. programs participate in research with faculty advisors aligned with one of our Research Centers.

GENERAL INFORMATION (continued)

RESEARCH CENTERS

A One Health approach to research is essential. It facilitates the implementation of research across all facets of disease and is the motivation behind RUSVM's largest Research Center. RUSVM's One Health Center for Zoonoses and Tropical Veterinary Medicine focuses on research aimed at understanding and combatting zoonotic, vector-borne and other infectious diseases affecting humans and animal health as well as livestock production in St, Kitts and Nevis and around the Caribbean and Central America.

Conservation is another important theme in the school, and studies on artificial coral reefs, the endangered marine species that inhabit them, fish diseases, turtle conservation programs, and management of introduced species, contribute significantly to preservation of ecosystems and the environment. The Center for Conservation Medicine and Ecosystem Health focuses on applied research with two overarching themes: 1) Health of species in marine ecosystems in the Caribbean, and 2) Population ecology, disease epidemiology and management of non-native island species in the Caribbean. In marine ecosystems, the Center has a current focus on sea turtles, nesting shorebirds/seabirds, marine mammals, corals, and fish populations. In terrestrial ecosystems, the focus is on feral donkeys, free-roaming dogs, African green monkeys and small Indian mongooses.

Innovation and advances in human and animal healthcare depend on progress in understanding the pathogenesis of diseases and the effects of therapies. The Center for Integrative Mammalian Research focuses on a diversity of basic research topics including anesthesia and pain management, immune regulation, gene function, reproductive disorders, neurology and animal behavior, and in vitro and in vivo models of noninfectious human and animal diseases. While the focus is primarily on noninfectious diseases, some of the skills and knowledge within this area are applied to the infectious disease programs of the other centers.

The Center for Research and Innovation in Veterinary and Medical Education focuses on specific research programs in innovative interactive teaching technologies and strategies, including communication, simulation and mobile gaming, faculty development and student and learning outcomes. Current projects focus on the development and evaluation of innovative pedagogical tools and techniques, including new approaches to curricula, which more effectively facilitate the application of acquired basic science knowledge to clinical professional training.

SECURITY

RUSVM is committed to promoting the security of its students. The cooperation of students, faculty, and staff is essential to a safe campus. Every member of the campus community is encouraged to report any possible crime, suspicious activity, or emergency on campus to the Safety and Security Department, whose duty it is to maintain order and regulate safety. Security is available to provide assistance to students and faculty on- and off-campus in St. Kitts.

In accordance with U.S. Department of Education requirements, information about security and safety practices, as well as campus crime statistics are published annually in the RUSVM Annual Disclosure documents. This information is made available to current students and may be obtained by anyone else, including prospective students, upon request, and on the Student Consumer Information website at https://veterinary.rossu.edu/student-consumer-information.

A mass notification emergency warning system (SIREN) is in place to communicate to the campus community simultaneously by landline and mobile phone, text messaging, and email in the event of an emergency. It is the responsibility of each student to keep his or her contact information, including the student's emergency contact person, current. Students may update their personal profile at any time by accessing their account in myRoss. By and large, most student security problems occur outside the campus compound. Students and visitors should take the same precautions that they would take in major cities in the United States.

For more information, please visit https://veterinary.rossu.edu/life-in-st-kitts/safety-security?elqTrackId=891f892d7fd942f8b91f0602fd389e94&elqaid=61&elqat=2.

GENERAL INFORMATION (continued)

RUSVM COMPLAINT POLICY

The *Student Handbook* contains a formal complaint policy that outlines the pathways for investigating and addressing any and all student complaints or concerns (together, "complaints") to RUSVM about any component of a candidate's experience at RUSVM, including (by way of illustration only) such diverse topics as dissatisfaction with services provided at a campus or during the clinical year, or discrimination or harassment in violation of RUSVM policies.

It is designed to be flexible so as to accommodate the wide range of complaints that students may lodge. Because no policy is one-size-fits-all, though, RUSVM reserves the right to deviate from this policy if the circumstances of a particular complaint or investigation call for additional flexibility. RUSVM takes candidate complaints very seriously and is committed to creating a productive learning environment, free from discrimination. For detailed information, please see the *Student Handbook*.

POLICY ON ANIMALS USED IN TEACHING AND RESEARCH

The use of animals in instructional and research activities within RUSVM is strictly regulated by written protocols, designed to ensure the humane treatment of animals under the care of students, staff or faculty. The RUSVM Institutional Animal Care and Use Committee (IACUC) regularly reviews these protocols for compliance with federal regulations outlined under the Animal Welfare Act. RUSVM follows the Guide for the Care and Use of Laboratory Animals, NRC 2011, 8th Edition, the Animal Welfare Act as implemented by Title 9, Code of Federal Regulations (CFR) of the US, the AVMA Guidelines on Euthanasia (2013), and any published guidance from the government of St. Kitts as guidelines for standards of care and use of animals.

The curriculum at RUSVM provides a wide range of opportunities for hands-on training, which are presented in accordance with the restrictions and requirements set forth above. This curriculum does include dissection of animal cadavers, anesthesia, and survival surgeries on multiple species. Laboratory sessions may involve handling of blood, urine, tissue and fecal specimens obtained from animals or from the local abattoir. The use of animals in teaching undergoes regular review and modifications are made from time to time to ensure both academic rigor and appropriate handling of animals. RUSVM offers programs of study and curriculum to grant DVM and Graduate degrees. Therefore, students will be expected to participate in the handling of specimens and surgeries specific to the program of enrollment.

VETERINARY PREPARATORY PROGRAM

ADMISSIONS INFORMATION

RUSVM offers a one-semester Veterinary Preparatory (Vet Prep) program for students who may benefit from specific courses that will enhance the probability of their success in veterinary school. The Admissions Committee makes the decision on who is accepted into this program based upon the academic requirements of the DVM program. Students who do not successfully complete the Vet Prep program will not be admitted to the RUSVM DVM program. ***(See the full DVM Degree Program for information on Academic Policies, Selection Requirements and Application Fees Information)***

FINANCIAL INFORMATION

TUITION & FEES

VET PREP	
2021-2022 ACADEMIC YEAR	
$13,859	Per semester: Tuition for full-time students
$24	Per semester: Student Government Association fee
$150	Student Visa Processing Fee*

*Students entering their first semester or those attending the Vet Prep

Program are assessed a one-time student visa processing fee of $150.

Tuition is listed in United States currency. Tuition is subject to change.

Please see the *Student Handbook* for tuition and refund policies.

OTHER EDUCATIONAL EXPENSES

Health Insurance: Students must have health insurance while enrolled at RUSVM. RUSVM students with access to an insurance plan through Aetna®. The flat rate fee for Health Insurance for the 2021-2022 academic year is $938.34 per semester. If a student provides proof of insurance coverage, the requirement to purchase University-sponsored health insurance can be waived once per year in August or the semester in which the student begins.

Living Expenses: Based on availability, students may be able to live in on-campus housing. Housing fees may be found by visiting: http://veterinary.rossu.edu/admissions/dvm-admissions/financial-aid/tuition-fees.html. Off-campus housing is also available. Students must plan on the cost of rent and utilities, which will vary based on factors such as location and whether there are roommates. Food and incidental costs must also be budgeted.

Transportation to/from St. Kitts: Immigration requires students entering St. Kitts to have a return airline ticket.

Financial Obligations: Tuition and fees are billed approximately 14 days in advance of each semester and are due the first day of class. Students who have submitted all required financial aid forms and have received a private loan approval may have tuition payment deferred until the funds are disbursed from the lender. Students whose financial aid processing remains incomplete, through no fault of their own and/or their co-signer, may register and begin classes but are still held responsible for full payment of all tuition charges. Unless the Office of Student Finance authorizes late payment, all balances must be paid at the start of classes. RUSVM has the right to withhold services and academic certification from a student whose account is overdue.

See Student Handbook for additional information about tuition and fees.

Refund Policy for Withdrawals: A withdrawal occurs when a student's enrollment is permanently discontinued or interrupted without an authorized leave of absence in accordance with the policies and procedures in the *Student Handbook*. The effective date of withdrawal is normally the date the student notifies the institution of the withdrawal or student's last academically related event. ***(See the DVM Refund Policy for Withdrawals in the Student Handbook for more information).***

VETERINARY PREPARATORY PROGRAM (continued)

FINANCIAL AID

RUSVM understands tuition and financial assistance are important aspects of the education process. The Office of Student Finance provides support to encourage financial responsibility by helping students understand their options for financial assistance and cost-effective living arrangements while studying at RUSVM.

Detailed information on financial aid programs is published in the booklet, *The Financial Planning Guide*. This is available online at https://veterinary.rossu.edu/media/4146/rusvm-financial-aid-planning-guide
(See the DVM Financial Aid Information section in the Student Handbook, which includes information on government student assistance)

CURRICULUM AND COURSE DESCRIPTIONS

Courses in the Vet Prep program include science and mathematics. Case based learning is a separate course, though its principles are used throughout the Vet Prep program. Additionally, students benefit from a transitional course that introduces them to their academic veterinary medicine program and promotes mindfulness and study skills. Vet Prep students who successfully complete the Vet Prep program will be placed into first semester classes of the DVM.

SEMESTER	COURSE NO.	COURSE TITLE	CREDITS
VET PREP	VPRP 902	Clinical Applications	1
	VPRP 905	Medical Mathematics and Introduction to Pharmacology	3
	VPRP 906	Introduction to Microbiology	3
	VPRP 907	Cellular Biology and Homeostasis	3
	VPRP 908	Transition to Veterinary Student Life	1
	VPRP 909	Structure & Functional Biology	3
	VPRP 910	Case Based Learning	2

VPRP 902

CLINICAL APPLICATIONS (1 CREDIT)

Provides the student with a clinical setting to integrate material that is taught in other vet prep courses. Within this clinical setting the concepts of anatomy and physical examination will be demonstrated and then practiced by the student. This course integrates with the Case-based learning course. Clinical skills will be focused on small animals, however other species will be introduced to emphasize comparative anatomy of common domestic species. The students will begin learning the process of acquiring information from a physical exam and applying it in order to formulate a clinical profile for an animal. Animal handling, restraint, and physical exam techniques will be demonstrated and practiced. Students are also introduced to the concepts of veterinary medical record keeping, problem-based medical record and the SOAP format.

VPRP 905

MEDICAL MATHEMATICS AND INTRODUCTION TO PHARMACOLOGY (3 CREDITS)

Reviews basic mathematics and teaches abbreviations common to medication administration, and methods of solving problems related to drug dosage and intravenous infusions, toxicology calculations, ionization of drug calculations, pharmacokinetic calculations and basic statistics, as well as learning the general principles of pharmacology.

VETERINARY PREPARATORY PROGRAM (continued)

VPRP 906

INTRODUCTION TO MICROBIOLOGY (3 CREDITS)

Covers the physiology, pathogenesis, and epidemiology of medically important bacteria, fungi, viruses, protozoa, nematodes, cestodes and trematodes. Selected diseases that bring into sharp focus the conflict between host and pathogen are covered. Also covered is the central role of host immune responses [innate and adaptive], which ensure that most host-pathogen contacts do not lead to disease.

VPRP 907

CELLULAR BIOLOGY AND HOMEOSTASIS (3 CREDITS)

A survey course focusing on properties of enzymes, carbohydrate, lipid and amino acid metabolism; water and water balance, membrane physiology and intercellular communication (transporters and receptors), acid-base fundamentals, endocrine system and an introduction to micro-anatomical identification of cells.

VPRP 908

TRANSITION TO VETERINARY STUDENT LIFE (1 CREDIT)

Designed to help students adjust to island life and professional school while promoting mindfulness practice (Mindfulness Based Stress Reduction program in human medicine) and developing the skills necessary to attain success at RUSVM. It also serves as an introduction to veterinary medicine, giving opportunity for students to learn more about the various disciplines within the profession from a variety of individuals.

VPRP 909

STRUCTURE & FUNCTIONAL BIOLOGY (3 CREDITS)

Introduces students to medical terminology that will be utilized in the veterinary curriculum. The course begins with basic directional/positional terms and then proceeds to terms that are pertinent to each body system. Scientific articles will be used to highlight the use of these terms. Short writing assignments and verbal exercises will be used to enable the student to practice using these terms.

VPRP 910

CASE BASED LEARNING (2 CREDITS)

A template for solving clinical problems will be introduced in a small group setting. The group will examine clinical case scenarios that integrate concepts and information presented in other classes and information found during assigned independent research in the library and on the web. A problem-oriented approach will be used to help explore the problem, formulate appropriate differential diagnoses, and develop a plan for its accurate diagnosis and amelioration.

DEGREE PROGRAMS–DOCTOR OF VET MEDICINE

DOCTOR OF VETERINARY MEDICINE

The Doctor of Veterinary Medicine (DVM) degree is awarded upon successful completion of the Pre-clinical curriculum and the clinical training curriculum. The Pre-clinical curriculum consists of 128.5 semester credit hours of specifically prescribed course work. A credit hour for the RUSVM Pre-clinical curriculum is equal to one hour of instructional time and two hours of supplementary time. During the clinical training curriculum, one credit hour equals one week of instructional time.

The clinical training curriculum consists of three academic semesters of clinical training at an AVMA-accredited school of veterinary medicine in the US, Canada, Ireland, UK, New Zealand, or other international location that is affiliated with RUSVM. Students should complete the full curriculum in 10 semesters. RUSVM is proud to be affiliated with 29 AVMA-accredited schools of veterinary medicine.

ADMISSIONS INFORMATION

For US and Canada Applicants

SELECTION CRITERIA

The RUSVM Admissions Committee, comprised of selected faculty members, gives serious consideration to all candidates showing the potential to meet the rigorous academic requirements of a highly structured veterinary curriculum.

The Admissions Committee considers each applicant for admission based on a combination of factors, including:

- Cumulative undergraduate grade point average (GPA)
- Graduate Record Exam (GRE)®exam (optional for the January 2022, May 2022 and September 2022 semesters)
- GPA in pre-requisite coursework
- Competitiveness of the undergraduate school and curriculum
- Pre-veterinary committee evaluation or two letters of recommendation
- Experience working with animals (at least 150 hours of veterinary profession experience, working with animals or veterinary research)
- Personal essay
- Personal interview
- Extracurricular activities
- Advanced science coursework
- Personal qualities
- Computer-based Assessment for Sampling Personal Characteristics (CASPer™): Applicants applying to the DVM program have the option to complete to assist with our selection process for 2022

Applicants whose credentials are judged to be indicative of the potential for successful completion of the prescribed curriculum will be invited for an interview, generally within two to four weeks after initial application materials have been received. The interview helps assess the overall personal and academic background, maturity, adaptability, character, aptitude and, most importantly, the applicant's motivation to become a veterinarian.

Work history and professional or volunteer experience provides further evidence of the student's motivation. Persons whose applications are incomplete, or whose qualifications are not acceptable, will be so notified. The Admissions Committee's decision is communicated by an electronic letter to the applicant, following the interview.

DEGREE PROGRAMS–DOCTOR OF VET MEDICINE (continued)

EDUCATIONAL REQUIREMENTS

RUSVM requires a minimum of 48 credits of college work, but strongly recommends that you complete your undergraduate degree program. **Pre-requisite courses cannot be more than 10 years old**. The coursework should include the following pre-requisite courses:

Biology
Two semesters of Biology (eight semester hours) with laboratory

Cell Biology or Genetics
One course of either Cell Biology or Genetics (three semester hours); laboratory is recommended but not required

Chemistry (General/Inorganic and Organic)
One semester of General Chemistry (four semester hours) with laboratory and One semester of Organic Chemistry (four semester hours) with laboratory

Biochemistry
One semester (three semester hours)

Physics
One semester of Physics (four semester hours) with laboratory.

Mathematics
One semester of college-level Mathematics (three semester hours) to be chosen among pre-calculus, calculus, and statistics.

English
One semester of English (at least three semester hours), preferably to include one semester of English Composition. Canadian students may satisfy English requirements in 4 possible ways:

- 2 semesters of university humanities where essays composed at least 40% of the overall mark,
- holding a grade 13 English credit in Ontario,
- International Baccalaureate and
- Advanced Placement English.

Electives/Humanities/Social Sciences
Nine semester hours; one of the courses to meet this requirement must be one of the following:

- Comparative Anatomy
- Medical Terminology
- Microbiology
- Nutrition
- Physiology
- Spanish (or other foreign language)
- Public Speaking
- Introduction to Business

Examination Requirements: Graduate Record Examinations (GRE)*
Applicants are encouraged to submit GRE scores with the application. The Admissions Committee will use the scores to assist in the admissions decision. Any applicant who has taken the GRE more than one time, must submit all the results prior to enrollment. The RUSVM code number is # 2639. To learn more about the GRE, visit www.gre.org.

** Optional for the January 2022, May 2022 and September 2022 semesters*

DEGREE PROGRAMS–DOCTOR OF VET MEDICINE (continued)

Test of English as a Foreign Language (TOEFL®)
The TOEFL measures the ability of non-native speakers of English to use and understand English as it is spoken, written and heard in college and university settings. If less than 60 upper-division credits were earned from an English language college or university, the applicant will need to provide all official records of scores for the TOEFL. The minimum score on the computer-based test is as follows: 25 Listening; 22 Writing; 22 Speaking; 23 Reading. The TOEFL institutional code for RUSVM is #9614.

Work Experience
Applicants are required to have completed the equivalent of at least 150 hours of veterinary professional experience, working with animals or veterinary research. It is preferable that all such experience has taken place under the supervision of practicing veterinarians, but comparable experience may be considered.

Personal Interview
Applicants whose credentials are judged to be indicative of the potential for successful completion of the RUSVM prescribed curriculum will be invited for an interview. The interview is often conducted within two to four weeks after initial application materials have been received.

Your personal interview helps the Admissions Committee assess your overall personal and academic background, maturity, adaptability, character, aptitude, and most importantly, your motivation to become a veterinarian. Applicants are advised that being granted an interview is not a guarantee of acceptance, though it does play a significant part in the decision by the Admissions Committee.

Letters of Recommendation
Applicants must submit two official letters of recommendation, which become the property of RUSVM:

- One academic letter from a pre-health or pre-vet professor acquainted with the applicant's academic ability or a recommendation from a college pre-health or pre-vet advisory committee;
- One professional letter from a veterinarian acquainted with the applicant's veterinary experience.

All letters must be on proper letterhead with contact information included and sent directly from the recommender to the RUSVM Office of Admissions.

Application Checklist
Applications for RUSVM can be completed online at veterinary.rossu.edu or through VMCAS. All letters of recommendation and transcripts must be mailed to Ross University School of Veterinary Medicine, Office of Admissions, 630 US Highway 1, Suite 2031, North Brunswick, NJ, 08902.

A complete application consists of the following documents:

- A completed RUSVM application.
- Official transcript(s) from each college and/or professional school attended (transcripts must include the required minimum of 48 credits, and all prerequisite courses must be either completed or in progress). Degree-granting transcripts must contain a graduation date.
- Two official letters of recommendation, which become the property of RUSVM: One academic letter from a pre-veterinary professor acquainted with the applicant's academic ability or a recommendation from a college pre-vet advisory committee; and one from a veterinarian acquainted with the applicant's work experience. All letters must be on proper letterhead with contact information included, and sent directly from the recommender to the RUSVM Office of Admissions.
- GRE scores (Optional for the January 2022, May 2022 and September 2022 semesters).
- Official report of scores on the IELTS/TOEFL, if applicable.
- $100 USD application fee (non-refundable).

DEGREE PROGRAMS–DOCTOR OF VET MEDICINE (continued)

If applying as a transfer student, you must also submit the following documentation:

- A letter of intent that includes: a cogent, well-written explanation of the student's reason(s) for requesting a transfer; an indication of the semester of the curriculum into which transfer is requested; and the student's enrollment status in the college of veterinary medicine from which the student wishes to transfer.
- A letter of character and academic reference (including class ranking) from the associate dean of the college of veterinary medicine or his/her designee from which the student wishes to transfer.
- Up to two letters of reference from former instructors who are members of the faculty of the college of veterinary medicine from which the student wishes to transfer.

For International Applicants
RUSVM gives serious consideration to all candidates showing the potential to meet the rigorous academic requirements of a highly structured veterinary medicine curriculum. The Admissions Committee will consider a variety of factors in determining suitability for our program including:

- Grades from coursework
- Two letters of reference
- Personal statement
- Personal interview (may be virtual)

Recommended Pre-Requisite Coursework
Applicants will be evaluated based on grades achieved during their coursework, and will be expected to have undertaken general university-level science training after Year 13 of the school program.

Bachelor of Science (BSc):
Applicants who have completed a BSc must have achieved at least an upper second class honours (2:1).

GCSE A-Levels:
Applicants possessing A-Level or similar courses should achieve the following PLUS complete at least one year of an appropriate biological science program at the university level with good grades achieved:

> Three A-levels ABB-BBB, including Biology and Chemistry at A level and one other A level approved for a veterinary degree. If Physics and Mathematics have not been taken at A level, the candidate must have good passes in Physics and Mathematics at GCSE level.

Scottish Highers:
Applicants should achieve the following in Year 12 PLUS have completed at least two years of an appropriate biological science program at the university level with good grades achieved OR BB at Advanced Higher in Chemistry and Biology plus one year of an appropriate science program at the university level, with good grades achieved.

> Five Highers AABBB/C. Must have Chemistry and two of Biology, Mathematics, Physics, plus two other subjects. Must have good standard grade passes in each of Biology, Mathematics and Physics.

International Baccalaureate (IB):
Applicants should achieve the following PLUS complete at least one year of an appropriate biological science program at the university level with good grades achieved.

> The minimum entry is 32-36 points. Must include higher level in Chemistry, Biology, and either Mathematics or Physics. If Physics does not form part of the IB diploma, candidates must possess GCSE Grade B or equivalent in this subject.

DEGREE PROGRAMS–DOCTOR OF VET MEDICINE (continued)

English Competency:
If English is not the primary language of the applicant, official record of scores for one of the following may be requested by RUSVM:

- Test of English as a Foreign Language (TOEFL) iBT – 25 Listening; 22 Writing; 22 Speaking; 23 Reading
- IGCSE English (First language) Grade B
- International English Language Testing System (IELTS) – 7.0
- Pearson Test of English (PTE) Academic – 67
- Cambridge English: Advanced & Proficiency overall 185

Personal Statement
Your personal statement gives us an idea of your skills, achievements, and motivation, which are important factors in assessing your application. It should refer to practical work experience in veterinary settings – including research. We recognize that such opportunities may not be available to all candidates.

Personal Interview
Applicants whose credentials are judged to be indicative of the potential for successful completion of the prescribed curriculum will be invited for interview, generally within two to four weeks after initial application materials have been received. The interview helps assess overall personal and academic background, maturity, adaptability, character, aptitude, and most importantly, your motivation to become a veterinarian. Interviews may be conducted virtually.

Letters of Reference
Two official letters of reference: either from two faculty members from the applicant's first degree, acquainted with the applicant's academic ability; or one from a faculty member, and one from a veterinarian or other professional acquainted with the applicant's veterinary or research experience. All letters must be on proper letterhead with contact information included and sent directly from the referee to the RUSVM Office of Admissions.

Notification
Persons whose applications are incomplete, or whose qualifications are not acceptable, will be so notified. The Admissions Committee decision is communicated by letter to the applicant as soon as possible.

PATHWAY PROGRAMS

Singapore
The Veterinary Pathway Programs offer eligible students a clear educational path from Ngee Ann Polytechnic's Diploma in Veterinary Bioscience (VBS) into the Doctor of Veterinary Medicine (DVM) program at Ross University School of Veterinary Medicine (RUSVM). The Program is designed to advance the educational opportunities of eligible students by offering them direct admission opportunities when applying to RUSVM, provided they meet the eligibility criteria. Visit the Pathway Programs Page for more information at https://veterinary.rossu.edu/admissions/international-app/pathway-program.

TRANSFER APPLICANTS: ADMISSION WITH ADVANCED STANDING

Applicants who have completed a portion of their curriculum at a RUSVM-approved school of veterinary medicine may apply for admission with advanced standing. Such transfer applicants must present evidence of completion of courses (or their equivalent) at a school of veterinary medicine accredited by the AVMA, comparable to those offered in the Pre-clinical curriculum at RUSVM. Applicants must also arrange with the veterinary school they are currently attending for an official transcript of their academic record to be sent to the RUSVM Office of Admissions.

Additionally, transfer applicants must meet all of the requirements for admission to RUSVM. Namely, they should have earned a bachelor's degree or equivalent from a North American or other internationally recognized college or university. Occasionally, applicants qualify for admission upon completion of 48 credits (i.e. three full-time years) of post-secondary studies. The pre-veterinary studies of transfer applicants must include the aforementioned prerequisite courses and GRE scores.

DEGREE PROGRAMS–DOCTOR OF VET MEDICINE (continued)

Placement will be determined by the Associate Dean for Academic Affairs and the Dean, and will depend on the courses already completed. However, credit will not be given for more than the first three semesters of study. Transfer applicants must take all of the courses offered for the semester they are admitted and may be required to repeat the entire curriculum. All transfer students must spend a minimum of seven semesters of study enrolled at RUSVM. Applicants who have previously been dismissed from a school of veterinary medicine are ineligible for admission to RUSVM.

PARTNERSHIPS WITH FOUR-YEAR COLLEGES AND UNIVERSITIES

RUSVM believes in building strong relationships with four-year colleges and universities, with the purpose of helping eligible students move seamlessly from their undergraduate studies to veterinary school. For more information about our partnerships please visit: https://veterinary.rossu.edu/admissions/dvm-admissions/articulation-agreements.

ACCEPTED STUDENTS

Upon acceptance, students are required to pay a nonrefundable tuition deposit of $1,000 due 120 days prior to the start of the semester. The $1,000 tuition deposit will be credited to the student's account.

Except in Louisiana, Iowa and other states where prohibited, if the student fails to attend the semester for which the tuition deposit was paid, the tuition deposit will be subject to forfeiture. If the student requests to defer his/her enrollment to a subsequent semester, the full $1,000 tuition deposit, if not already submitted, must be paid in full prior to the deferral being processed. Tuition deposits are valid for one year from the original term to which the student was accepted. For more details, please refer to the "Financial Information" section of this catalog.

CANCELLATION POLICY

If an applicant decides to withdraw his/her application prior to decision, the applicant must email his/her admissions coordinator with that request. The coordinator will then deactivate the application. The application fee is non-refundable.

The state of Missouri provides for a period during which admissions agreements with RUSVM may be cancelled by the student with refund of all monies paid. This cancellation period shall not be less than (3) days, not including Saturdays, Sundays, and holidays.

The state of Iowa (Iowa Code Section 714.23) provides the following tuition policy exceptions for Iowa residents:

- If any time, a student terminates a postsecondary educational program due to the student's physical incapacity or, for a program that requires classroom instruction, due to the transfer of the student's spouse's employment to another city, the terminating student shall receive a refund of tuition charges in an amount that equals the amount of tuition charged to the student multiplied by the ratio of the remaining number of calendar days in the school period to the total number of calendar days in the school period.

Iowa resident students who withdraw after the 60% in the term due to physical incapacity or spousal employment relocation to another city are entitled under law to a prorated refund of tuition charges all the way up to (but not including) the ending date of the term.

Iowa national guard or reserve forces of the United States, their spouse or dependent child are offered the following options should the service member be ordered to state military service or federal service or duty:

- Withdraw from the student's entire registration and receive a full refund of tuition and mandatory fees.
- Arrangement will be made with the student's instructors for course grades, or for incompletes that shall be completed by the student at a later date. If such arrangements are made, the student's registration shall remain intact and tuition and mandatory fees shall be assessed for the courses in full.
- Arrangement will be made with only some of the student's instructors for grades, or for incompletes that shall be completed by the student at a later date. If such arrangements are made, the registration for those courses shall remain intact and tuition and mandatory fees shall be assessed for those courses. Any course for which arrangements cannot be made for grades or incompletes shall be considered dropped and the tuition and mandatory fees for the course refunded.

RUSVM operates under a lockstep curriculum. RUSVM's curriculum is designed so classes are meant to be taken in a specific order, to bolster students' knowledge and skills incrementally. As such, the general policy at RUSVM is that it does not cancel classes.

DEGREE PROGRAMS–DOCTOR OF VET MEDICINE (continued)

NEW STUDENT WELCOME PACKET MATERIALS

Once accepted to RUSVM, students receive a welcome packet with information pertaining to travel, student visa requirements, financial aid, housing, pets, etc., to assist with their preparations for matriculation.

REQUIRED DOCUMENTS

To obtain a student visa, students should have the following documents:

- Valid passport from student's home country
- Round-trip airline ticket (with return date no earlier than the last day of semester)
- One passport-sized photograph
- Original police certificate/affidavit (obtained from the country where the applicant has lived for the past six months)
- Birth certificate (certified copy preferred)
- Childhood/adult immunization records, which must include 2 MMR, at least 1 Polio, and 3 Hep B vaccination records
- RPR test results (a screening test for syphilis)
- Mantoux/PPD skin test for tuberculosis (chest x-ray required if Mantoux test is positive)
- Copy of acceptance letter/immigration letter from the RUSVM Office of Admissions
- Proof of funding if by personal arrangements or loans
- Student visa application (available from RUSVM)
- Student visa fee: $150 US/400 EC (added as a student fee to your account)

Students will need to bring these items with them to St. Kitts. Upon arrival in St. Kitts, RUSVM officials will assist in expediting the visa process for students.

FINANCIAL INFORMATION

TUITION AND FEES

All tuition and fees are listed in U.S. currency. Amounts are subject to change and additional fees may be charged for special features and/or services.

Application Fee

The $100 application fee is nonrefundable and is payable with submission of the application.

Residents of the state of IA who cancel prior to attendance are eligible for a full refund.

Tuition

Tuition is listed in United States currency. Tuition is subject to change.

DEGREE PROGRAMS–DOCTOR OF VET MEDICINE (continued)

DOCTOR OF VETERINARY MEDICINE PROGRAM	
2021-2022 Academic Year	
Tuition – Pre-clinical curriculum semesters (1–7)	
$21,603.00	Per semester: tuition for full-time students (Flat Rate: 8-21 credits)
$24	Per semester: Student Government Association fee (Semesters 1-7).
$19.20	Per semester: AVMA Fee
Tuition – Clinical Training curriculum semesters (8–10)	
$21,603.00	
$19.20	Per semester: AVMA Fee

Please see the *Student Handbook* for tuition and refund policies.

OTHER EDUCATIONAL EXPENSES

Educational Materials: Students are responsible for purchasing required textbooks, supplies, equipment and required clinical clothing. The average cost for educational materials is approximately $590 per semester for Semesters 1-7, and $512 per semester for Semesters 8-10. First semester students are charged a one-time educational resource fee for $780.

Students are provided the option to opt out of using eBooks during Semesters 1-7. They may do so by logging onto the myRoss website and completing the opt-out form. Students who elect to opt out will receive a credit in the amount of those books, but will then need to independently purchase the complete list of all required books for the semester. Students will only be able to opt out during a 2-week period at the start of the semester, the week prior to the start of classes and during the first week of classes. After the opt out form is received by the Office of Student Accounts, it will be reviewed and a credit will be issued to the student's account. The credit will be the total cost of the books offered in the semester the student has decided to opt out. Students who opt out are still required to pay the Educational Resource Fee.

Students wishing to opt-out of eBooks for future semesters will be required to submit an opt-out form during the 2 week period at the start of each corresponding semester

Health Insurance: Students must have health insurance while enrolled at RUSVM. RUSVM provides students with access to an insurance plan through Aetna®. The flat rate fee for Health Insurance for the 2021-2022 academic year is $938.34 per semester. If a student provides proof of comparable private insurance coverage, the requirement to purchase University-sponsored health insurance can be waived.

For additional information regarding total program costs, please refer to the Tuition and Fees schedule available at https://veterinary.rossu.edu/admissions/dvm-admissions/financial-aid/tuition-fees.

LIVING EXPENSES FOR THE PRE-CLINICAL SEMESTERS

Students must plan on the cost of rent and utilities, which will vary based on factors such as location and whether there are roommates. Food and incidental costs must also be budgeted. Students attending first semester may have the option to select on or off-campus housing. The current rate for a single occupancy one-bedroom charge on-campus is $4,235.

Transportation to/from St. Kitts Immigration requires students entering St. Kitts to have a return airline ticket.

DEGREE PROGRAMS–DOCTOR OF VET MEDICINE (continued)

FINANCIAL OBLIGATIONS

Tuition and fees are billed approximately 14 days in advance of each semester and are due the first day of class. Students who have submitted all required financial aid forms and have received a loan approval may have tuition payment deferred until the funds are disbursed from the lender. Students whose financial aid processing remains incomplete, through no fault of their own and/or their co-signer, may register and begin classes but are still held responsible for full payment of all tuition charges. Unless the Office of Student Finance authorizes late payment, all balances must be paid before the start of classes. RUSVM has the right to withhold services and academic certification from a student whose account is overdue.

(Effective Friday, February 5, 2021)
By the act of registration, class attendance, or participation in other activities associated with enrollment at Ross University School of Veterinary Medicine the student accepts financial responsibility for charges assessed to his/her student account. Charges include those for tuition, mandatory fees, clinical charges and penalties (such as late payment fees and fees associated with the cost of collection in the event of a delinquency, among others as outlined in the Tuition and Fees section of the Academic Catalog). This financial responsibility is not relieved until payment has been made for any and all charges incurred.

See Student Handbook for additional fees.

TUITION POLICY ON PRE-CLINICAL FAILED COURSES

Effective September 2017, students who fail one or more classes and repeat coursework in a subsequent semester, will be charged based upon the total credit hours attempted in the repeat semester as follows:

1-4 credits	50% tuition
5-7 credits	75% tuition
8 credits and up	100% tuition

Students will be charged any fees assessed by the clinical affiliate for repeated coursework.

REFUND POLICY FOR WITHDRAWALS

A withdrawal occurs when a student's enrollment is permanently discontinued or interrupted without an authorized leave of absence in accordance with the policies and procedures in the *Student Handbook*. The effective date of withdrawal is normally the date the student notifies the institution of the withdrawal or student's last academically related event attended if available.

Students who totally withdraw from classes may be required to return federal funds for that semester in accordance with the guidelines for Federal Direct Student Aid. For students that have not received financial aid before starting withdrawal procedures, they will be advised in writing of their post-withdrawal eligibility within 30 days of the start of the withdrawal process.

Although a leave of absence may be authorized in limited circumstances, failure to return to school from a leave of absence on the date specified is considered a withdrawal. Any leave of absence must be requested and approved in advance, may not exceed 180 days, and may not be granted within 12 months of a previous leave of absence. An interruption of enrollment status that does not qualify as a leave of absence is considered a withdrawal as of the last date of academically related activity.

DEGREE PROGRAMS–DOCTOR OF VET MEDICINE (continued)

RUSVM's tuition and refund policies in the event of withdrawal are consistent with U.S. federal student financial aid regulations and are based on the period attended:

- If a new student withdraws prior to the start of the first semester, no tuition charges are due; however, the student's acceptance deposit is not refunded. Students residing in the state of Missouri, at the time they pay the acceptance deposit to RUSVM, will receive a refund of all monies paid if the student requests a refund within three (3) days of paying the acceptance deposit, not including Saturdays, Sundays, and holidays. Residents of the state of IA who cancel prior to attendance are eligible for a full refund.
- If a continuing student withdraws prior to the start of a semester, no tuition charges are due for that semester.
- If a student withdraws during the first 60 percent of a semester, tuition charges are directly prorated based on the portion of the semester that has elapsed. As semesters are normally 15 weeks in length, tuition is prorated for withdrawals during weeks 1 through 9.
    - The state of Iowa (Iowa Code Section 714.23) provides the following tuition refund policy exceptions for Iowa residents: If any time, a student terminates a postsecondary educational program due to the student's physical incapacity or, for a program that requires classroom instruction, due to the transfer of the student's spouse's employment to another city, the terminating student shall receive a refund of tuition charges in an amount that equals the amount of tuition charged to the student multiplied by the ratio of the remaining number of calendar days in the school period to the total number of calendar days in the school period.
- If a student withdraws after the first 60 percent of a semester- that is, after completing week 9- the full tuition charges remain due.
    - The state of Iowa (Iowa Code Section 714.23) provides the following tuition refund policy exceptions for Iowa residents: Iowa resident students who withdraw after the 60% in the term due to physical incapacity or spousal employment relocation to another city are entitled under law to a prorated refund of tuition charges all the way up to (but not including) the ending date of the term.

For withdrawal during the first 60 percent of a semester, student loan eligibility is recalculated, and RUSVM and the student are each proportionally responsible for returning "unearned" Stafford loan funds to lenders. In addition to the lender returns required by U.S. federal regulations, RUSVM may return remaining credit balance to lenders, decreasing the student's loan debt for that semester.

FINANCIAL AID

RUSVM understands tuition and financial assistance are important aspects of the education process. The Office of Student Finance provides support to encourage financial responsibility by helping students understand their options for financial assistance and cost-effective living arrangements while studying at RUSVM.

Detailed information on financial aid programs is published in the booklet, *The Financial Planning Guide*. This is available online at https://veterinary.rossu.edu/media/4146/rusvmfinancialaidplanningguide.pdf

Students applying for assistance must submit the application and supporting materials described in *The Financial Planning Guide* by the deadlines indicated. Applications may be completed online.

Typically, students pay for the cost of their veterinary medicine education by combining family resources and student loans from governmental agencies and private sources. Financial aid is available to those who qualify. Approximately, 85 percent of RUSVM students receive some financial assistance.

Application for U.S. Federal Student Aid

Citizens, permanent residents and Eligible Non-Citizens of the United States applying for admission to RUSVM who are interested in obtaining financial aid are encouraged to submit a Free Application for Federal Student Aid (FAFSA®)[1] at www.studentaid.gov. It should be filed at least 90 days in advance of the semester for which they are applying. Details are provided in The Financial Planning Guide. In order to continue to receive student loans, students must meet the Satisfactory Academic Progress standards as defined in the *Student Handbook*. The Office of Student Finance is available to help students understand additional options that may be available including scholarships, non-governmental lenders for loans, etc. It is advisable for all students–including those who have applied for financial aid–to bring sufficient funds with them to cover their initial living and housing expenses in St. Kitts.

DEGREE PROGRAMS–DOCTOR OF VET MEDICINE (continued)

United States citizens, permanent residents and Eligible Non-Citizens attending RUSVM may apply for Federal Direct Loans. Federal direct loans are offered in two forms for Graduate students:

Federal Direct Unsubsidized Loan: This is a non-need-based loan; maximum of $20,500 per two-semester academic year. The interest rate is fixed at 5.28% for 2021-2022.

Direct Graduate PLUS Loan: This is a non-need-based loan for which the student can borrow up to the school's cost of attendance. The interest rate is fixed at 6.28% percent for 2021-2022.

The FAFSA must be filed annually. Repayment on student loans begins six months after a student has dropped below half-time, graduated or, under federal definition, has otherwise ceased to be enrolled. Students who attend RUSVM with outstanding loan obligations for undergraduate or graduate study at other institutions may eligible for an "in-school" deferment(s).

Cancellation and Return of Loan Proceeds
You have the right to reduce/cancel Federal Direct Unsubsidized or Federal Direct Graduate PLUS Loans before or after the loan(s) have been disbursed to the University by the Department of Education. A written request must be sent to the Office of Student Finance requesting that you want to cancel all or part of the disbursement that was credited to your account, and The University will return the canceled loan amount to the Department of Education. You do not have to pay interest or the loan fee on the part of your loan that you request to be canceled within this time-frame.

Canadian Students
Canadian citizens may qualify for private funding sources as well as government resources. Please review the Canadian Financial Planning Guide, available online at https://veterinary.rossu.edu/media/11856/rusvm-canadian-financial-planning-guide.pdf

International Applicant Requirements

Applicants who have completed their undergraduate studies in countries having an educational system different from that of the United States or Canada will be evaluated on their merits but will be expected to have completed a pre-veterinary curriculum including the pre-requisites comparable to U.S. applicants. All required documents, if originally in a foreign language, must be accompanied by a notarized English translation. All transcripts documenting post-secondary course work completed in institutions outside the United States or Canada must also be evaluated by an approved international credential evaluation service.

Veterans' Benefits
Eligible veterans of the United States Armed Forces may use benefits available through the Veterans Benefits Administration to help with their educational costs. Please visit https://benefits.va.gov/gibill for more information.

Veterans utilizing Chapter 31, Vocational Rehabilitation and Employment or Chapter 33, Post 9/11 benefits are permitted to enroll in courses once proof of VA education benefit eligibility is provided. The institution will not impose any penalty, including the assessment of late fees, the denial of access to classes, libraries other institutional facilities or require that a covered individual borrow loans because of the individual's inability to timely meet his or her financial obligations to the institution due to delayed disbursement of funding from the VA under chapter 31 or 33.

Penalties, fees and/or finance-related registration holds may be assessed by the institution if there is an unpaid difference between the amount of the student's financial obligation and the amount of the anticipated or actual VA education benefit disbursement. The student is responsible for charges and fees that are not covered by the Department of Veterans Affairs including but not limited to: the cost of repeat courses that were previously passed, printed books that are not required, admissions fees, screening charges, bookstore orders that are not required for a course, badge replacements, parking fees or other non-institutional charges.

[1] FAFSA® is a registered trademark of the U.S. Department of Education

DEGREE PROGRAMS–DOCTOR OF VET MEDICINE (continued)

SCHOLARSHIPS LAST UPDATED: 7/20/21

HBCU ARTICULATION PARTNER SCHOLARSHIP

Offer: The Ross Vet Articulation Partner Scholarship for Historically Black Colleges and Universities (HBCU), is offered to students who have graduated, or are in the process of graduating, from a signed articulation agreement partner that is recognized as an HBCU.

Award Amount: Total value of the scholarship is equal to one total semester of tuition which is currently $21,603.00. The total scholarship value is a fixed value based on the current tuition rate at the time the student matriculates into Ross Vet. Awards will be given in three equal installments over three total semesters starting with their first semester of enrollment in the Doctor of Veterinary Medicine (DVM) or Vet Prep programs. Students will also be eligible for a $1,000 tuition deposit waiver, housing on campus at no cost (up to a $4,250 value*) for their first semester of enrollment and receive a $1,000 flight credit for their flight to St. Kitts.

Eligibility/Selection Criteria:

- Eligible students must be accepted by the academic admissions committee into Ross Vet's Doctor of Veterinary Medicine first semester or Vet Prep classes.
- Students must meet minimum academic progress requirements, per the student handbook, to continue eligibility for the scholarship.

Number available: There are 10 scholarships available for the 2021-2022 academic school year which includes our September 2021, January 2022, and May 2022 classes. There will be two awards available for the September semester, four awards for the January semester, and four awards for the May semester. Awards will be granted on a first-come-first-served basis.

Procedure to Apply: Eligible students interested in applying for the Ross Vet Articulation Partner Scholarship for Historically Black Colleges and Universities should work directly with the Ross Vet Admissions team. Please email vetadmissions@rossu.edu or call 732-509-3042 for more information. Awards will be granted on a first-come-first-served basis.

HSI ARTICULATION PARTNER SCHOLARSHIP

Offer: The Ross Vet Articulation Partner Scholarship for Hispanic Serving Institutions (APS- HSI), is offered to students who have graduated (or, in the process of graduating) from a signed articulation agreement partner that is recognized as an HSI.

Award Amount: Total value of the scholarship is equal to one total semester of tuition which is currently $21,603.00. Total scholarship value is a fixed value based on the current tuition rate at the time the student matriculates into Ross Vet. Awards will be given in three equal installments over three total semesters starting with their first semester of enrollment in the Doctor of Veterinary Medicine (DVM) .

Students will also be eligible for a $1,000 tuition deposit waiver, housing on campus at no cost (up to a $4,250 value*) for their first semester of enrollment and receive a $1,000 flight credit for their flight to St. Kitts*.

*Not available to residents of Alabama

Eligibility/Selection Criteria:

- Candidates must submit a Completed Application to RUSVM sixty (60) days prior to the class start date, as follows: Fall, Spring and Summer, and have completed the required pre-requisites, bachelor's degree, and admissions interview.
- An overall Grade Point Average of 3.0 or higher.
- A Grade Point Average of 3.0 or higher in all courses designated by RUSVM as pre-requisites of admission.
- No F or D grades in a pre-requisite course designated by RUSVM.
- A score in the 20th percentile or better in each category of the Graduate Record Examination ("GRE") (when the exam is required) and must submit a letter of recommendation from their Pre-Health advisor/science faculty acknowledging their exemplary record of conduct.

DEGREE PROGRAMS–DOCTOR OF VET MEDICINE (continued)

- Eligible students must be accepted by the academic admissions committee into Ross Vet's Doctor of Veterinary Medicine first semester.
- Two (2) letters of recommendation, one letter from an academic instructor, preferably a science instructor, and one letter from a veterinarian familiar with the student's job/volunteer performance.
- A minimum of 150 hours of experience working/volunteering in a professional veterinary practice working with animals or conducting veterinary research. It is preferable that all experience has taken place under the supervision of a practicing veterinarian, but comparable experience may be considered.
- Personal essay indicating applicant interest and experience in veterinary medicine.
- Complete a personal interview with a RUSVM admissions representative.
- Completion of the following pre-requisite coursework:
    - General Biology I & II with Lab
    - General Chemistry I or II with Lab
    - Organic Chemistry I or II with Lab
    - Cell Biology or Genetics
    - Physics I with Lab
    - Pre-calculus, Calculus, or Statistics
    - Biochemistry I with Lab
    - Expository Writing or another writing intensive or English course
- Nine semester hours; one of the courses to meet this requirement must be one of the following:
    - Comparative Anatomy
    - Medical terminology
    - Psychology
    - Microbiology
    - Animal Nutrition
    - Physiology
    - Spanish (or other foreign language)
    - Public Speaking
    - Introduction to Business

Substitutions and/or exceptions are made on a case by case basis at the discretion of the Admissions Dean and Faculty Admissions Committee.

Students must meet minimum academic progress requirements, per the student handbook, to continue eligibility for the scholarship.

Number available: There are five scholarships available for the 2021-2022 academic school year which includes our September 2021, January 2022, and May 2022 classes. There will be two awards available for the September semester, four awards for the January semester, and four awards for the May semester. There will be one award available for the September semester, two awards for the January semester, and two awards for the May semester. Awards will be granted on a first-come-first-served basis.

Procedure to Apply: Eligible students interested in applying for the Ross Vet Articulation Partner Scholarship for Hispanic Serving Institutions (APS-HIS) should work directly with the Ross Vet Admissions team. Please email vetadmissions@rossu.edu or call 732-509-3042 for more information. Awards will be granted on a first-come-first-served basis.

DEGREE PROGRAMS–DOCTOR OF VET MEDICINE (continued)

MANRRS PARTNER SCHOLARSHIP

Offer: Total value of the scholarship is equal to one total semester of tuition which is currently $21,603.00. The total scholarship value is a fixed value based on the current tuition rate at the time the student matriculates into Ross Vet. Awards will be given in three equal installments over three total semesters starting with their first semester of enrollment in the Doctor of Veterinary Medicine (DVM) or Vet Prep programs.

Students will also be eligible for a $1,000 tuition deposit waiver*, housing on campus or in Ross Vet contracted housing at no cost (up to a $4,250 value*) for their first semester of enrollment and receive a 1,000 flight credit* for their flight to St. Kitts.

Eligibility/Selection Criteria:

- To be eligible, students must be a member of their MANRRS chapter for at least one year and submit a letter of recommendation from their Chapter Advisor which must include acknowledgement of length of membership.
- Eligible students must be accepted by the academic admissions committee into Ross Vet's Doctor of Veterinary Medicine first semester or Vet Prep classes.
- Students must meet minimum academic progress requirements, per the student handbook, to continue eligibility for the scholarship.

Number available: There are three scholarships available for the 2021 calendar year which includes our January 2022, May 2022 and September 2022 classes. If the scholarship is not awarded during the semester it may be available in the next semester. The award is given on a first come first serve basis to those who meet the eligibility criteria.

*Not available to residents of Alabama.

Ross Vet is not responsible for any housing needs while not in St. Kitts.

Procedure to Apply: Eligible students interested in applying for the Ross Vet MANRRS Partner Scholarship should work directly with the Ross Vet Admissions team and acquire a letter of recommendation from their MANRRS Chapter Advisor which must include acknowledgement of length of membership. Please email vetadmissions@rossu.edu or call 732-509-3042 for more information. Awards will be granted on a first-come-first-served basis.

ALUMNI BOOK SCHOLARSHIP

Offer: $500 scholarship for books for those who apply for and are not awarded the Alumni Legacy Scholarship.

Eligibility/Selection Criteria:

- Incoming Semester One DVM student at Ross Vet.
- Letter of recommendation and associated email address from a Ross University School of Veterinary Medicine graduate.
- Applicants must hold an offer of admission to Ross Vet for the scholarship to be awarded.
- Submit application materials as noted in the "How to Apply" section below.

Deadlines:

- August 1 deadline for students planning to begin their studies in the September semester.
- December 1 deadline for students planning to begin their studies in the January semester.
- April 1 deadline for students planning to begin their studies in the May semester.

DEGREE PROGRAMS–DOCTOR OF VET MEDICINE (continued)

Procedure to Apply: Email vetadmissions@rossu.edu (subject line: RUSVM Alumni Legacy Scholarship) with the following information and materials:

1. First Name
2. Last Name
3. Address
4. Phone number
5. E-mail Address
6. Undergraduate School
7. GRE Score
8. GPA
9. Semester of Interest
10. Letter of recommendation from a Ross University School of Veterinary Medicine graduate
11. Curriculum Vitae or Resume including related experience

MCGILL ROSS VET SCHOLARSHIP

Offer: The total amount of the vet school scholarship is $2,000 per semester for the first three semesters. Lifetime cap of $6,000.

Eligibility/Selection Criteria:

- Applicant must have completed at least one year (two semesters at a full course load) with McGill University of prerequisite courses and be applying to the Ross Vet DVM degree program directly from McGill.
- Applicant must hold a current letter of admission to Ross Vet.

Procedure to Apply: Ross Vet will review admission application materials and award the scholarship to all eligible students.

Renewal guidelines: Must maintain good standing each semester within the DVM degree program by complying with all academic policies and procedures and remaining current in financial obligations as noted in the RUSVM Student Handbook.

THE ELIZA ANNE GRIER SCHOLARSHIP

Offer: The Eliza Ann Grier Scholarship honors the memory of Dr. Eliza Grier, the first African American licensed to practice medicine in the state of Georgia. The award amount is $2,000 of the tuition cost per semester for a total of $20,000.

Eligibility/Selection Criteria:

- Must possess strong personal qualities of motivation and integrity as well as academic excellence.
- Must be a United States citizen or permanent resident.
- Must be classified as an underrepresented minority (African American, Native American, or Hispanic American).
- Must hold an undergraduate degree.
- Must begin their studies at Ross Vet as a new, first-semester student.
- Must have maintained a minimum overall 3.25 undergraduate grade point average (GPA).
- Must be an accepted student to Ross Vet by the scholarship deadline.

DEGREE PROGRAMS–DOCTOR OF VET MEDICINE (continued)

Awardees are selected based on the strength of their GPA, GRE and letters of recommendation.

Note: Eligibility requirements subject to change without notice. Transfer students and students accepted to Vet Prep are not eligible.

Renewal Criteria:

- Must maintain a minimum 3.0 GPA at Ross Vet to maintain veterinary scholarship award eligibility for each semester.
- The award can be reinstated if a student fails to achieve the minimum GPA in one semester but reaches that level in a future semester.

Procedure to Apply: Download the application here:
https://veterinary.rossu.edu/media/2316/6106-rusvm-eag-scholarship-application.pdf

- August 1 deadline for students planning to begin their studies in the September semester.
- December 1 deadline for students planning to begin their studies in the January semester
- April 1 deadline for students planning to begin their studies in the May semester.

EMPOWER SCHOLARSHIP FUND

Offer: The Empower Scholarship Fund (the Fund) strives to help keep education within reach by providing financial support in the form of scholarships to qualifying students. Scholarships are awarded to current students, especially those with the greatest need and who have established a successful academic track record.

Scholarships available for Ross University School of Veterinary Medicine students:

Spring Application Period

- Dr. Mike Zareski Memorial Scholarship
- Dr. Lanse T. Fox Memorial Scholarship
- PromoVet Veterinary Medicine Scholarship

Fall Application Period

- Dr. Jeremy Buishas Veterinary Scholarship
- Dr. John Coyne Veterinary Scholarship
- Dr. Arlene Rodriguez Veterinary Scholarship
- Kremer Veterinary Services Scholarship
- Blue Buffalo Foundation Scholarship
- The Pet Experts Scholarship

Deadline for Applications: The Fund operates on two applications cycles in the Spring and the Fall. Spring applications are accepted from January 7- March 25, 2022. The application period runs from August 29-October 23, 2022.

Eligibility/Selection Criteria: https://empowerscholarshipfund.org/scholarships

DEGREE PROGRAMS–DOCTOR OF VET MEDICINE (continued)

CLINICAL YEAR GRANT

Offer: Since costs are typically higher for RUSVM students attending clinicals outside the US, and they are not eligible for U.S. Federal Student loans during that time, RUSVM awards a grant totaling either $2,500 or $4,000 to assist with overall expenses while studying abroad.

Eligibility/Selection Criteria: The funds are automatically applied to eligible students accounts for one full semester – during semesters 8-10 – for currently enrolled RUSVM students attending an international clinical affiliate in Australia, New Zealand, or Europe. The $2,500 grant is awarded to students attending clinicals in Europe. The $4,000 grant is awarded to students attending clinicals in Australia or New Zealand.

Learn More About Scholarships
Ross University School of Veterinary Medicine
Office of Admissions
630 US Highway 1, Suite 2031
North Brunswick, NJ, 08902
Phone: +1-855-ROSS-VET (855-767-7838)
veterinary.rossu.edu
veterinary.rossu.edu/admissions/dvm-admissions/scholarships
Email: vetadmissions@Rossu.edu
Fax: +1-869-465-1203

DEGREE PROGRAMS–DOCTOR OF VET MEDICINE (continued)

ACADEMIC POLICIES AND PROCEDURES

REGISTRATION OF NEW STUDENTS

New students will be automatically registered for all required courses except for electives, which can be registered for using the myRoss web self-service tool available at myross.rossu.edu. In addition, students must check-in in person on the St. Kitts campus during orientation. Students must present a valid passport as identification in order to receive an official RUSVM student identification card. No unregistered student will be admitted to classes.

Students arriving after orientation will not be permitted to check in for the semester, and any financial aid disbursements received by RUSVM will be returned to the lender.

A new student's enrollment is conditional upon submission of all documentation required for admission. Any missing documentation that is specified in the offer of admission must be submitted to the Office of the Registrar by the end of the first semester. If the documentation is not received within that time, the student will be subject to administrative withdrawal and may lose the privilege of registering for a subsequent semester.

On the first day of class, tuition and fees must be paid in full unless the Director of Student Finance grants an exception based on one of the following:

- RUSVM has received documentary evidence, satisfactory to the Director of Student Finance, indicating that payment is guaranteed and that the full tuition and fees will be paid within 30 days from the beginning of the semester.
- The Director of Student Finance has authorized delayed payment pursuant to a written and signed agreement that requires payment of the full tuition and fees no later than the beginning of the fifth week of the semester. In the event that payment terms are not met, RUSVM reserves the right to annul registration in which case the student will not receive academic credit for that semester.

GRADING SYSTEM

RUSVM's Pre-clinical program grading system is as follows:

GRADE	RATING	GRADE RANGE	GPA
A	Excellent	90% or higher	4.0
B+	Very Good	86.50 - 89.49%	3.5
B	Good	79.50 - 86.49%	3.0
C+	Average	76.50 – 79.49%	2.5
C	Passing	69.50 – 76.49%	2.0
F	Failing	Below 00.00– 69.49%	0.0

Students are evaluated based on the following criteria:

- Classroom and laboratory examinations;
- Completion of assignments;
- Class and laboratory participation;
- Academic and professional honesty; and
- Professional and Technical Standards

Evaluations during clinical training include assessment of the student's level of knowledge and ability to apply it to clinical problems, as well as attitude and performance. Students should consistently demonstrate those characteristics considered desirable in a good veterinarian: problem-solving ability, reliability, judgment, and interpersonal and communication skills.

DEGREE PROGRAMS–DOCTOR OF VET MEDICINE (continued)

Effective December 2017, RUSVM's Clinical Program grading system was changed to incorporate the grading nuances of the Clinical Affiliates in the U.S., Canada and internationally. Effective January 2021, RUSVM will phase in recording clinical course grades as pass/fail on the RUSVM official transcript. See the Student Handbook for additional information. Clinical grades are not included in cumulative GPA calculation; calculation of cumulative GPA is based on pre-clinical work coursework only. The clinical grading scales, showing "Transcript Grades" that are being phased in starting January 2021, are as follows:

INTERNATIONAL AFFILIATE CLINICAL GRADE SCALE

AFFILIATE	CODE	DESCRIPTION	TRANSCRIPT GRADE	GPA
Dublin	AI+	A+	P	NO GPA
Dublin, Melbourne	AI	A	P	NO GPA
Dublin	AI-	A-	P	NO GPA
Dublin	BI+	B+	P	NO GPA
Dublin, Melbourne	BI	B	P	NO GPA
Dublin	BI-	B-	P	NO GPA
Dublin	CI+	C+	P	NO GPA
Dublin, Melbourne	CI	C	P	NO GPA
Dublin	CI-	C-	P	NO GPA
Dublin	DI+	D+	P	NO GPA
Dublin, Melbourne	DI	D	P	NO GPA
Dublin	DI-	D-	P	NO GPA
Dublin, Massey, Melbourne, Murdock	FI	Fail	F*	NO GPA
Sydney	FAI	Fail	F*	NO GPA
Dublin, Massey, Melbourne, Murdock, WCVM	PI	Pass	P	NO GPA
Sydney	PSI	Pass	P	NO GPA
Dublin, Massey, Melbourne, Murdock, WCVM	SI	Satisfactory	P	NO GPA
Dublin, Melbourne, WCVM, Royal	UI	Unsatisfactory	F*	NO GPA
Murdock	UPI	Ungraded Pass	P	NO GPA
Murdock	UFI	Ungraded Fail	F*	NO GPA
Sydney	AFI	Absent Fail	F*	NO GPA
Murdock, Sydney	CRI	Credit	P	NO GPA
Sydney	CNI	Cancelled	No Grade	NO GPA
Sydney	DCI	Discontinued. Not included as failure	No Grade	NO GPA
Murdock, Sydney	DSI	Distinction	P	NO GPA
Murdock	DNSI	Failed Components	F*	NO GPA
Massey	GI	Good	P	NO GPA
Murdock, Sydney	HDI	High Distinction	P	NO GPA
Massey	MI	Marginal	P	NO GPA
Massey	XI	Excellent	P	NO GPA

DEGREE PROGRAMS–DOCTOR OF VET MEDICINE (continued)

U.S. & Canada CLINICAL GRADE SCALE			
LETTER CODE	**PERCENTAGE**	**TRANSCRIPT GRADE**	**GPA**
A+	100% or more	P	NO GPA
A	93%-99%	P	NO GPA
A-	=90%-92%	P	NO GPA
B+	87%-89%	P	NO GPA
B	83%-86%	P	NO GPA
B-	80%-82%	P	NO GPA
C+	77%-79%	P	NO GPA
C	73%-76%	P	NO GPA
C-	70%-72%	P	NO GPA
D+	67%-69%	F*	NO GPA
DP	63%-66%	F*	NO GPA
D-	60%-62%	F*	NO GPA
DF	60%-69%	F*	NO GPA
F	0%-59%	F*	NO GPA
S	N/A	P	NO GPA
U	N/A	F*	NO GPA

*F = Failure with no impact on semester or cumulative GPA

EXAMINATIONS

Examinations are considered an integral part of the learning process and are designed to emphasize important concepts and develop problem-solving abilities. Each course instructor determines the format of quizzes, examinations and assignments. All courses included in the calculation of a student's GPA include a final examination.

Academic Standing

Students maintain good academic standing by complying with all academic policies and procedures and remaining current in financial obligations. RUSVM reserves the right to withhold services, transcripts and grades from students who are not in good academic standing. To remain in good academic standing, students must maintain a cumulative GPA of 2.0 or higher.

No semester can be repeated more than once, and no more than two semesters can be repeated.

The full academic policies can be found in the *Student Handbook*. The *Student Handbook* provides information on withdrawals, dismissals, academic standings, as well as information on professional conduct.

DEGREE PROGRAMS–DOCTOR OF VET MEDICINE (continued)

DEGREE REQUIREMENTS

In order to be eligible to receive the degree of DVM from RUSVM, a student must have met the following requirements:

- Successful completion of all Pre-clinical courses and clinical training required by the curriculum.
- Has met the GPA requirements and other academic requirements for academic advancement.
- For transfer students, successful completion of at least seven semesters as a RUSVM student
- Payment of all fees and charges owed to RUSVM.
- Completion of a review of academic documents (e.g. transcripts), as well as an academic and financial aid exit interview.
- Clearance of the Office of the Registrar's degree audit.

TRANSCRIPT REQUESTS

Official transcripts are available through Parchment at: https://www.parchment.com/u/registration/36997148/account. Transcript requests cannot be taken over the telephone or via email. Official transcripts may not be released until all financial obligations to RUSVM have been met. Students may view or print an unofficial transcript online through myRoss.

COMMENCEMENT

Commencement exercises are held each May. Due to RUSVM's three-semester-per-year schedule, students have the opportunity to complete their requirements for the DVM degree at three different points throughout the year. Consequently, they will be considered RUSVM graduates upon degree audit clearance for one of the three prescribed graduation dates. Diplomas will be released after all outstanding balances and administrative documents have been received.

LICENSURE REQUIREMENTS

A requirement for licensure in the United States is passing the North American Veterinary Licensing Examination® (NAVLE). Information on this examination is available at the National Board of Veterinary Medical Examiners® (NBVME) website at www.nbvme.org.

In order to become licensed as a veterinarian in the United States, a student graduating from an American Veterinary Medical Association Council on Education (AVMA-COE) accredited program must pass the NAVLE and meet the requirements of the state/territory they wish to practice. Each state has different requirements. To view the requirements of each state's veterinary medical board, please refer to the American Association of Veterinary State Boards (AAVSB) website at www.aavsb.org and then click on the *Board and Agency Directory* link.

In order to become licensed as a veterinarian in Canada, a student graduating from an AVMA-COE accredited program must pass the NAVLE. Additional information on becoming licensed in Canada is available at www.canadianveterinarians.net/resources/national-examining-board.

RUSVM DVM graduates may be eligible to practice veterinary medicine in other international locations. Check the country specific veterinary regulatory information for international licensure information.

CURRICULUM

In RUSVM's clinical curriculum, each subject area receives comprehensive, in-depth coverage commensurate with contemporary veterinary educational trends. The curriculum provides clinical correlation and examples of clinical relevance throughout the instructional program.

RUSVM contracts with AVMA-COE accredited schools and colleges of veterinary medicine in the United States, Canada, Ireland, UK, and New Zealand, to provide the Clinical Training curriculum for its students.

RUSVM is not liable for course equivalency for a RUSVM student transferring to another institution. RUSVM course equivalency for other institutions is solely determined by the institution to which a RUSVM student transfers.

DEGREE PROGRAMS–DOCTOR OF VET MEDICINE (continued)

PRE-CLINICAL CURRICULUM & COURSE DESCRIPTIONS

2020 AND BEYOND

Curriculum information for those students expected to graduate after 2020.

SEMESTER	COURSE NO.	COURSE TITLE	CREDITS
One	VMI 5102	Veterinary Professional Foundations I	1
	VMI 5112	Essential Veterinary Skills 1	1
	VMS 5111	Microscopic Anatomy and Embryology	4
	VMA 5113	Gross Anatomy I	4
	VMA 5114	Principles of Infectious Diseases	2
	VPP 5123	Physiology I	4
	VMR 5132	Principles of Veterinary Research	1
Two	VMI 5212	Essential Veterinary Skills 2	1
	VMA 5216	Gross Anatomy II	4.5
	VPP 5223	Physiology II	4
	VMP 5253	Immunology	3
	VMP 5265	Parasitology	3.5
	VMP 5252	Clinical Reasoning Skills I	1
Three	VMI 5312	Essential Veterinary Skills 3	1
	VPP 5431	Applied Animal Nutrition	3
	VPA 5341	Pathology I	4
	VMP 5351	Bacteriology and Mycology	3
	VPP 5355	Virology	3
	VMP 5352	Clinical Reasoning Skills II	1
Four	VMI 5412	Essential Veterinary Skills 4	1
	VPP 5431	Applied Animal Nutrition	3
	VPA 5443	Pathology II	5
	VPA 5448	Clinical Pathology	6
	VPP 5334	Pharmacology	5
	VMS 5475	Veterinary Public Health	3.5
Five	VMI 5512	Essential Veterinary Skills 5	1
	VPP 5538	Toxicology	3
	VMS 5573	Diagnostic Imaging	4
	VMS 5577	Anesthesiology	4
	VMS 5585	Small Animal Medicine I	7

DEGREE PROGRAMS–DOCTOR OF VET MEDICINE (continued)

SEMESTER	COURSE NO.	COURSE TITLE	CREDITS
Six	VMI 5612	Essential Veterinary Skills 6	1
	VMS 5698	Avian and Exotic Animal Medicine	2
	VMS 5649	Small Animal Surgery	4
	VMS 5650	Surgery Laboratory I	2
	VMS 5687	Small Animal Medicine II	5
	VMS 5690	Large Animal Medicine I	5
Seven	VMS 5775	Theriogenology	4
	VMS 5783	Essential Veterinary Skills 7	2
	VMS 5793	Large Animal Medicine II	5
	VMS 5795	Large Animal Surgery	4
	VMS 5796	Surgery Laboratory II	2
	VMI 5704	Veterinary Professional Foundations II	1
	VLE 5701	Licensing Examination Preparation	2

Pre-clinical Course Descriptions

Semester 1

VMI 5102

VETERINARY PROFESSIONAL FOUNDATIONS I (1 CREDIT)

Provides entry-level DVM students with a strong grounding in professional skills. Students will be supported in developing core competencies, which contribute to success as a member of the veterinary profession. Topics include: communication skills, ethical decision-making, professionalism, financial planning, information seeking diversity, and multicultural awareness and goal setting.

VMI 5112

ESSENTIAL VETERINARY SKILLS 1 (1 CREDIT)

A practical course providing multi-species instruction in foundational skills (animal handling and examination, hand skills, communication, professionalism) in a vertically-integrated fashion that builds in complexity over multiple semesters using live animal handling and examination as well as model and simulation-based experiences. Course continues through Semesters 1-7.

VMA 5111

MICROSCOPIC ANATOMY AND EMBRYOLOGY (4 CREDITS)

Concentrates on the study of cell biology, cell physiology and the microscopic structure of cells, tissues, and organs of domestic animals. Students use dual-viewing microscopes and digital images in laboratories to study the structure of basic tissue types and their integration into organs and organ systems. The lectures correlate microscopic and gross anatomy with function and development of organ systems. Selected embryology topics focus attention on common developmental anomalies encountered by veterinarians.

DEGREE PROGRAMS–DOCTOR OF VET MEDICINE (continued)

VMA 5113

GROSS ANATOMY (4 CREDITS)

Focuses on the comparative gross anatomy of domestic animals including canine, equine and ruminant, with minor emphasis on feline and porcine. Laboratories utilize embalmed canine cadavers for dissections. Prosections are used for other species. Also integrated into the course are normal radiographic anatomy, and instrument handling labs. The lectures provide overviews of the main concepts or hard-to-explain details. Topics covered in the first semester include osteology and muscle systems of the limbs, anatomy of the thorax and abdomen and nervous system.

VMA 5114

PRINCIPLES OF INFECTIOUS DISEASES (2 CREDITS)

Focuses on the fundamentals of microbiological pathogens and infectious disease principles, in preparation for subsequent courses in bacteriology and mycology, virology, and parasitology. The topics covered will include basic overviews of what defines pathogens as compared to normal flora, virulence components and pathogenicity, host defenses against pathogens, immune evasion strategies of infectious agents, importance of vectors and reservoirs in disease transmission, zoonoses, herd health and preventative strategies, microbial genetics, and clinical microbiology and diagnostic methodologies. Throughout the course, students will be exposed to RUSVM research faculty who actively investigate infectious diseases and can offer additional research opportunities.

VPP 5123

PHYSIOLOGY I (4 CREDITS)

Focuses on neurologic and muscular physiology, with particular emphasis on neurotransmitters, and the behavior of membrane receptors and channels. Cardiovascular physiology, with particular emphasis on the electrical and mechanical activities of the heart, blood pressure and trans-capillary transport; blood, with special emphasis on the formation and function of the formed elements as well as the removal of old and worn out red blood cells from the circulation; coagulation and anti-coagulation mechanisms. Respiratory physiology.

VMR 5132

PRINCIPLES OF RESEARCH (1 CREDIT)

Designed to help students learn about fundamentals of research, including experimental planning and design, research bias, alternatives to animal use and animal welfare, the One Health concept, granting agencies, the components of grant writing and review process, types of research, IACUC, IRB, post-award considerations, how to conduct a research project, analysis of data and interpretation of experimental results, types of data presentations, manuscript preparation, critical evaluation of the scientific literature and on-line resources, and how this knowledge is used in the practice of evidence-based medicine. Students are exposed to active RUSVM research faculty and student research associates throughout the course.

DEGREE PROGRAMS–DOCTOR OF VET MEDICINE (continued)

Semester 2

VMI 5212

ESSENTIAL VETERINARY SKILLS 2 (1 CREDIT)

A practical course providing multi-species instruction in foundational skills (animal handling and examination, hand skills, communication, professionalism) in a vertically-integrated fashion that builds in complexity over multiple semesters using live animal handling and examination as well as model and simulation-based experiences. Course continues through Semesters 1-6.

VMA 5216

GROSS ANATOMY II (4.5 CREDITS)

Continues the Gross Anatomy I course. Comparative gross anatomy of the domestic animals focusing on canine, equine and ruminant as well as the avian species, with minor emphasis on the feline and porcine. Laboratories utilize embalmed canine cadavers for dissections. Prosections are used for other species. Also integrated into the course are normal radiographic anatomy. Topics covered in the second semester include anatomy of the pelvic cavity/reproductive tract, innervation and vasculature of the limbs, anatomy of the head/neck, avian anatomy and a clinical neuroanatomy component.

VPP 5223

PHYSIOLOGY II (4 CREDITS)

Focuses on renal and acid-base physiology; the gastrointestinal system, with emphasis on mechanisms and control of exocrine and endocrine secretions; the endocrine system, with emphasis on regulation of carbohydrate, fat and protein metabolism; and the reproductive system, including pregnancy and neonatal physiology.

VMP 5253

IMMUNOLOGY (3 CREDITS)

Covers basic defense mechanisms, diseases of the immune system and the role of immunity in diseases of domestic animals. Serological and other immunological tests, and their application in laboratory diagnosis of diseases, are covered.

VMP 5265

PARASITOLOGY (3.5 CREDITS)

Emphasizes major parasite taxonomic groups by host species. Helminthic, arthropod and protozoan parasites that affect domestic animals in North America are covered. Lectures are organized by host species and stress parasite identification, life cycles, pathogenesis and lesions, clinical signs, diagnosis and prevention and treatment of parasites. Laboratories focus on identification of the parasites and lesions they produce. Lectures and laboratories are integrated to achieve course objectives.

VMP 5252

CLINICAL REASONING SKILLS I (1 CREDIT)

Using a case-based approach this course integrates basic and clinical sciences by incorporating conditions commonly seen in the practice of veterinary medicine to emphasize topics of anatomy, immunology, physiology, parasitology and infectious diseases. Students progressively enhance their critical thinking and problem-solving skills as they generate problem lists, formulate differential diagnoses, and develop diagnostic plans. Course continues through Semesters 2-5.

DEGREE PROGRAMS–DOCTOR OF VET MEDICINE (continued)

Semester 3

VMI 5312

ESSENTIAL VETERINARY SKILLS 3 (1 CREDIT)

A practical course providing multi-species instruction in foundational skills (animal handling and examination, hand skills, communication, professionalism) in a vertically-integrated fashion that builds in complexity over multiple semesters using live animal handling and examination as well as model and simulation-based experiences. Course continues through Semesters 1-6.

VPP 5431

APPLIED ANIMAL NUTRITION (3 CREDITS)

This course reviews the basic feed constituents, energy, protein, fiber, minerals and vitamins; concepts in feed labeling; the characteristics of feeds used in animal feeding; animal management; and feeding guidelines for cats, dogs, cattle, small ruminants, horses and swine. The course incorporates real-life case examples and a few out-of-class assignments to reinforce important concepts.

VPA 5341

PATHOLOGY I (4 CREDITS)

Introduces the terminology of disease, mechanisms of disease from both causal and tissue-response aspects, systemic pathology based on etiopathogenesis, and gross and microscopic appearance of lesions. Lectures, histopathology slides (real and virtual), necropsies and abattoir specimens are employed.

VMP 5351

BACTERIOLOGY AND MYCOLOGY (3 CREDITS)

Concentrates on diseases in domestic animals caused by pathogenic bacteria and fungi. Lectures emphasize basic properties of microorganisms, including identification and pathogenesis. Laboratory instruction includes basic bacteriology/mycology laboratory techniques, with hands-on application of identifying those organisms in the form of standard staining and microscope techniques, plating of cultures and simple methods of identification of bacteria.

VMP 5355

VIROLOGY (3 CREDITS)

Covers the basic properties of animal viruses including classification, genetics, pathogenesis and diagnosis of viral diseases using laboratory methods. Control and prevention of viral diseases are discussed.

VMP 5352

CLINICAL REASONING SKILLS II (1 CREDIT)

Using a case-based approach this course integrates basic and clinical sciences by incorporating conditions commonly seen in the practice of veterinary medicine to emphasize topics of anatomy, immunology, physiology, parasitology and infectious diseases. Students progressively enhance their critical thinking and problem-solving skills as they generate problem lists, formulate differential diagnoses, and develop diagnostic plans. Course continues through Semesters 2-5.

DEGREE PROGRAMS–DOCTOR OF VET MEDICINE (continued)

Semester 4

VMI 5412

ESSENTIAL VETERINARY SKILLS 4 (1 CREDIT)

A practical course providing multi-species instruction in foundational skills (animal handling and examination, hand skills, communication, professionalism) in a vertically-integrated fashion that builds in complexity over multiple semesters using live animal handling and examination as well as model and simulation-based experiences. Course continues through Semesters 1-6.

VPP 5431

APPLIED ANIMAL NUTRITION (3 CREDITS)

This course reviews the basic feed constituents, energy, protein, fiber, minerals and vitamins; concepts in feed labeling; the characteristics of feeds used in animal feeding; animal management; and feeding guidelines for cats, dogs, cattle, small ruminants, horses and swine. The course incorporates real-life case examples and a few out-of-class assignments to reinforce important concepts.

VPA 5443

PATHOLOGY II (5 CREDITS)

Continues systemic pathology of food and companion animals. Disorders are categorized by organ system emphasizing etiopathogenesis, gross and microscopic lesions, and sequelae. Lectures, histopathology slides (real and virtual), necropsies and abattoir specimens are employed.

VPA 5448

CLINICAL PATHOLOGY (6 CREDITS)

Students learn how to use laboratory data to make a diagnosis. They are expected to understand the underlying pathophysiology of laboratory abnormalities, understand how tests are selected, the technology used to generate data, and most importantly, how to interpret and integrate test results, including hematology, cytopathology, and clinical biochemistry.

VMS 5475

VETERINARY PUBLIC HEALTH (3.5 CREDITS)

Provides students with the fundamentals of epidemiologic theory as a means of understanding how epidemiology can be used in veterinary medicine. Introduces the concepts of emerging infectious diseases, bioterrorism and disaster medicine, as well as the epidemiology of various zoonotic diseases. Important aspects of public health such as milk hygiene, humane slaughter, meat inspection and food-borne diseases are also discussed.

VPP 5334

PHARMACOLOGY (5 CREDITS)

Focuses on general principles of pharmacology, together with drugs acting on the autonomic and central nervous systems, muscle relaxants, local anesthetics and nonsteroidal anti-inflammatory drugs.

DEGREE PROGRAMS–DOCTOR OF VET MEDICINE (continued)

Semester 5

VMI 5512

ESSENTIAL VETERINARY SKILLS 5 (1 CREDIT)

A practical course providing multi-species instruction in foundational skills (animal handling and examination, hand skills, communication, professionalism) in a vertically-integrated fashion that builds in complexity over multiple semesters using live animal handling and examination as well as model and simulation-based experiences. Course continues through Semesters 1-6.

VPP 5538

TOXICOLOGY (3 CREDITS)

Studies toxicants and poisonous plants of significance to livestock and companion animals, including their source, properties, toxicity, toxicokinetics, mechanism of toxicologic damage, detection, diagnosis and treatment.

VMS 5573

DIAGNOSTIC IMAGING (4 CREDITS)

Provides an overview of the physics of diagnostic radiology, the principles of veterinary radiography and quality control of radiographs. Normal radiographic findings and anatomy in small animals plus radiographic features and patterns as they relate to diseases are also covered. An introduction to equine radiography and diagnostic ultrasound is included, along with an introduction to alternate imaging techniques.

VMS 5577

ANESTHESIOLOGY (4 CREDITS)

Introduces the principles of general and local anesthesia of small and large animals. The etiology, diagnosis and treatment of fluid and acid-base disorders are discussed, as well as the recognition, treatment and prevention of anesthetic emergencies. Laboratory sessions provide students with experience in small animal anesthesia, in addition to demonstrations of monitoring equipment, mechanical ventilation and large animal general anesthesia.

VMS 5585

SMALL ANIMAL MEDICINE I (7 CREDITS)

Focuses on disorders of the cardiovascular, endocrine and neurological systems as well as selected infectious diseases. The important conditions of dogs and cats are discussed according to their pathophysiology, clinical signs, diagnosis, differential diagnoses, treatment and prognosis.

DEGREE PROGRAMS–DOCTOR OF VET MEDICINE (continued)

Semester 6

VMI 5612

ESSENTIAL VETERINARY SKILLS 6 (1 CREDIT)

A practical course providing multi-species instruction in foundational skills (animal handling and examination, hand skills, communication, professionalism) in a vertically-integrated fashion that builds in complexity over multiple semesters using live animal handling and examination as well as model and simulation-based experiences. Course continues through Semesters 1-6.

VMS 5698

AVIAN AND EXOTIC ANIMAL MEDICINE (2 CREDITS)

Allows students to gain insight into the roles and responsibilities of veterinarians with respect to diseases, husbandry, surgery and medicine, as well as aspects related to public health in the context of pet birds and non-traditional species, including reptiles, rodents, ferrets and rabbits.

VMS 5649

SMALL ANIMAL SURGERY (4 CREDITS)

Focuses on the major pathophysiologic changes, diagnostic procedures and treatments of surgical diseases and conditions of the dog and cat. Emphasis will be on the integration and utilization of this information in clinical decision-making. Instruction is based on lectures and reading assignments.

VMS 5650

SURGERY LABORATORY I (2 CREDITS)

Comprises one laboratory period and one hour of lecture or discussion each week. The laboratories cover aseptic technique, instrument handling, surgical knots and suturing, as well as bandaging and cast application in multiple species. A review of anesthesia is conducted and a competency examination is administered. Students must also demonstrate competency during a practical examination, using the ROSSIE model of canine ovariohysterectomy. Students must pass these competency examinations to pass the course. Additional practice hours are available in the Clinical Skills Laboratory throughout the semester. This is a pass/fail course.

VMS 5687

SMALL ANIMAL MEDICINE II (5 CREDITS)

Utilizes a problem-oriented approach to study common diseases of the eyes, kidneys, urinary tract, skin, gastrointestinal tract, liver, pancreas, respiratory system and blood as well as basic oncology for dogs and cats. Knowledge will be built on Pre-clinical studies such as anatomy, physiology and pathophysiology and will draw heavily on clinical pathology, pharmacology and toxicology. Medical diseases are arranged to coincide chronologically with surgical diseases of the same systems being taught in Small Animal Surgery.

VMS 5690

LARGE ANIMAL MEDICINE I (5 CREDITS)

Using a problem-oriented approach, the course focuses on the examination and diagnosis of diseases of particular relevance to the horse. The etiology, epidemiology, pathogenesis, clinical signs, clinical pathology, diagnosis therapy and control of diseases of horses are discussed. As much as possible systems are arranged to coincide chronologically with Small Animal Medicine and Small Animal Surgery.

DEGREE PROGRAMS–DOCTOR OF VET MEDICINE (continued)

Semester 7

VMS 5775

THERIOGENOLOGY (4 CREDITS)

Integrates reproductive pathology, endocrinology, physiology, and pharmacology as they apply to the clinical diagnosis, treatment and prevention of reproductive disorders in domestic animals. Breeding soundness evaluation of males and females is also covered. By the end of the course, the student should be able to approach an obstetrical situation in any of the domestic animal species with the necessary background to diagnose, manage and resolve the condition. Students are also introduced to procedures and technologies used in pregnancy diagnosis, artificial insemination, and semen collection and evaluation.

VMS 5783

INTRODUCTION TO CLINICS (2 CREDITS)

Focuses on the techniques necessary to obtain clinical data, with emphasis on thorough physical examination and problem-oriented veterinary medical records. Clinical practical sessions utilize referral and general appointment cases. Students gain experience in common veterinary diagnostic techniques. Mandatory rotations include: equine, bovine 1 & 2, small animal clinics, emergency, clinical pathology, and grand rounds. Elective rotations include: small animal surgery, anesthesiology, communications, animal behavior, theriogenology, rehabilitation therapy, acupuncture, diagnostic imaging, advanced clinics, primate research, dentistry, ambulatory.

VMS 5793

LARGE ANIMAL MEDICINE II (5 CREDITS)

Focuses on the recognition, treatment and prevention of diseases of food-producing animals and camelids. The etiology, epidemiology, pathogenesis, clinical signs, clinical pathology, diagnosis, therapy and control of diseases of food producing animals are discussed. Management of the herd unit is emphasized.

VMS 5795

ESSENTIAL VETERINARY SKILLS 7 (4 CREDITS)

Focuses on surgery of farm animals, with emphasis on cattle and horses. In cattle, the alimentary, locomotor and reproductive systems are covered in detail. In the horse, the healing and treatment of wounds, lameness, dentistry, colic and the respiratory, urinary, male and female reproductive systems are covered.

VMS 5796

SURGERY LABORATORY II (2 CREDITS)

Provides training in preoperative planning, anesthesia, surgical techniques, operating room decision-making, and postoperative care via supervised procedures. Students entering this course should have a thorough knowledge of anatomy, physiology and pharmacology, as well as basic surgical skills and anesthesiology.

DEGREE PROGRAMS–DOCTOR OF VET MEDICINE (continued)

VMI 5704

VETERINARY PROFESSIONAL FOUNDATIONS II (1 CREDIT)

Provides an introduction to the subjects of veterinary professional ethics, law and business management relating to veterinary practice. Students are made aware of laws and regulations that control various aspects of veterinary medicine as well as the legal obligations involved in veterinary practice. Students are also given information concerning their career as a veterinarian that includes employment options within the profession, preparation of a resume, negotiating an employment contract, and options for internships and residencies. The importance of communication skills within veterinary practice is emphasized.

VLE 5701

LICENSING EXAMINATION PREPARATION (2 CREDITS)

This course provides opportunities to practice test- taking skills and enhance confidence necessary to take computer-based veterinary licensing exams. This course utilizes a flipped classroom delivery in which participants review material and complete online multiple-choice practice tests. Instructors lead weekly review sessions targeting selected topics.

DEGREE PROGRAMS–DOCTOR OF VET MEDICINE (continued)

Elective Courses

V1PG 0146B (2 CREDITS)

DISASTER MANAGEMENT

This elective course provides knowledge of hazard and risk assessment; types of disasters, disaster planning and management, agencies involved in disaster management and their respective roles. The course also involves knowledge and practical application of the Incident Command System. Through discussions, case studies and a table top exercise, candidates will have the opportunity to examine lessons learnt from previous disasters as well as disaster preparation. No prerequisite.

V1PG 0140 (1 CREDITS)

ONE HEALTH & SYSTEMS APPROACH

In this course, One Health will be defined and placed in an historical context. The meaning of using a One Health approach to research, policy, development and other aspects of animal, human and environmental health will be explored with current One Health advocates describing how they use One Health within their work. The complexity of One Health and the need for a systems approach to addressing animal, environmental and human health issues will be discussed using current literature and case examples. The importance of collaborations, networks and teams in implementing One Health approaches also will be stressed. Short videos and assigned reading material will be supplemented with discussions. Participation in the discussions is a key component of this course.

VMB 5001

INTRODUCTION TO SEA TURTLE MEDICINE (1 CREDIT)

This course covers sea turtle natural history and biology, provides an understanding of the husbandry, nutrition, diagnostics, therapeutics, anesthesia, surgery, emerging diseases, mortality events and current ongoing research as they relate to sea turtles. The course includes an overview of the most common conditions requiring treatment seen in sea turtles, and recommendations for designing an effective and feasible treatment plan. Discussions will focus on recently published peer-reviewed research focused on sea turtle management and medicine. This elective course is offered once per year, during the Summer semester.
Offered to Semesters 4-7.

VMR 5011/22/33/44/55 (1-5 CREDITS)

SPECIAL TOPICS IN RESEARCH

Students are introduced to various research experiences ranging from involvement in an approved intramural and/or extramural research project on campus, working with RUSVM faculty, to working several weeks or months at another institution, program or field investigation. Special topics are selected based on their research credibility and planned outputs. The level of involvement varies with the project, length of commitment and the student's desires. This impacts the number of credits assigned in advance for the special topics electives.

VMP 5001 (1 CREDIT)

PARASITIC ZOONOSES (1 CREDIT)

The course covers major animal parasites of zoonotic potentials. It focuses water-borne, meat-borne, vector-borne, fish-borne, snailborne, crustacean-borne and plant-borne parasites. It also covers parasites causing larva migrans. Clinical manifestations, diagnosis, epidemiology of human disease and One Health approach for control and management for model parasites are discussed.

DEGREE PROGRAMS–DOCTOR OF VET MEDICINE (continued)

VMS 5001

INTRO TO SHELTER MEDICINE (1 CREDIT)

To provide students with an understanding of the vital role that veterinarians play in the overall health and well-being of shelter animals, as well as the importance of population medicine. Students will become familiar with medical and behavioral health and well-being of shelter animals, control of infectious disease, zoonotic diseases and public health, spay/neuter programs, the veterinarian's role in animal cruelty and neglect cases, veterinary forensics, and disaster preparedness and community education

VMS 5384

INTRODUCTION TO VETERINARY ANIMAL BEHAVIOR (1 CREDIT)

Introduces the principles of animal learning, and the application of behavior-modification techniques based on these principles. Includes an overview of the most common behavioral problems seen in companion animals and current treatment recommendations, designing an effective and feasible treatment plan, and integrating behavior into your practice. *Offered to Semesters 2-7*

VMS 5390

BASIS OF ANIMAL PRODUCTION (1 CREDIT)

This elective course covers the basic notions on animal production, specifically the major characteristics regarding husbandry and management in the different food-producing animals: Poultry, Swine, Dairy and Beef cattle, Sheep, Goat, and unconventional species. The course includes an overview on how different production systems work, what are their main characteristics and their productive cycle year-round and will also address existing differences between animal production systems. The elective will confer the students with animal production knowledge that will be of high importance to other courses like Theriogenology or Animal Nutrition. *Offered to Semesters 2-7.*

VMS 5498

LAB ANIMAL MEDICINE I (1 CREDIT)

Introduction to the field of laboratory animal medicine and science including: ethical use of laboratory animals in biomedical research and teaching, careers in laboratory animal medicine, husbandry and management of vivaria – the GUIDE, and information specific to rats, mice, hamsters, gerbils, guinea pigs, rabbits, nonhuman primates, ferrets, sheep, pigs and zebrafish.
Offered to Semesters 2-7.

VMS 5499

LAB ANIMAL MEDICINE II (1 CREDIT)

Course provides an in-depth study into the field of laboratory animal medicine and science building upon the foundations of Lab Animal Medicine I. *Offered to Semesters 3-7.*

VMS 5531

CLINICAL NUTRITION (1 CREDIT)

This course is an introduction to the concepts of canine and feline clinical nutrition. *Offered to Semesters 5-6.*

DEGREE PROGRAMS–DOCTOR OF VET MEDICINE (continued)

VAM 5001

AQUATIC VETERINARY MEDICINE I (1 CREDIT)

The course will provide the students with a general understanding of aquaculture practices and instill the importance, and real need, for veterinarians to have aquatic veterinary medical knowledge, skills and experience in order to be able to assist with the increasing demands put on aquaculture and related industries (ornamental etc.) globally. AVM-1 will focus more on Pre-clinical areas, such as the aquaculture industry, the aquatic environment, aquatic animal husbandry /rearing cycles, water quality, culture species and taxonomy, anatomy and physiology. There will also be an introduction to aquatic animal diseases, including disease prevention / aquatic biosecurity. There will be wet labs for the students to learn how to familiarize themselves with anatomy of finfish, molluscs and crustacean. *Offered to Semesters 3-7.*

VAM 5002

AQUATIC VETERINARY MEDICINE II (1 CREDIT)

The AVM elective courses will provide the students with a general understanding of aquaculture practices and instill the importance, and real need, for veterinarians to have aquatic veterinary medical knowledge, skills and experience in order to be able to assist with the increasing demands put on aquaculture and related industries (ornamental etc.) globally. AVM-2 will focus on clinical areas, such as the pathobiology and epidemiology of aquatic animal diseases. Diagnosis and treatment of aquatic animal diseases. Histopathology labs will be utilized to (1) demonstrate some typical diseases found in some common aquaculture species, such as finfish and invertebrates and (2) form part of the evaluation, i.e. being able to get the student to interpret the histopathology in certain unknown histology sections and offer an etiology for what they have observed. *Offered to Semesters 4-7*

VMI 5010

BUSINESS MANAGEMENT FOR VETERINARIANS (1 CREDIT)

The proposed Business Management Elective will include a series of lectures and case-based information that addresses a range of macroeconomic, microeconomic, and personal financial planning topics relevant to achieving a necessary understanding of the business of veterinary medicine, employment issues, and workplace environment surrounding veterinary medicine and the preparatory issues for new grads entering the workplace to be successful. Dr. John D. Tait MS (Finance) DVM MBA CFP, Certified in Business Valuation, Certified in Negotiation and Mediation would deliver the elective.

VMI 5015

INTRODUCTION TO APPLIED WELLNESS TECHNIQUES (1 CREDIT)

The elective introduces a variety of approaches to pre-clinical veterinary students that promote self-discovery and managing stress and anxiety while enhancing self-awareness and self-care. The program is highly experiential and engages students in meditation, guided imagery, breathing, and movement. Additionally, health and wellness topics will be presented. The first class will be 1 hour in length and provide an overview for the course. Subsequent classes will be 1.5 hours in length and meet once a week to learn and practice techniques, as well as discuss their experiences.

DEGREE PROGRAMS–DOCTOR OF VET MEDICINE (continued)

SUMMARY OF RUSVM ACTIVITIES IN SUPPORT OF PLACEMENT OF GRADUATES

The office of the Associate Dean for Clinical Affairs and Professional Opportunities provides support to students and recent graduates with regards to employment. Internships, new graduate employment opportunities and information about veterinary careers are communicated to senior students and those about to graduate via email and through RUSVM's intranet. Alumni and recent graduates are provided this information via the RUSVM website. The Associate Dean works with prospective employers to ensure that the skills and the attributes of the RUSVM graduates are promoted amongst potential employers.

Additionally, 6th and 7th semester students have mandatory meetings to discuss NAVLE preparation and future employment options, and the pre-clinical curriculum includes the following courses to further support our students to prepare for professional careers through the Veterinary Professional Foundations I and II, and Licensing Examination Preparation courses.

The ATGE Office for Professional Development based in New Jersey offers additional support and information on résumé, cover letter writing and interview skills.

CLINICAL TRAINING AT AN AFFILIATED INSTITUTION

RUSVM contracts with AVMA-COE accredited schools and colleges of veterinary medicine in the United States, Canada, Ireland, UK, and New Zealand to provide clinical year training for its students.

In order to be eligible for promotion to the clinical year, RUSVM students must successfully complete the Pre-clinical curriculum at the St. Kitts campus with a minimum GPA of 2.0.

All arrangements with the affiliate institution are handled by RUSVM (RUSVM students are not to contact these programs directly before they are placed). During clinical training, students remain enrolled in, and graduate from, RUSVM. Tuition is paid to RUSVM and not the affiliated institution.

RUSVM students are required to complete a minimum of 45 weeks of supervised and evaluated clinical curriculum with an affiliated school/college to be eligible for graduation. Clinical curriculum consists of Core, Elective and Externship rotations. With the recommended time interval for the rotations, RUSVM students spend a minimum of 20 weeks in the "core" clinical program. The remaining 25 weeks consists of electives at affiliated schools and externships. This time may be divided in a manner most opportune for scheduling at each affiliate school.

CORE ROTATIONS (MINIMUM 20 WEEKS):

1. Small Animal Medicine - Includes Preventive Health Maintenance/Community Practice (a minimum of 4 weeks)
2. Small Animal Surgery - (a minimum of 4 weeks)
3. Medical Services - Includes Anesthesiology and Diagnostic Imaging (a minimum of 4 weeks)
4. Diagnostic Services - Includes Clinical Pathology, Parasitology, Microbiology, Necropsy (diagnostic pathology) services (a minimum of 4 weeks)
5. Large Animal Medicine - A minimum of 4 weeks in one of the following:
   - Food Animal Medicine and/or Surgery: Includes Ambulatory Services, Theriogenology, and/or Food Animal Production Medicine where offered

     OR
   - Equine Medicine and/or Surgery: Includes Ambulatory Services where offered

DEFINITION OF TERMS:

Elective: is an evaluated rotation that is not required as part of RUSVM core program, or required by the affiliate to complete the DVM program. Many institutions define electives as non-core on-campus rotations or clerkships. Normally students will receive a grade (associated with a course number) after completion of an elective rotation.

Externship: is an off–campus supervised and evaluated learning experience. Normally students will receive a pass or fail in an externship.

DEGREE PROGRAMS–DOCTOR OF VET MEDICINE (continued)

Below is a list of some of RUSVM's affiliate schools and colleges of veterinary medicine:

AFFILIATED COLLEGES OF VETERINARY MEDICINE	LOCATION	WEBSITE
Auburn University	Auburn, AL	www.vetmed.auburn.edu
Colorado State University	Fort Collins, CO	www.cvmbs.colostate.edu
Cornell University	Ithaca, NY	www.vet.cornell.edu
Iowa State University	Ames, IA	www.vetmed.iastate.edu
Kansas State University	Manhattan, KS	www.vet.k-state.edu
Lincoln Memorial University College of Veterinary Medicine	Harrogate, TN	www.lmunet.edu/college-of-veterinary-medicine
Louisiana State University	Baton Rouge, LA	www.lsu.edu/vetmed
Massey University	Palmerston North, New Zealand	www.massey.ac.nz
Michigan State University	East Lansing, MI	www.cvm.msu.edu
North Carolina State University	Raleigh, NC	www.cvm.ncsu.edu
Oklahoma State University	Stillwater, OK	www.cvm.okstate.edu
Oregon State University	Corvallis, OR	www.vetmed.oregonstate.edu
Purdue University	West Lafayette, IN	www.vet.purdue.edu
Royal (Dick) School of Veterinary Sciences, University of Edinburgh	Edinburgh, Scotland	www.ed.ac.uk/vet
Royal Veterinary College	London, United Kingdom	www.rvc.ac.uk
Texas A & M University	College Station, TX	www.vetmed.tamu.edu
The Ohio State University	Columbus, OH	www.vet.osu.edu
Tufts University	North Grafton, MA	www.vet.tufts.edu
University College Dublin	Dublin, Ireland	www.ucd.ie/vetmed
University of California at Davis	Davis, CA	www.vetmed.ucdavis.edu
University of Florida	Gainesville, FL	www.vetmed.ufl.edu
University of Illinois	Urbana-Champaign, IL	www.cvm.uiuc.edu
University of Minnesota	St. Paul, MN	www.cvm.umn.edu
University of Missouri	Columbia, MO	www.cvm.missouri.edu
Université de Montréal	Quebec, Canada	www.umontreal.ca/en
University of Tennessee	Knoxville, TN	www.vetmed.tennessee.edu
University of Wisconsin	Madison, WI	www.vetmed.wisc.edu
Virginia-Maryland Regional College of Veterinary Medicine	Blacksburg, VA	www.vetmed.vt.edu
Western College of Veterinary Medicine at the University of Saskatchewan	Saskatoon, Canada	http://www.usask.ca/wcvm

DEGREE PROGRAMS–GRADUATE STUDIES

GRADUATE STUDIES

RUSVM offers Certificate in One Health, a PhD by Research degree program and both a MSc by Coursework in One Health (online) and a MSc by Research degree program. The MSc by Research degree program is most likely to benefit applicants going on to pursue a Doctoral degree. The MSc by Coursework degree program is provided to students on a part-time study basis with a required research project and thesis, and is similar to programs offered in the USA and Canada. Students have the option of completing the program in either 2 or 3 years.

Graduate students (referred to as "Candidates") appointed into graduate programs will embody an essential group of attributes that will be required to ensure the successful completion of the program, within a reasonable timeframe and ensure a competent career ready graduate. RUSVM, through research supervisors and MSc by Coursework advisors/teaching staff, provides clear, detailed and accessible information to candidates. Supervisors and Master of Science by Coursework advisors/teaching staff are directly involved in managing candidate progress and professional development.

ACADEMIC POLICIES

The Graduate Degree Regulations set out the regulatory framework by which graduate degree programs are governed.

ENROLLMENT

Candidates must enroll at the beginning of their study period by accepting their offer letter and thereafter on their attendance anniversary each year of their registration by emailing postgrad@rossvet.edu.kn and indicating any change of personal information. For degree programs longer than 1 year, this must be conducted until graduation.

A candidate may not repeat a semester of study if his or her progress has been unsatisfactory. Extensions to the prescribed period of study may be granted by the Graduate and Research Committee.

DEGREE PROGRAMS–GRADUATE STUDIES (continued)

FINANCIAL INFORMATION

TUITION AND FEES

All tuition and fees are listed in U.S. currency. Amounts are subject to change and additional fees may be charged for special features and/or services.

Application Fee
There is no application fee for the graduate programs.

Tuition

MASTER OF SCIENCE BY COURSEWORK IN ONE HEALTH (ONLINE) Tuition Effective September 2021	MASTER OF SCIENCE BY RESEARCH Tuition Effective September 2021	PHD BY RESEARCH Tuition Effective September 2021
Students have option to complete coursework as follows: $1,500/semester - 6 semesters (2 years part-time) $1,000/semester - 9 semesters (3 years part-time)	$3,000/semester - 3 semesters (1 year full-time) $1,500/semester - 6 semesters (2 years part-time)	Students have option to complete coursework as follows: $3,000/semester - 9 semesters (3 years full-time) $1,500/semester - 18 semesters (6 years part-time)
TOTAL TUITION		
$9,000.00	**$9,000.00**	**$27,000.00**

Please see the *Student Handbook* for tuition and refund policies.

Research degrees (MSc by Research and PhD) are subject to availability of supervisors, equipment and research costs.

RUSVM's graduate degree and graduate certificate programs are not eligible for U.S. Federal loans or financial aid.

Candidates must on the occasion of each semester pay the tuition fee due, at the date of payment, for the semester concerned. Candidates will be billed for the entire year. Candidates have the right to request an installment plan.

OTHER EDUCATIONAL EXPENSES

Educational Materials: Candidates are responsible for purchasing required textbooks, supplies, and equipment. The average cost for educational materials is dependent on the program of study and is traditionally no more than $400 per semester.

Health Insurance: Candidates in the MSc or PhD by Research Programs are encouraged to have health insurance while enrolled at RUSVM. RUSVM provides candidates with access to an insurance plan through Aetna® at $938.34 per semester. If a candidate provides proof of comparable private insurance coverage, the requirement to purchase University-sponsored health insurance can be waived.

For additional information regarding total program costs, please refer to the program home page at http://veterinary.rossu.edu/student-consumer-information.html

DEGREE PROGRAMS–GRADUATE STUDIES (continued)

LIVING EXPENSES

Candidates must plan on the cost of rent and utilities when on-island, which will vary based on factors such as location and whether there are roommates. Food and incidental costs must also be budgeted.

Transportation to/from St. Kitts: Immigration requires candidates entering St. Kitts to have a return airline ticket.

FINANCIAL OBLIGATIONS

Tuition and fees are billed approximately 14 days in advance of each semester and are due the first day of class. Graduate candidates in receipt of external funding must provide evidence of the financial support of which they are in receipt. RUSVM has the right to withhold services and academic certification from a candidate whose account is overdue.

REFUND POLICY FOR WITHDRAWALS

A withdrawal occurs when a candidate's enrollment is permanently discontinued or interrupted without an authorized leave of absence in accordance with the policies and procedures outlined in the *Student Handbook*. The effective date of withdrawal is normally the date the candidate notifies the institution of the withdrawal or candidate's last academically related event attended.

Although a leave of absence may be authorized in limited circumstances, failure to return to school from a leave of absence on the date specified is considered a withdrawal as of the last academically related event attended or the determined withdrawal date. Any leave of absence must be requested and approved in advance and may not exceed 3 semesters (1 year). An interruption of enrollment status that does not qualify as a leave of absence is considered a withdrawal as of the last date of academically related activity.

Candidates that are withdrawn, administratively withdrawn, dismissed, suspended, they may be entitled to a tuition refund. Candidates are refunded on a semester basis based on number of months enrolled in the degree program. Stipends are exempt from the tuition fee policy.

Below is a breakdown of semester-based withdrawal refunds . Please note that health insurance fees will not be adjusted. Candidate association fees, will not be refunded.

- Month 1: 75% tuition adjustment
- Month 2: 50% tuition adjustment
- Month 3: 25% tuition adjustment
- Month 4: No adjustment

Please note that tuition adjustments may create a credit balance on the candidate account. If a candidate has borrowed private loan funds, a loan return will be issued to the private loan lender as those monies are no longer needed to pay tuition.

DEGREE PROGRAMS–GRADUATE STUDIES (continued)

MASTERS OF SCIENCE BY COURSEWORK IN ONE HEALTH DEGREE PROGRAM

The MSc by Coursework in One Health (MSc One Health) degree program is research-informed and candidates will benefit from the expertise of world-renowned experts. The program includes residential and online taught components as well as a research project leading to the presentation of a thesis.

The course-based MSc One Health degree program is designed to equip veterinarians, animal scientists, medical and biological scientists with an in-depth understanding of the principles of, and issues associated with, One Health. RUSVM is committed to a One Health approach to a sectoral and multidisciplinary research aimed at sustainably reducing the burden of zoonoses. Zoonoses and other diseases affecting livestock production and health have serious impacts on the economic growth, health and food security and alleviation of poverty in tropical and resource constrained countries. Candidates will also have the opportunity to explore the complex interplay of altered environments and infectious diseases as an increasing threat to agriculture, public health and endangered/threatened species, on a global basis.

ADMISSIONS CRITERIA

Admission is open to candidates with a professional veterinary or medical qualification or a degree or international equivalent in the biological, biomedical, environmental or ecological sciences. The degree program begins annually each January, May, and September.

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.

APPLICATION PROCESS

Applicants for this graduate degree program are invited to direct initial inquiries to postgrad@rossvet.edu.kn. Applicants are asked to submit an expression of interest, consisting of their curriculum vitae and a short (2 paragraphs) on their reasons for wishing to undertake this degree program.

If the applicants fulfill the minimum entry requirements, they will be asked to attend an interview via video-conference or teleconference. Successful interviewees will be asked to complete an application form and to submit supporting documentation. Offers of admissions at this stage are conditional upon completion of the attached application form, verification of your qualifications and receipt of satisfactory references. Once the information has been received and verified, the applicants will receive an unconditional offer of admissions, which they must accept in order to enroll.

CANCELLATION POLICY

If an applicant decides to withdraw his/her application prior to decision, the applicant must email the Research and Graduate Administrator (postgrad@rossvet.edu.kn) with that request. The Administrator will then deactivate the application.

The state of Missouri provides for a period during which admissions agreements with RUSVM may be cancelled by the candidate with refund of all monies paid. This cancellation period shall not be less than (3) days, not including Saturdays, Sundays, and holidays.

Cancellation of Courses
RUSVM operates under a lockstep curriculum. RUSVM's curriculum is designed so classes are meant to be taken in a specific order, to bolster candidates' knowledge and skills incrementally. As such, the general policy at RUSVM is that it does not cancel classes.

NEW STUDENT WELCOME PACKET MATERIALS

Once accepted to RUSVM, candidates receive information pertaining to access to online classes, reading materials and the residential (on-island) component.

DEGREE PROGRAMS–GRADUATE STUDIES (continued)

LEARNING OUTCOMES

The MSc One Health degree program is designed to provide the skills and preparation needed for careers in a broad range of environments. The flexible program of study has particular strengths in:

- tropical animal health and diseases
- the intersection of animal health and human 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
- disaster medicine and management

On completion of the degree program the candidates will have gained knowledge, 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 animal health and zoonotic disease risks, to design and execute targeted research in animal health, and to manage veterinary intervention in the control and prevention of animal disease. Within the degree program the candidate will have had the opportunity to focus on an area of interest, such as area disease control, vector borne diseases, zoonotic infections or conservation medicine.

Candidates will acquire and enhance intellectual skills in scientific assessment and research methodology, as well as practical skills in communication, organization and scientific writing.

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 taught component will be instructed by distance learning via eCollege®, RUSVM's Virtual Learning Environment. Candidates will be taught by RUSVM faculty and specialist modules may be delivered by RUSVM's partner institutions.

The MSc by Coursework in One Health degree program requires 42 credits, obtained through coursework and a project, leading to the submission of a thesis. Candidates are required to undertake specified core courses amounting to 24 credits.

The research project may be carried out in St. Kitts and Nevis or in other locations, as appropriate, under the supervision of a RUSVM faculty member. The research component may be desk-based, lab-based or through fieldwork and will result in the submission of a thesis. An optional residential (max. 1 week) component will allow the candidate cohort to share their perspective and dissertation work to the RUSVM 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.

Assessment of the dissertation stage will be conducted on a portfolio of projects or dissertation submitted. It should comprise either a satisfactory record of research undertaken by the student, 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.

DEGREE PROGRAMS–GRADUATE STUDIES (continued)

The assessed work, including the dissertation, should be equivalent to but not exceeding 30,000 words. The thesis must be submitted within a maximum of 3 months after the completion of the prescribed program of study unless an extension is granted by the director of Graduate Studies.

For MSc One Health, the grading system is as follows:

GRADE	GRADE RANGE
A	93% or higher
A-	90% - 92.9%
B+	87% - 89.9%
B	83% - 86.9%
B-	80% - 82.9%
C+	77% – 79.9%
C	73% – 76.9%
C-	70% – 72.9%
D+	67% – 69.9%
D	63% – 66.9%
D-	60% – 62.9%
F	Below 60%

Candidates are evaluated based on the following criteria:

- Examinations
- Completion of assignments, including practicals
- Class and threaded discussion participation
- Academic honesty and professional demeanor
- Professionalism and the ability to effectively work with others in a team environment

DEGREE PROGRAMS–GRADUATE STUDIES (continued)

WRITTEN AGREEMENTS BETWEEN INSTITUTIONS

RUSVM has a written agreement with Chamberlain University (Chamberlain) to share courses within RUSVM's MSc One Health. The proportion of the degree program that is taught by Chamberlain is noted in the table below. There are no additional costs incurred by RUSVM students as a result of enrolling in a degree program at RUSVM that is taught, in part, by Chamberlain.

Degree Program	Credits Provided by RUSVM	Credits Provided by Chamberlain
MSc One Health	85% (36 credits)	15% (6 credits)

CURRICULUM

A curriculum plan for the MSc in One Health is provided below. Two and three year part time options available. 42 credit program, commencing each January, May, and September.

	Term (15 weeks)	Courses Offered Each Year	Courses Offered Alternting Years	
YEAR 1 **2021/2023/2025**	Spring	**VETPG141A** **Epidemiology** Credits: 2	**VETPG144** **Surveillance & Diagnostics** Credits: 3	**Floating Options:** Can be taken at any time **VETPG147** **MSc Capstone Research Project** Credits: 15 and **MPH503** **Advocacy in Public Health Policy & Law**[2] Credits: 3 **MPH504** **Cultural Competency & Global Public Health**[2] Credits: 3 **MPH506** **Environmental Health in Public Health**[2] Credits: 3
	Summer	**VETPG142** **Research Project Design** Credits: 2 **VETPG141B** **Biostatistics** Credits: 3	**Choose one:** **VETPG146A** **Safety of Food of Animal Origin** Credits: 2 **VETPG146B** **Disaster Preparedness** Credits: 2 **VETPG146C** **Animal Health Program Management** Credits: 2	
	Fall	**VETPG140** **Introduction to One Health Systems**[1] Credits: 1 **VETPG150** **Scientific Writing and Communications** Credits: 1	**VETPG148** **Remote/Residential Week** Credits: 1	

[1] Indicates AAVSB RACE approved for CE credit

[2] Courses delivered by Chamberlain University Master's in Public Health Program and are typically 7 weeks duration

DEGREE PROGRAMS–GRADUATE STUDIES (continued)

<table>
<tr><th></th><th>Term
(15 weeks)</th><th>Courses Offered
Each Year</th><th>Courses Offered
Alternting Years</th><th rowspan="5">Floating Options:
Can be taken at any time

VETPG147
MSc Capstone
Research Project
Credits: 15

and

MPH503
Advocacy in Public
Health Policy & Law[2]
Credits: 3

MPH504
Cultural Competency &
Global Public Health[2]
Credits: 3

MPH506
Environmental Health
in Public Health[2]
Credits: 3</th></tr>
<tr><td rowspan="4">YEAR 2
2022/2024/2026</td><td>Spring</td><td>VETPG141A
Epidemiology
Credits: 2</td><td>VETPG143
Conservation Medicine[1]
Credits: 3</td></tr>
<tr><td rowspan="2">Summer</td><td>VETPG142
Research
Project Design
Credits: 2</td><td rowspan="2">VETPG145
Zoonoses[1]
Credits: 3</td></tr>
<tr><td>VETPG141B
Biostatistics
Credits: 3</td></tr>
<tr><td rowspan="2">Fall</td><td>VETPG140
Introduction to One
Health Systems[1]
Credits: 1</td><td rowspan="2"></td></tr>
<tr><td>VETPG150
Scientific Writing
and Communications
Credits: 1</td></tr>
</table>

[1] Indicates AAVSB RACE approved for CE credit

[2] Courses delivered by Chamberlain University Master's in Public Health Program and are typically 7 weeks duration

DEGREE PROGRAMS–GRADUATE STUDIES (continued)

Module Descriptions

VETPG-140

ONE HEALTH & SYSTEMS APPROACHES (1 CREDIT)

In this course, One Health will be defined and placed in an historical context. The meaning of using a One Health approaching to research, policy, development and other aspects of animal, human and environmental health will be explored with current One Health advocates describing how they use One Health within their work. The complexity of One Health and the need for a systems approach to addressing animal, environmental and human health issues will be discussed using current literature and case examples. The importance of collaborations, networks and teams in implementing One Health approaches also will be stressed. Short videos and assigned reading material will be supplemented with discussions. Participation in the discussions is a key component of this course.

VETPG-141

BIOSTATISTICS AND EPIDEMIOLOGY (5 CREDITS)

This course examines the principles of Biostatistics and Epidemiology for One Health practitioners. Through lectures, hands-on practical exercises and discussions, students will develop knowledge of descriptive and inferential statistics. The course will also provide students the opportunity to gain a strong foundation in the use and interpretation of biostatistics. In the second part of the course (Weeks 8-14) the focus will be on epidemiological causal concepts; principles of sampling; questionnaire design, measures of disease frequency; observational studies and bias; measures of association; systematic reviews and participatory epidemiology.

VETPG-142

RESEARCH PROJECT DESIGN (2 CREDITS)

This course addresses the concepts and practicalities associated with the design and conduct of high-quality research projects. At the end of the course, students will be able to understand the principles of research design, formulate and present a research proposal; provide critiques of papers and grant proposals, respond constructively to critiques, develop a research poster and acquire basic skills in project management. This course is expected to serve as preparation for the Capstone research project and dissertation (VETPG-147).

VETPG-143

CONSERVATION MEDICINE (3 CREDITS)

This course will provide students with practical and theoretical knowledge of the basic principles of conservation biology and medicine such as interrelatedness of ecosystem health, animal health, and human health; emerging infectious diseases across species taxa (e.g. non-human primates, fish, reptiles, birds); human behavior and ecosystem health; and wildlife disease surveillance.

The course will also include case studies on national legislations or programs on conservation medicine, the role of agencies/entities (governmental, private sector, etc.) in conservation medicine and ecosystem health, historical and cultural perspectives towards endangered species and ecosystems communities in the country of focus. Through discussions, group work and assignments, students will have to demonstrate specialist knowledge of a specified conservation medicine/ecosystem health issue and the ability to plan, implement, and evaluate mechanisms to mediate risks and benefits as well as the ability to identify relevant necessary collaborations for conservation medicine/ecosystem health and to communicating the principles of conservation medicine and ecosystem health concepts to different population groups using appropriate media.

DEGREE PROGRAMS–GRADUATE STUDIES (continued)

VETPG-144

SURVEILLANCE & DIAGNOSTICS (3 CREDITS)

This course addresses methods for disease surveillance and diagnostics tools. It will prepare One Heath practitioners from diverse backgrounds to examine the validity, appropriateness and output for surveillance and diagnostic tools available to them. In particular, students will have the opportunity to gain critical knowledge through online lectures, discussions and case studies on types of surveillance, surveillance systems at national and international level, reportable and notifiable diseases, surveillance system design and evaluation, challenges and opportunities of implementing one health surveillance programs, syndromic surveillance and the application of GIS in spatio-temporal surveillance. The course will also have a strong emphasis on principles of diagnostic methods as it relates to surveillance and health monitoring. This will include: the interrelatedness of diagnostic methods, the role of diagnostic methodology in surveillance programs; interpretation and use of diagnostic method results for One Health communication and the contribution of diagnostic methodology policy changes in One Health. Students will also develop the ability to identify relevant collaborations necessary to perform diagnostic testing and surveillance of human and animal health. As a critical skill for One Health practitioners, students will be expected to present on their work throughout the course. Presentations using different media will include examples of country-specific practices drawing on the student's local environment and hence allowing peer-to-peer international perspective- and idea- sharing.

VETPG-145

ZOONOSES (3 CREDITS)

This course will provide student with knowledge of infectious/zoonotic disease, including detection of zoonotic diseases, specific zoonotic diseases (viral, bacterial, parasitic, prion and mycological), prevention and control of zoonotic disease and the importance and cost of zoonotic disease on a global scale. Due to interface of human healthcare professionals, animal health professionals and biomedical scientists in zoonotic diseases, the course will explore the importance of complementary and synergistic approaches, drawing on perspectives from different professions to identify, control and prevent zoonoses.

VETPG-146A

SAFETY OF FOODS OF ANIMAL ORIGIN (2 CREDITS)

This elective course will provide knowledge on the principles of food safety management, focusing on meat and other animal food products. Discussion topics and case-studies will include meat safety, milk hygiene, handling, storage and exportation of foods of animal origin, food safety management and evaluation systems, national and international legislations, standard practices, animal welfare and food safety risk analysis. As a critical skill for One Health practitioners, students will be expected to present on their work throughout the course. Presentations using different media will include examples of country-specific practices drawing on the student's local environment and hence allowing peer-to-peer international perspective- and idea- sharing.

VETPG-146B

DISASTER PREPAREDNESS (2 CREDITS)

This elective course provides knowledge of hazard and risk assessment; types of disasters, disaster planning and management, agencies involved in disaster management and their respective roles. The course also involves knowledge and practical application of the Incident Command System. Through discussions, case studies and a table top exercise, students will have the opportunity to examine lessons learnt from previous disasters as well as disaster preparation. No prerequisite.

VETPG-146C

ANIMAL HEALTH PROGRAM MANAGEMENT (2 CREDITS)

This elective course will allow students to develop specialist knowledge in animal health governance at international, regional and country level; the animal trade and sanitary/phyto-sanitary measures; reportable and notifiable diseases; control strategies used for trans-boundary diseases and zoonoses, emerging and re-emerging diseases. Prerequisite: students are expected to have basic knowledge of animal health, gained through practical or educational experience.

DEGREE PROGRAMS–GRADUATE STUDIES (continued)

VETPG-147

CAPSTONE RESEARCH PROJECT AND MINI-DISSERTATION (15 CREDITS)

Students will be required to undertake a research project, on their chosen topic or based on supervisor-led topics. The research project may be carried out in St. Kitts and Nevis or in the students' locality, as appropriate, under the supervision of a RUSVM faculty member. The research component may be desk-based, lab-based or conducted through fieldwork and will result in the submission of a thesis (15,000-30,000 words). Through this supervised practical activity, students will gain specialist knowledge of the field of study and hands-on experience in conducting a research project. Students will also develop skills in literary presentation and scientific referencing. Prerequisite: All semesters 1 and 2 credit courses.

VETPG-148

REMOTE/RESIDENTIAL WEEK (1 CREDIT)

An optional, 1 week-long remote or residential component will allow the students to share their knowledge and perspectives as well as presenting their project proposal plan to the RUSVM research community. Themed exercises will provide an enhanced foundation in collaborative working in this multidisciplinary field and will focus on defined One Health issues and an opportunity to gain experience of addressing One Health issues in the Caribbean Basin.

VETPG-150

SCIENTIFIC WRITING & COMMUNICATIONS (1 CREDIT)

This course will cover the fundamental skills required for various forms of scientific communications. Commencing with the use of search engines and reference managers, through to developing a literature review and writing, reviewing and editing scientific papers. Poster and oral communications for conferences as well as informal public speaking will be addressed, as well as how to develop your ePortfolio.

*MPH-503

ADVOCACY IN PUBLIC HEALTH POLICY AND LAW (3 CREDITS)

This course examines the impacts of economics, ethics, legal issues, political science, management, communications and technology on public health policymaking. Students explore contemporary issues in health policy through review of U.S. health policy development and factors that affect future health policy initiatives. Students are challenged to think systematically and critically about these issues and about various methods available to policymakers to improve the U.S. healthcare system.

*MPH-504

CULTURAL COMPETENCY AND GLOBAL PUBLIC HEALTH (3 CREDITS)

This course explores global and international dimensions of public health. Students consider epidemiological, political, behavioral, sociological, cultural and medical aspects associated with variations in health and disease of individuals and populations. Coursework examines a range of public health issues for developing countries and for affluent industrialized societies, and population-based public health approaches used in solving global health issues are introduced. In addition, students will examine assumptions made about their cultural competency and how to work with populations who might share different values than their own.

*MPH-506

ENVIRONMENTAL HEALTH IN PUBLIC HEALTH - 3 CREDITS

The course addresses factors associated with biological, physical and chemical environmental health issues. Students examine interaction among individuals, communities and the environment; the potential health impact of environmental agents; and specific applications of environmental health policies and practices. Also examined are approaches for assessing, preventing and controlling environmental health hazards.

** Courses delivered by the Chamberlain University from the Masters in Public Health program.*

DEGREE PROGRAMS–GRADUATE STUDIES (continued)

MSC AND PHD BY RESEARCH DEGREE PROGRAMS

Our Faculty are actively engaged in research and will provide graduate students, (referred to as "candidates"), with new tools and ways of thinking that lead to innovation. Graduate candidates will be equipped with transferable research skills necessary to pursue a wide selection of careers in academia, industry, business or elsewhere. As graduate researchers, candidates will focus on a topic specific to one of our four Research Centers and be supervised by experienced faculty members. Graduate research students will be expected to show they can deliver and manage their research project and advance knowledge within their chosen discipline.

PROGRESS MONITORING

Graduate research degree programs are not credit-based and are assessed through the submission of a final thesis (and, for PhD candidates, an oral examination). However, to assist with the satisfactory progress of candidates, RUSVM undertakes a rigorous progress monitoring management of graduate candidates at defined milestones.

SUPERVISION OF AND EXPECTATIONS

RUSVM ensures that:

- Supervisors are adequately qualified to supervise graduate candidates at the qualification level the candidates are registered for;
- There is a sufficient number of experienced supervisors to support all candidates for the duration of their candidature; and
- Research supervision is formally and transparently recognized in workloads and RUSVM monitors the number of candidates that a member of faculty should supervise at any one time.

Principal supervisors will have:

- A degree at the level they are supervising or higher;
- The skills and experience relevant to supervising the project in the stated area;
- Ongoing involvement in developing and maintaining knowledge and expertise in the research degree supervision; and
- An understanding of RUSVM's policies and procedures in relation to supervision and in particular their respective role, expectation and requirement of the degree.

Candidates should understand that they are expected to:

- Be proactive and self-directed in all aspects of their study;
- Make independent and creative use of library and all other available resources;
- Embrace online learning opportunities;
- Make full use of laboratory facilities;
- Take full advantage of their information sources, including research faculty and facilities;
- Adopt work practices and working hours that facilitate effective communication with the appointed supervisors;
- Meet any conditions specified at the time of admission or subsequently in order to be maintained in the program;
- Refer to the guidance relating to formatting and referencing requirements for their thesis and make use of referencing tools such as EndNote®.

DEGREE PROGRAMS–GRADUATE STUDIES (continued)

Each candidate will work under the guidance of at least two supervisors appointed by RUSVM, one of whom will be appointed as the Principal Supervisor.

The supervisors must be either:

a. salaried members of the academic faculty of RUSVM;

b. a member of staff employed by RUSVM, not being one of the academic faculty, who has appropriate expertise in research; or

c. an honorary/adjunct member of faculty.

The nomination of individuals in categories (b) or (c) to act as a Principal Supervisor must be specifically approved by the RUSVM Graduate and Research Committee. In appropriate cases one or more other supervisor(s) (external supervisors), who need not be members of the faculty of the RUSVM, may be appointed by the RUSVM Graduate and Research Committee.

A Progress Monitoring Committee (PMC) is assigned to each candidate. PMCs are comprised of RUSVM supervisors, external supervisors (if applicable) and a member of RUSVM faculty who is not directly involved in the candidate's research project. The role of the PMC is to assess whether the candidate has made satisfactory progress as per the RUSVM Graduate Assessment Regulations. The PMC is chaired by one of its members (but not the Principal Supervisor).

All candidates, including those studying on a part-time basis and those registered as continuing candidates, must report in person to their supervisors when required and at least twice in each four-month period. Candidates who are absent from the RUSVM must report to their supervisors via other communication means such as video-/teleconference or in writing.

MSC BY RESEARCH DEGREE PROGRAM

The MSc by Research degree program is based on supervised research over a period of one year full-time (3 semesters) or 2 years part-time (6 semesters). Progress monitoring is conducted throughout the study period and the candidate will be asked to demonstrate satisfactory progress at set milestones.

The award of an MSc by Research degree is based on the satisfactory completion of research training in addition to any other designated projects, assignments and/or course work, and the completion of a thesis, which must not exceed 30,000 words.

Candidates will be required to demonstrate that they have acquired an advanced level of knowledge and understanding in the field of study and are capable of undertaking independent research.

INTEGRATED AND INTERCALATED DVM/MSC BY RESEARCH DEGREE PROGRAM

DVM students wishing to undertake an MSc by Research degree program may do so as:

- Integrated - students will undertake 9 semesters of work towards their MSc by Research; typically 8 in conjunction with their DVM studies and one semester for research. DVM students applying for an Integrated MSc by Research program must be in good standing in their DVM program and have achieved suitably satisfactory grades (cGPA of 3.5 or above).
- Intercalated - with the required permissions, students may take time off the DVM program to undertake a 3-semester MSc by Research. Only students having completed at least one semester of the DVM program will be considered. DVM students applying for an Integrated MSc by Research program must be in good standing in their DVM program and have achieved suitably satisfactory grade (cGPA of 3.0 or above).

The award of an MSc by Research degree is based on the satisfactory completion of research training in addition to any other designated projects, assignments and/or course work, and the completion of a thesis, which must not exceed 30,000 words.

Candidates will be required to demonstrate that they have acquired an advanced level of knowledge and understanding in the field of study and are capable of undertaking independent research.

DEGREE PROGRAMS–GRADUATE STUDIES (continued)

PHD BY RESEARCH DEGREE PROGRAM

The Doctoral degree program is based on supervised research over a period of three years full-time (9 semesters) or a maximum of six years part-time (18 semesters).

Progress monitoring is conducted throughout the study period and the candidate will be asked to demonstrate satisfactory progress at set milestones.

Research supervisors will submit a yearly progress report to the Graduate and Research Committee on the work of the candidate. Information to be provided in the progress report will include advancement of the research, development of discipline specific research skills and progress in expected outcomes (e.g. manuscripts for publication in peer-reviewed scientific journals).

The candidate must have demonstrated the capacity to pursue original research in the field of study and to present the results in a critical and scholarly way. The doctoral dissertation must be an original work making a significant contribution to knowledge and understanding of the field of study, such that it is worthy of presentation in peer-reviewed publications.

The award of a PhD is determined on the basis of a submitted thesis, not exceeding 100,000 words, and an externally-assessed oral examination.

APPLICATION PROCEDURES (MSC & PHD BY RESEARCH)

Prospective candidates for MSc and PhD by Research degree programs are invited to direct initial inquiries to postgrad@rossvetedu.kn.

Applicants may approach prospective supervisors to discuss their research aspirations and interests.

Applications are by invitation and will be reviewed in-line with RUSVM entry requirements and research expertise. If shortlisted on the basis of their application and supporting documentation, applicants will be asked to attend an interview by tele- or video-conference. Appointed candidates will then be issued a letter of offer, which sets out the conditions of their degree program and a mutually agreeable start date will be arranged. Offers must be accepted to finalize enrollment.

RUSVM will assist candidates' pre-arrival with onboarding such as visa requirements and accommodations. Candidates should not make visa or travel arrangements until they have been contacted by a RUSVM representative.

ENTRY REQUIREMENTS

MSC BY RESEARCH DEGREE PROGRAM

Applications accepted throughout the year - open enrollment

The minimum entry requirement for this degree program is a professional veterinary or medical qualification, or a bachelor's degree or international equivalent in the biological or biomedical sciences. Applicants will be selected on the basis of their educational performance to date and their ability to demonstrate a sustained interest in research.

Due to the intensive nature of this degree, 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.

DEGREE PROGRAMS–GRADUATE STUDIES (continued)

DOCTORAL (PHD) DEGREE PROGRAM

Applications accepted throughout the year - open enrollment

Admission is open to candidates with a professional veterinary or medical qualification, bachelor's degree or international equivalent in the biological sciences. Based on the research content of the applicant's professional qualification or first degree, a master's degree may be required. Additionally, candidates may be required to enroll in an MSc by Research degree program for a probationary period before converting to the PhD by Research degree program. Applicants will be selected on the basis of their educational performance to date and their ability to demonstrate a sustained interest in research.

Due to the importance of written and spoken skills to successfully undertake 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.

CERTIFICATE PROGRAMS

Certificate in One Health

ADMISSIONS CRITERIA

Admission is open to candidates with a professional veterinary or medical qualification or a degree or international equivalent in the biological, biomedical, environmental or ecological sciences. The degree program begins three times each year: January (Spring term). May (Summer term), and September (Fall term).

Due to the intensive nature of this 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.

APPLICATION PROCESS

Applicants for the Certificate in One Health are invited to direct initial inquiries to postgrad@rossvet.edu.kn. Applicants are asked to submit an expression of interest, consisting of their curriculum vitae and a short 2-paragraph statement on their reasons for wishing to undertake the certificate program.

If the applicants fulfill the minimum entry requirements, they may be asked to attend an interview by video-conference or teleconference. Offers of admissions at this stage are conditional upon completion of the attached application form, verification of your qualifications and receipt of satisfactory references. Once the information has been received and verified, the applicants will receive an unconditional offer of admissions, which they must accept in order to enroll.

CANCELLATION OF COURSES

RUSVM operates under a lockstep curriculum. RUSVM's curriculum is designed so classes are meant to be taken in a specific order, to bolster candidates' knowledge and skills incrementally. As such, the general policy at RUSVM is that it does not cancel classes.

NEW STUDENT WELCOME PACKET

Once accepted, candidates receive information pertaining to access to online classes, schedule, and reading materials.

CERTIFICATE PROGRAMS (continued)

LEARNING OUTCOMES

The Certificate in One Health is designed to provide working knowledge of One Health concepts that can be used to enhance careers in a broad range of environments. Participants will employ intellectual skills in scientific assessment as well as practical skills in communication, organization and scientific writing. Upon successful completion of the certificate, participants will have gained knowledge in the disciplines relevant to the broad field of One Health including and be able to employ a systems approach to addressing issues within human, animal and environmental health.

Upon completing the Certificate in One Health, students should be confident leaders and advocates of One Health in their current and future positions. Core focus areas and respective competencies within the program include:

1. Use of a systems approach to complex health issues with the ability to
    a. recognize when a One Health concern or issue exists
    b. identify, compile and apply relevant and appropriate sources of information, including community assets and resources
    c. analyze information to determine uses, gaps and limitations within an ethical, political, scientific, socio-cultural and economic context
    d. be able to evaluate the impact of interventions and research from a systems perspective
2. Understanding the role of advocacy, leadership and communication within One Health with the ability to
    a. recognize the vision and mission of an organization (public or private)
    b. contribute to developing key values and a shared vision in planning and implementing One Health programs and policies in a community
    c. utilize One Health ethics to manage self, others, information and resources
    d. demonstrate an ability to build community capacity by sharing knowledge, tools, expertise and experience
    e. use different platforms for communicating and educating on One Health issues
    f. ability to develop communications (e.g., presentations, posters, media pieces) targeting different audiences
3. Understanding the transdisciplinary One Health sciences with the ability to
    a. describe disease transmission routes and characterize the etiology of infectious disease agents particularly those of zoonotic importance;
    b. characterize the interaction of conservation medicine/ecosystem health with human and domestic animal health;
    c. explain the role of food safety and delivery of veterinary services (disaster management and animal health program delivery) within a One Health context;
    d. describe interventions that can prevent disease spread and improve animal, human and environmental health;
    e. identify cultural and socioeconomic factors that can increase or decrease the spread of diseases and impact of interventions;
    f. explain primary principles in epidemiology to characterize health issues that overlap between animals, humans and the environment
    g. describe the use of biosurveillance, diagnostics, and therapeutics in assessing and intervening in animal, human and environmental health issues

CERTIFICATE PROGRAMS (continued)

COURSES	CREDITS	LEARNING OUTCOMES
VETPG140 Introduction to One Health	1	▪ Recognize when a One Health concern or issue exists ▪ Place One Health within an historical context ▪ Identify stakeholders impacted by complex health issues ▪ Describe ethical, gender, social, economic and cultural aspects applicable to a One Health issue ▪ Determine core team members based on disciplines needed for a systems approach to health issues ▪ Recognize challenges of using a systems approach ▪ Summarize OH research, program or policy results for different audiences
VETPG141 Biostatistics & Epidemiology	5	▪ Define causal concepts and causal concepts ▪ Understand principles of sampling and evaluate sampling strategies ▪ Develop an effective questionnaire ▪ Identify and calculate measures of disease frequency ▪ Evaluate screening and diagnostic tests ▪ Calculate and interpret measures of association ▪ Recognize bias in observational studies ▪ Define concepts of infectious disease epidemiology ▪ Explain participatory epidemiology and identify when used ▪ Demonstrate knowledge of measures of central tendency and dispersion, means, median, mode standard deviations
VETPG142 Research Project Design	2	▪ Understand the principles of research design ▪ Formulate and present (written) a research proposal ▪ Understand the principles of project management ▪ Apply principles of project management to research studies
VETPG143 Conservation Medicine	3	▪ Describe basic principles of conservation biology and medicine ▪ Identify overlap between ecosystem health, animal health, and human health ▪ Demonstrate knowledge of emerging infectious diseases across taxa (e.g., non-human primates, fish, reptiles, birds, etc.) and impact of zoonotic diseases on conservation ▪ Develop an ecosystem health monitoring program taking in to account relevant agencies, budgets, surveillance methods and mechanisms to monitor ecosystem health ▪ Familiar with legislation and agencies regarding conservation medicine and/or ecosystem health ▪ Demonstrate knowledge of a conservation medicine/ecosystem health issue and be able to plan, implement, and evaluate mechanisms to mediate risks and benefits ▪ Communicate the principles of conservation medicine and ecosystem health concepts to different population groups using appropriate media

CERTIFICATE PROGRAMS (continued)

VETPG144 Surveillance & Diagnostics	3	▪ Describe types of surveillance as well as pros and cons ▪ Identify surveillance systems at country and international level ▪ Understand principles of designing a surveillance system ▪ Evaluate and present on a surveillance system ▪ Define, identify and describe one health surveillance programs ▪ Demonstrate knowledge of the application of GIS in surveillance ▪ Describe principles of diagnostic methods as they relate to surveillance and animal health monitoring ▪ Identify appropriate diagnostic methods to achieve the goals of surveillance, monitoring of animal health, and impact on human health ▪ Interpret and utilize diagnostic method results for public health/One Health communication and recommendations for specific actions ▪ Use diagnostic results as evidence to promote policy changes in One Health ▪ Identify the roles of varying agencies/entities (governmental, private sector, etc.) involved in diagnostic method procedures, validation, and reporting
VETPG145 Zoonoses	3	▪ Define infectious/zoonotic disease and recognize specific bacterial, viral, mycotic, parasitic and prion zoonoses ▪ Identify and describe reservoirs of disease, disease transmission methods and determinants of emerging and re-emerging disease ▪ Demonstrate knowledge of the detection of zoonotic disease including use of surveillance and understanding of sentinel disease signs and symptoms ▪ Understand the role of health care professionals (DVMs and MDs) in zoonotic disease ▪ identification and prevention ▪ Understand prevention and control strategies of zoonotic disease including regulations, biosecurity, and cleaning and disinfection procedures ▪ Estimate cost of zoonotic disease on a global scale including economic loss and morbidity and mortality in humans from zoonotic disease
VETPG146A Safety of Food of Animal Origin	2	▪ Apply principles of a food safety management system and use of hazard analysis and critical control points ▪ Identify components of meat safety programs including local legislation and the Codex Alimentarius, slaughter requirements ▪ Understand restrictions and rules on the importation/exportation of meat ▪ Describe milk hygiene processes including regulations; control of hazards; milking parlor, storage, transportation and processing facility requirements; ▪ Develop food safety communication information for different population groups

CERTIFICATE PROGRAMS (continued)

VETPG146B Disaster Management	2	▪ Identify types of hazards and disasters ▪ Understand steps in conducting a hazard and risk assessment ▪ Demonstrate knowledge of planning for a disaster and levels of planning ▪ Explain principles of preparedness planning ▪ Demonstrate knowledge of capacity building in disaster planning ▪ Outline the lifecycle of disaster management ▪ Define the components an Incident command system ▪ Identify lessons learnt from previous disasters
VETPG146C Animal Health Program Management	2	▪ Explain animal health governance/regulations at international, regional and country level ▪ Understand animal trade and the OIE sanitary and phyto-sanitary measures ▪ Identify differences in reportable and notifiable diseases (regional, country, international) and method used in selecting these diseases ▪ Describe disease control strategies used to control reportable and transboundary diseases taking into account socio-economic, cultural and trade related issues ▪ Identify challenges and opportunities of using a one health approach in developing an animal health program with a focus on zoonoses, reportable and notifiable diseases
VETPG150 Scientific Writing and Communications	1	▪ Understand differences in oral, written and electronic media ▪ Target communications to the audience ▪ Gain skills in oral presentations ▪ Develop succinct communications ▪ Understand the principles of a scientific communication

CERTIFICATE PROGRAMS (continued)

DELIVERY

The Certificate in One Health requires 15 credits, obtained through coursework. 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 taught component will be instructed by distance learning via eCollege®, RUSVM's Virtual Learning Environment. Candidates will be taught by RUSVM faculty and specialist modules may be delivered by RUSVM's partner institutions.

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.

For the Certificate in One Health, the grading system is as follows:

GRADE	GRADE RANGE
A	93% or higher
A-	90% to 92.9%
B+	87% to 89.9%
B	83% to 86.9%
B-	80% to 82.9%
C+	77% to 79.9%
C	73% to 76.9%
C-	70% to 72.9%
D+	67% to 69.9%
D	63% to 66.9%
D-	60% to 62.9%
F	Below 60%

Candidates are evaluated based on the following criteria:

- Examinations
- Completion of assignments, including practicals
- Class and threaded discussion participation
- Academic honesty and professional demeanor
- Professionalism and the ability to effectively work with others in a team environment

CERTIFICATE PROGRAMS (continued)

CURRICULUM

Certificate requirements:

- Complete 15 credits within 3 years, required number of credits per subject area are listed below

The Certificate curriculum consists of 15 credits of the same courses that make up the MSc by Coursework in One Health curriculum. Certificate in One Health (online) Module descriptions are below.

AREA	REQUIRED CREDITS	COURSES
Policy / Planning / Implementation / Social Sciences	3	VETPG140/One Health & Systems Approaches (1 credit) VETPG150/Scientific Writing & Communications (1 credit) Policy, planning courses available through the Adtalem sister schools (2-3 credits each)
Research / Research & Survey Tools	5	VETPG141/Biostatistics & Epidemiology (5 credits) VETPG142/Research Project Design (2 credits) VETPG144/Surveillance & Diagnostics (3 credits)
Special topics	5	VETPG143/Conservation Medicine (3 credits) VETPG145/Zoonoses (3 credits) VETPG146A/Safety of Food of Animal Origin (2 credits) VETPG146B/Disaster Preparedness (2 credits) VETPG146C/Animal Health Program Management (2 credits)
Elective credits	2	From any category above

CERTIFICATE PROGRAMS (continued)

MODULE DESCRIPTIONS

VETPG-140

ONE HEALTH & SYSTEMS APPROACHES (1 CREDIT)

In this course, One Health will be defined and placed in an historical context. The meaning of using a One Health approaching to research, policy, development and other aspects of animal, human and environmental health will be explored with current One Health advocates describing how they use One Health within their work. The complexity of One Health and the need for a systems approach to addressing animal, environmental and human health issues will be discussed using current literature and case examples. The importance of collaborations, networks and teams in implementing One Health approaches also will be stressed. Short videos and assigned reading material will be supplemented with discussions. Participation in the discussions is a key component of this course.

VETPG-141

BIOSTATISTICS AND EPIDEMIOLOGY (5 CREDITS)

This course examines the principles of Biostatistics and Epidemiology for One Health practitioners. Through lectures, hands-on practical exercises and discussions, students will develop knowledge of descriptive and inferential statistics. The course will also provide students the opportunity to gain a strong foundation in the use and interpretation of biostatistics. In the second part of the course (Weeks 8-14) the focus will be on epidemiological causal concepts; principles of sampling; questionnaire design, measures of disease frequency; observational studies and bias; measures of association; systematic reviews and participatory epidemiology.

VETPG-142

RESEARCH PROJECT DESIGN (2 CREDITS)

This course addresses the concepts and practicalities associated with the design and conduct of high-quality research projects. At the end of the course, students will be able to understand the principles of research design, formulate and present a research proposal; provide critiques of papers and grant proposals, respond constructively to critiques, develop a research poster and acquire basic skills in project management. This course is expected to serve as preparation for the Capstone research project and dissertation (VETPG-147).

VETPG-143

CONSERVATION MEDICINE (3 CREDITS)

This course will provide students with practical and theoretical knowledge of the basic principles of conservation biology and medicine such as interrelatedness of ecosystem health, animal health, and human health; emerging infectious diseases across species taxa (e.g. non-human primates, fish, reptiles, birds); human behavior and ecosystem health; and wildlife disease surveillance.

The course will also include case studies on national legislations or programs on conservation medicine, the role of agencies/entities (governmental, private sector, etc.) in conservation medicine and ecosystem health, historical and cultural perspectives towards endangered species and ecosystems communities in the country of focus. Through discussions, group work and assignments, students will have to demonstrate specialist knowledge of a specified conservation medicine/ecosystem health issue and the ability to plan, implement, and evaluate mechanisms to mediate risks and benefits as well as the ability to identify relevant necessary collaborations for conservation medicine/ecosystem health and to communicating the principles of conservation medicine and ecosystem health concepts to different population groups using appropriate media.

CERTIFICATE PROGRAMS (continued)

VETPG-144

SURVEILLANCE & DIAGNOSTICS (3 CREDITS)

This course addresses methods for disease surveillance and diagnostics tools. It will prepare One Heath practitioners from diverse backgrounds to examine the validity, appropriateness and output for surveillance and diagnostic tools available to them. In particular, students will have the opportunity to gain critical knowledge through online lectures, discussions and case studies on types of surveillance, surveillance systems at national and international level, reportable and notifiable diseases, surveillance system design and evaluation, challenges and opportunities of implementing one health surveillance programs, syndromic surveillance and the application of GIS in spatio-temporal surveillance. The course will also have a strong emphasis on principles of diagnostic methods as it relates to surveillance and health monitoring. This will include: the interrelatedness of diagnostic methods, the role of diagnostic methodology in surveillance programs; interpretation and use of diagnostic method results for One Health communication and the contribution of diagnostic methodology policy changes in One Health. Students will also develop the ability to identify relevant collaborations necessary to perform diagnostic testing and surveillance of human and animal health. As a critical skill for One Health practitioners, students will be expected to present on their work throughout the course. Presentations using different media will include examples of country-specific practices drawing on the student's local environment and hence allowing peer-to-peer international perspective- and idea- sharing.

VETPG-145

ZOONOSES (3 CREDITS)

This course will provide student with knowledge of infectious/zoonotic disease, including detection of zoonotic diseases, specific zoonotic diseases (viral, bacterial, parasitic, prion and mycological), prevention and control of zoonotic disease and the importance and cost of zoonotic disease on a global scale. Due to interface of human healthcare professionals, animal health professionals and biomedical scientists in zoonotic diseases, the course will explore the importance of complementary and synergistic approaches, drawing on perspectives from different professions to identify, control and prevent zoonoses.

VETPG-146A

SAFETY OF FOODS OF ANIMAL ORIGIN (2 CREDITS)

This elective course will provide knowledge on the principles of food safety management, focusing on meat and other animal food products. Discussion topics and case-studies will include meat safety, milk hygiene, handling, storage and exportation of foods of animal origin, food safety management and evaluation systems, national and international legislations, standard practices, animal welfare and food safety risk analysis. As a critical skill for One Health practitioners, students will be expected to present on their work throughout the course. Presentations using different media will include examples of country-specific practices drawing on the student's local environment and hence allowing peer-to-peer international perspective- and idea- sharing.

VETPG-146B

DISASTER PREPAREDNESS (2 CREDITS)

This elective course provides knowledge of hazard and risk assessment; types of disasters, disaster planning and management, agencies involved in disaster management and their respective roles. The course also involves knowledge and practical application of the Incident Command System. Through discussions, case studies and a table top exercise, students will have the opportunity to examine lessons learnt from previous disasters as well as disaster preparation. No prerequisite.

VETPG-146C

ANIMAL HEALTH PROGRAM MANAGEMENT (2 CREDITS)

This elective course will allow students to develop specialist knowledge in animal health governance at international, regional and country level; the animal trade and sanitary/phyto-sanitary measures; reportable and notifiable diseases; control strategies used for trans-boundary diseases and zoonoses, emerging and re-emerging diseases. Prerequisite: students are expected to have basic knowledge of animal health, gained through practical or educational experience.

CERTIFICATE PROGRAMS (continued)

VETPG-150

SCIENTIFIC WRITING & COMMUNICATIONS (1 CREDIT)

This course will cover the fundamental skills required for various forms of scientific communications. Commencing with the use of search engines and reference managers, through to developing a literature review and writing, reviewing and editing scientific papers. Poster and oral communications for conferences as well as informal public speaking will be addressed, as well as how to develop your ePortfolio. Taught by Anna Becker.

[1]MPH-503

ADVOCACY IN PUBLIC HEALTH POLICY AND LAW (3 CREDITS)

This course examines the impacts of economics, ethics, legal issues, political science, management, communications and technology on public health policymaking. Students explore contemporary issues in health policy through review of U.S. health policy development and factors that affect future health policy initiatives. Students are challenged to think systematically and critically about these issues and about various methods available to policymakers to improve the U.S. healthcare system.

[1]MPH-504

CULTURAL COMPETENCY AND GLOBAL PUBLIC HEALTH (3 CREDITS)

This course explores global and international dimensions of public health. Students consider epidemiological, political, behavioral, sociological, cultural and medical aspects associated with variations in health and disease of individuals and populations. Coursework examines a range of public health issues for developing countries and for affluent industrialized societies, and population-based public health approaches used in solving global health issues are introduced. In addition, students will examine assumptions made about their cultural competency and how to work with populations who might share different values than their own.

[1]MPH-506

ENVIRONMENTAL HEALTH IN PUBLIC HEALTH (3 CREDITS)

The course addresses factors associated with biological, physical and chemical environmental health issues. Students examine interaction among individuals, communities and the environment; the potential health impact of environmental agents; and specific applications of environmental health policies and practices. Also examined are approaches for assessing, preventing and controlling environmental health hazards, as well as regulatory programs that control

[1] Courses delivered by the Chamberlain University from the program.

TUITION

CERTIFICATE IN ONE HEALTH (ONLINE) **Tuition** Effective September 2020	$300/credit hour - (15 credit hours required)	TOTAL TUITION	**$4,500.00**

RUVSM ADMINISTRATION

DEAN'S COUNCIL

DR. SEAN CALLANAN, PhD, MVB, CERT VR, MRCVS, FRCPATH, DECVP

Dean of Ross University School of Veterinary Medicine

FELIX ALEJANDRO, BA, MHRM, MBA

Director of Human Resources

ANNE-LYSE BADOU-JAMES

Senior Manager, Financial Planning & Analysis

DR. DON BERGFELT, BS, MS, PhD

Department Head, Biomedical Sciences

ALDON CARBON, BSc, MBA, MPM

Director of Information Technology

MARY COLLINS

Director of Marketing

DESIREE MC KOY

Director of Operations, Incident Commander

CHLOE ELSTON, BSc

Interim Accreditation Specialist, Executive Assistant to the Dean

DR. ANNE FRENCH MVB MBA PhD CERTSAM DVC DECVIM-CA(CARDIOLOGY) MRCVS FHEA

Professor and Head of Department of Clinical Sciences

DR. ROBERT GILBERT, BVSc, MMEDVet, DACT, FRCVS

Associate Dean of Academic Affairs, Professor of Theriogenology

DR. ERIKA LITTLE DVM, MS, DIPL. ACVS

Interim Associate Dean for Clinical Affairs & Professional Opportunities

SAMSON MUKARATIRWA, DVM, MVSc, PhD

Interim Associate Dean for Research and Graduate Studies

DAVID SATTERLEE, BFA, MEd

Director of Student Experience

RUVSM ADMINISTRATION (continued)

RESEARCH CENTERS

DR. ELPIDA ARTEMIOU, BSc, MSc, PhD, AFAMEE

Director of Center for Research and Innovation in Veterinary and Medical Education

DR. SOUVIK GHOSH, BVSc & AH (GOLD MEDALIST), MVSc, PhD

Director of One Health Center for Zoonoses and Tropical Veterinary Medicine

DR. DARRYN KNOBEL, BVSc MSc PhD MRCVS DACVPM (EPI)

Director of Center for Conservation Medicine and Ecosystem Health

DR. HILARI FRENCH, DVM, PHD, DACT, DABVP (FOOD ANIMAL)

Director of Center for Integrative Mammalian Research

ACADEMIC AFFAIRS

DR. ROBERT GILBERT, BVSc, MMEDVet, DACT, FRCVS

Associate Dean of Academic Affairs, Professor of Theriogenology

GRACE CARR, BSc, MLIS

Director of Library Services

DR. LOVENESS DZIKITI, PhD

Data Analyst

SONIA BODDIE MCPHAIL, BSc, CID, MS IDT

Supervisor, Academic Technology

DENISE FYFIELD

Campus Registrar

WILLIAM GUNTRUM, AST, BS, MFA

University Registrar

SHERIDAN HENDRICKSON, BA

Associate Registrar

ABIJAH ISAAC, BA

Supervisor, Exam Center

KATHRYN LAKE, BA

Scheduler

RUVSM ADMINISTRATION (continued)

STUDENT AFFAIRS

DAVID SATTERLEE, BFA, MEd

Director of Student Experience

DR. JENNIFER BRADTKE, BA, MA, PsyD. CGP

Director of Counseling Center and Clinical Psychologist
Specialty Certifications: Certified Group Psychotherapist (CGP)

LESLEY BROADBELT, BS

Manager of Financial Aid

JEFFREY FAZIO, AS, BFA, MED

Manager of Student Engagement and Professional Standards

SEBASTIAN HENRY

Supervisor of Customer Service

ALJAY PIERRE, MD

Director of Health Services, Student Clinic

DR. ROXANNE SCHREIBER, PhD

Student Success Center Manager

ADELE STRAUN, MMI

Manager of Housing

ISHA WEBSTER, BA, MPM

Specialist, Student Affairs and Bursar

RUVSM FACULTY

DR. NICOLE ABRAMO, DVM, CVA

Clinical Instructor and RUVC Clinician
Veterinary School: Ross University
Additional Degrees: BS in Biology, State University of New York College at Fredonia, CVA Chi Institute
Special Certification: Certified Veterinary Acupuncturist (CVA)

ELPIDA ARTEMIOU, BSc, MSc, PhD

Director of Center for Research and Innovation in Veterinary and Medical Education, Associate Professor of Communications
Degrees: McGill University (BSc, MSc), University Ambrosiana (PhD)

HARUTYN AVSAROGLU, DVM, MSc, PhD, DECLAM

Director of Animal Resources
Veterinary School: Utrecht University
Additional Degrees: Utrecht University (PhD), Utrecht University (Dipl. ECLAM)

ANNE A.M.J. BECKER, DVM, MSc, PhD

Assistant Professor of Microbiology
Veterinary School: Faculty of Veterinary Medicine, Ghent University, Belgium (MVSc, DVM equivalent)
Additional Degrees: Faculty of Sciences, Ghent University (PhD; discipline Microbial Ecology); Faculty of Psychology and Pedagogic Science, Ghent University (MEd; PGCE); University of West England, Bristol, UK (PgDip Science Communication)

AMY BEIERSCHMITT, BSc, DVM - ADJUNCT PROFESSOR

Veterinary School: Ross University School of Veterinary Medicine
Additional Degree: University of California, Davis (BSc)

DON BERGFELT, BS, MS, PhD

Head, Department of Biomedical Sciences Professor of Biomedical Sciences
Degrees: University of Wisconsin-Madison (BS, MS, PhD)

LARRY BETANCE, BSc, DVM

Associate Professor of Small Animal Medicine
Veterinary School: Ross University School of Veterinary Medicine
Additional Degree: University of California, Davis (BSc)

POMPEI BOLFA, MSc, DVM, PhD, DACVP

Head, Division of Pathology
Associate Professor of Anatomic Pathology
Veterinary School: University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, Romania
Additional Degrees: Radiology and Clinical Veterinary Medicine, University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, Romania (MSc, PhD)
Specialty Certification: Diplomate, ACVP

HELLE BORK-LARSEN, DVM

Assistant Professor of Clinical Skills
Veterinary School: The Royal Veterinary and Agricultural University, Copenhagen, Denmark (DVM)

RUVSM FACULTY (continued)

MELISSA BUCKNOFF, DVM, DACVECC

Assistant Professor of Biomedical Sciences and Clinical Pharmacology
Veterinary School: Ross University School of Veterinary Medicine
Additional Degrees: Bachelor of Science (BS) from Virginia Tech, Diplomate of the College of Emergency & Critical Care (DACVECC) after training at Tufts University

JULIETTE BOUILLON, DMV, MVetSc, DACVIM

Assistant Professor of Small Animal Internal Medicine
Veterinary School: University of Liege (Belgium)
Additional Degrees: MVetSc, University of Saskatoon (WCVM), Canada
Specialty Certifications: Diplomate of the American College of Veterinary Internal Medicine (Small Animal Internal Medicine)

PATRICK BUTAYE, DVM, PhD

Professor of Microbiology
Veterinary School: Ghent University
Additional Degree: Ghent University (PhD)

SEAN CALLANAN, PhD, MVB, CERT VR, MRCVS, FRCPATH, DECVP

Dean and Professor of Anatomic Pathology
Veterinary School: University College Dublin
Additional Degrees: University of Glasgow (PhD)
Specialty Certification: Diplomate ECVP

NINIAN CAMERON-BLAKE, DVM

Clinical Instructor and RUVC Clinician
Veterinary School: Ross University School of Veterinary Medicine

RYAN CAVANAUGH, DVM, DACVS

Assistant Dean for Clinical Placement and Associate Professor of Small Animal Surgery
Veterinary School: Colorado State University
Specialty Certification: Diplomate ACVS-SA, ACVS Founding Fellow, Surgical Oncology

SARAH CAVANAUGH, DVM, DACVIM

Assistant Professor of Small Animal Medicine
Veterinary School: Ross University School of Veterinary Medicine
Additional Degrees: University of Florida (BS), Colorado State University (MS & Residency in Cardiology)
Specialty Certification: Diplomate ACVIM

RONAN CHAPUIS, DEDV, MSc, DACVIM-LA

Assistant Professor of Large Animal Medicine
Veterinary School: Ecole Nationale Veterinaire Agroalimentaire et de l'Alimentation (ONIRIS), France
Additional Degree: MSc, Western College of Veterinary Medicine (University of Saskatchewan), Canada
Specialty Certifications: Diplomate of the American College of Internal Medicine, Large Animal

RUVSM FACULTY (continued)

ASPINAS CHAPWANYA, BSc, BVSc, MVM, PhD

Associate Professor of Theriogenology
Veterinary School: Faculty of Veterinary Science, University of Zimbabwe
Additional Degrees: University of Zimbabwe (BSc), Trinity College Dublin (PhD)

LUIS CRUZ-MARTINEZ, DVM, MSc, PhD

Assistant Professor of Conservation Medicine
Veterinary Degree: National School University of Costa Rica
Additional Degrees: University of Minnesota (MSc), University of Calgary (PhD)

PEDRO DE PEDRO, DVM, MSc, DACVIM

Assistant Professor of Clinical Pharmacology
Veterinary School: Ross University School of Veterinary Medicine
Additional Degrees: University of Wisconsin (BSc), University of Illinois, (MSc) Specialty Certification: Diplomate, ACVIM –LAIM Equine

RENATA CATRIONA DE ROSAYRO, BVetMed, MRCVS

Clinical Instructor and RUVC Clinician
Veterinary School: Royal Veterinary College, University of London

CRISTIAN DEZDROBITU, DVM, MSc, PhD

Assistant Professor of Anatomy
Veterinary School: University of Agricultural Sciences and Veterinary Medicine,
Faculty of Veterinary Medicine, Cluj Napoca, Romania
Additional Degrees: University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca (MSc, PhD)

BRIGHTON DZIKITI, BVSc, MSc, PhD

Associate Professor of Veterinary Anesthesiology
Veterinary School: University of Zimbabwe
Additional Degrees: Veterinary Anesthesia, Utrecht University, The Netherlands (MSc), University of Pretoria, South Africa (PhD)

ANDRE ESCOBAR, DVM, MS, PhD, DCBAV

Assistant Professor of Anesthesiology
Veterinary School: Federal University of Minas Gerais (UFMG), Brazil
Additional Degrees: MS, Sao Paulo State University (UNESP), Brazil, PhD Sao Paulo State University (UNESP), Brazil
Specialty Certifications: Diplomate of the Brazilian College of Veterinary Surgery and Anesthesia (CBCAV) - Anesthesia specialty

JAMES FAIRS, BVSc, MRCVS

Director, Ross University Veterinary Clinic Clinical Assistant Professor
Veterinary School: University of Liverpool

MARK FREEMAN, BSc, PhD

Professor of Aquaculture
Veterinary School: Bangor University, Wales (BSc)
Additional Degrees: University of Stirling, Scotland (PhD)

RUVSM FACULTY (continued)

ANNE FRENCH MVB MBA PhD CERTSAM DVC DECVIM-CA(CARDIOLOGY) MRCVS FHEA

Professor and Head of Department of Clinical Sciences
Veterinary School: University College Dublin, Ireland.
Additional Degrees: PhD, MBA
Certification: CertSAM, DVC, DipECVIM-CA(Cardiology)

HILARI FRENCH, DVM, PhD, DACT, DABVP (FOOD ANIMAL)

Associate Professor in Theriogenology & Assistant Dean for Academic Program Delivery
Veterinary School: Louisiana State University
Additional Degrees: Louisiana State University (PhD)
Specialty Certification: Diplomate, ACT; Diplomate, ABVP

CHRISTA GALLAGHER, BSc, DVM, MPH, DACVPM

Associate Professor of Veterinary Public Health and Epidemiology
Veterinary School: Ross University School of Veterinary Medicine
Additional Degrees: State University of New York Albany (BSc), University of Iowa (MPH)
Specialty Certification: Diplomate, ACVPM

SOUVIK GHOSH, BVSC, MVSc, PhD

Director, One Health Center for Zoonosis & Tropical Veterinary Medicine, Professor of Virology
Veterinary School: West Bengal University of Animal & Fishery Sciences, India
Additional Degrees: West Bengal University of animal & Fishery Sciences, India (BVSc, AH, MVSc),
National Institute of Cholera Enteric Diseases, India (PhD)

ROBERT GILBERT, BVSc, MMedVet, DACT, FRCVS

Associate Dean of Academic Affairs Professor of Theriogenology
Veterinary School: BVSc (DVM equivalent) University of Pretoria,
Additional Degrees: MMedVet, University of Pretoria, Specialty Certification: Diplomate, American
College of Theriogenologists, Fellow of the Royal College of Veterinary Surgeons (FRCVS)

SARA HOOPER, DVM, PhD

Assistant Professor, Physiology
Veterinary School: University of Georgia, College of Veterinary Medicine
Additional Degrees: University of Missouri, College of Veterinary Medicine (PhD), University of Georgia,
College of Agricultural and Environmental Sciences Avian Biology (BSa)

PRITI KARNIK, DVM, MS, DACVS-SA

Head, Small Animal Division, Assistant Professor of Small Animal Surgery
Veterinary School: Ross University School of Veterinary Medicine
Additional Degrees: Virginia Maryland Regional College of Veterinary Medicine (MS)
Specialty Certificate: Diplomate, DACVS-SA

PATRICK KELLY, BVSc, MSc, PhD

Professor of Small Animal Medicine Veterinary School: University of Pretoria
Additional Degrees: University of the Witwatersrand (MSc), University of Zimbabwe (PhD)

RUVSM FACULTY (continued)

JENNIFER KETZIS, MSc, PhD

Professor of Parasitology
Degrees: Cornell University (BSc, MSc, PhD)

SANET KOTZE, BVSC, PhD

Associate Professor of Anatomy
Veterinary School: University of Pretoria
Additional Degrees: University of Pretoria (PhD)

AILBHE KING, MVB

Assistant Professor of Production Animal Medicine
Veterinary School: University College Dublin (UCD)

DARRYN KNOBEL, BVSc, MSc, PhD

Director, Center for Conservation Medicine & Ecosystem Health and Professor, Epidemiology and Population Health
Veterinary School: University of Pretoria
Additional Degrees: University of Pretoria (MSc), University of Edinburgh (PhD)

Hélène Lardé, DVM, MSc, DACVS-LA

Assistant Professor of Large Animal Surgery
Veterinary School: National Veterinary School of Alfort (France)
Additional Degrees: University of Montreal (MSc)

ERIKA LITTLE, MSc, DVM, DACVS

Interim Associate Dean for Clinical Affairs & Professional Opportunities, Associate Professor of Clinical Sciences
Veterinary School: Kansas State University
Additional Degrees: Colorado State University (BS), Auburn University (MSc)
Specialty Certification: Diplomate, ACVS

WILLIAM (BRADY) LITTLE, BSc, MSc, DVM

Assistant Professor of Anatomy
Veterinary School: Kansas State University
Additional Degrees: University of Nebraska Lincoln (BSc), Ross University School of Veterinary Medicine (MSc)

JILL MANEY, VMD, DACVAA, CVA

Associate Professor of Anesthesiology Veterinary School: University of Pennsylvania
Additional Degree: Pennsylvania State University (BS)
Specialty Certifications: Diplomate, ACVAA, Certified Veterinary Acupuncturist (CVA)

SAMSON MUKARATIRWA, DVM, MVSc, PhD

Interim Associate Dean for Research and Graduate Studies
Research Professor, One Health Center for Zoonoses and Tropical Veterinary Medicine
Veterinary School: University of Zimbabwe
Additional Degrees: University of Liverpool (MVSc); University of Copenhagen (PhD)
Specialty Certification: Biostatistics and Data Handling; Population Genetics; Identification of Veterinary and Medical Helminths of Economic Importance

RUVSM FACULTY (continued)

ANANDA MULLER, DVM, MSc, PhD

Assistant Professor of Veterinary Bacteriology
Veterinary School: Universidade Federal Fluminense, Brazil
Additional Degrees: Universidade Federal Fluminense (MSc, PhD)

MARIA JOSE NAVARRETE TALLONI, DVM, MPVM, PhD

Assistant Professor of Anatomic Pathology
Veterinary School: Universidad de Chile
Additional Degrees: University of California Davis (MPVM), University of Veterinary Medicine Hannover (PhD in the discipline of Pathology)

LUCAS NOLAZCO, MSc, DVM, DACVS

Assistant Professor of Large Animal Surgery
Veterinary School: University of Buenos Aires, School of Veterinary Medicine (DVM)
Additional degrees: Washington State University (MSc)
Specialty Certification: Diplomate, ACVS

ANDREA PEDA, MSc, DVM

Assistant Professor of Shelter Medicine
Veterinary School: Ross University School of Veterinary Medicine
Additional Degree: West Chester University (BSc), University of Florida (MSc)

MARY PEREIRA, MSc, DVM

Associate Professor of Communications
Veterinary School: Ross University School of Veterinary Medicine
Additional Degrees: Clemson University (BSc), Ross University School of Veterinary Medicine (MSc)

ERIK PETERSON, DVM

Assistant Professor of Large Animal Medicine
Veterinary School: Ross University School of Veterinary Medicine
Additional Degree: Virginia Commonwealth University (BS)

ERIC POPE, MS, DVM, DACVS

Professor of Small Animal Surgery
Veterinary School: Auburn University
Additional Degree: Auburn University (MS)
Specialty Certification: Diplomate, ACVS

NATALIE RAGLAND, DVM, DACLAM

Assistant Professor of Biomedical Sciences
Veterinary School: Ross University School of Veterinary Medicine

GILDA RAWLINS, DVM

Instructor of Diagnostic Imaging
Veterinary School: Ross University School of Veterinary Medicine

RUVSM FACULTY (continued)

KERRY ROLPH BVM&S CERTVC PhD FANZCVS DECVIM-CA MRCVS

Associate Professor of Small Animal Surgery
Veterinary School: University of Edinburgh
Additional Degree: PhD (University of Edinburgh)
Specialty Certification: RCVS Certificate in Veterinary Cardiology, RCVS Specialist in Feline Medicine, Fellow ANZCVS (Feline Medicine), Diplomate ECVIM (Small Animal Internal Medicine)

IBRAHIM SHOKRY, BVSc, MVSc, PhD

Professor of Pharmacology and Toxicology
Veterinary School: Cairo University, BVSc
Additional Degrees: Cairo University, MVSc, PhD

ADAM SILKWORTH, DVM

Clinical Assistant Professor and RUVC Clinician
Veterinary School: Ross University School of Veterinary Medicine

NIGEL SMITH, BVetMed MRCVS

Clinical Instructor and RUVC Clinician
Veterinary School: Royal Veterinary College, London, UK
Certfication: Certificate in Small Animal Surgery

KIMBERLY STEWART, BS, MS, DVM

Associate Professor of Special Species
Veterinary School: Ross University School of Veterinary Medicine
Additional Degrees: Georgia Southern University (BS, MS)

MARY ANNA THRALL, MS, DVM, DACVP

Professor of Clinical Pathology Veterinary School: Purdue University
Additional Degree: Colorado State University (MS)
Specialty Certification: Diplomate, ACVP

FELIX TOKA, DVM, PhD, DSc, DACVM

Professor of Veterinary Immunology and Virology
Veterinary School: Warsaw Agricultural University
Additional Degrees: Warsaw Agriculture University (PhD), Warsaw University of Life Sciences (DSc)
Specialty Certification: Diplomate, American College of Veterinary Microbiology, subspecialty Immunology

MATTHEW VALENTINE, BVSc, PhD

Assistant Professor of Pathology
Veterinary School: University of Glasgow Scotland, UK
Additional Degrees: Ross University School of Veterinary Medicine (PhD)

MICHEL VANDENPLAS, BSc, MSc, PhD

Senior Scientist
Degrees: University of Stellenbosch, South Africa (BSc, MSc, PhD)

RUVSM FACULTY (continued)

ALINE VIEIRA, DVM, MSc, PhD

Associate Professor, Physiology
Veterinary School: Universidade Federal do Rio de Janeiro, Brazil
Additional Degrees: Universidade Federal do Rio de Janeiro - Brazil (Msc), Oswaldo Cruz Foundation – Brazil (PhD)

CYNTHIA XUE, BSc, DVM

Assistant Professor of Equine Internal Medicine
Veterinary School: Cornell University, College of Veterinary Medicine
Additional Degree: Rutgers University, School of Environmental and Biological Sciences (BSc)

CHAOQUN YAO, MD, PhD

Professor of Parasitology
Medical School: Tongji Medical University
Additional Degrees: University of Georgia (PhD)

KATHLEEN YVORCHUK–ST. JEAN, DMV, DACVIM

Assistant Dean of Competency-Based Veterinary Education
Professor of Large Animal Internal Medicine
Veterinary School: University of Montreal, Canada
Specialty Certification: Diplomate, ACVIM-LAIM-Equine

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ROSS VET CAMPUS MAP

1 Dean's Office

2 Anatomy Lab
Anatomy Museum
Construction Shop

3 Computer Teaching Lab
Faculty Offices I
Toxic Garden

4 Upper Auditorium
Lower Auditorium
Chelonian Lab
Marine Lab

5 Classroom I
Classroom II
Student Union
Gym

6 Exam Centre
Stanley Mark Dennis Library
Multipurpose Lab

7 IT Department
Counseling Center
Faculty Offices II

8 Student & Research Administration

9 Administrative Conference
Colleague Lounge South Room
Faculty Offices III

10a Facilities Department
Campus Health Services
Human Resources
Faculty Office IV

10b Building Maintenance

11 Clinical Skills Lab

12 Purchasing Department &
Colleague Lounge North

13 Dog Kennels

14 Ross University Veterinary Clinic
Lab Services
Theriogenology Lab
Multipurpose Animal Facility
Caribbean Conference Room
Housekeeping Office
Clinician's Offices

15 Simulation Lab

16 Academic Hub

17 Security Posts
a - Post 1
b - Post 2
c - Post 3

18 Barns

19 Maintenance &
Electrical Compound

20 Aviary

21 Large Animal Research Park

22 Preparatory School

23 Tegreman Hall

24 Columbus Hall

25 Douglas Hall

26 The Wedge

27 Woods Hall

28 Cleghorn Hall

29 Sewage Treatment Plant

30 Hills

31 Food Court

32 K9 Kennels

33 Dog Park

34 Research and Pathology
Necropsy

35 South Campus
(Recreational Area)

36 Large Animal Teaching Facility
Large Animal Treatment
Large Animal SOAP Room



ADDENDUM *Effective February 23, 2022*

DEGREE PROGRAMS–DOCTOR OF VET MEDICINE (continued) p.37

PRE-CLINICAL CURRICULUM & COURSE DESCRIPTIONS

2020 AND BEYOND

Curriculum information for those students expected to graduate after 2020.

SEMESTER	COURSE NO.	COURSE TITLE	CREDITS
Four	VMI 5412	Essential Veterinary Skills 4	1
	VPP 5431	Applied Animal Nutrition	3
	VPA 5443	Pathology II	5
	VPA 5448	Clinical Pathology	6
	VPP 5334	Pharmacology	5
	VMS 5475	Veterinary Public Health	3.5
	VMP 5452	Clinical Reasoning Skills III	1

DEGREE PROGRAMS–DOCTOR OF VET MEDICINE (continued) p.40

Semester 2

VMP 5252

CLINICAL REASONING SKILLS I (1 CREDIT)

This course provides a forum for building clinical reasoning skills using cases and interactive learning methods. The course continues through semester 4, with each semester focusing on different aspects of the steps in clinical reasoning. This course, in Semester 2, focuses on history taking, developing a problem list and developing a differentials list or hypothesis list.

DEGREE PROGRAMS–DOCTOR OF VET MEDICINE (continued) p.41

Semester 3

VMP 5352

CLINICAL REASONING SKILLS II (1 CREDIT)

This course provides a forum for building clinical reasoning skills using cases and interactive learning methods. The course is a continuation of CRS 1, with each semester focusing on different aspects of the steps in clinical reasoning. Semester 3 (CRS 2) focuses on developing a problem list, developing a differentials list or hypothesis list and interpreting diagnostic test results. The core knowledge area(s) and aspect of clinical reasoning addressed in each session will be highlighted/summarized, when appropriate, to increase awareness of how the knowledge is integrated and used in the reasoning process.

ADDENDUM (continued)

DEGREE PROGRAMS–GRADUATE STUDIES p.42

Semester 4

VMP 5452

CLINICAL REASONING SKILLS III (1 CREDIT)

This course provides a forum for building clinical reasoning skills using cases and interactive learning methods. The course is a continuation of CRS 1 and 2, with each semester focusing on different aspects of the steps in clinical reasoning. Semester 4 (CRS 3) focuses on directing history taking, prioritizing problems on the problem list, relating differentials list/hypothesis list to problems, history and diagnostic test selection, and interpreting diagnostic test results. The core knowledge area(s) and aspect of clinical reasoning addressed in each session will be highlighted/summarized, when appropriate, to increase awareness of how the knowledge is integrated and used in the reasoning process.

DEGREE PROGRAMS–GRADUATE STUDIES p.60

VETPG-141A

EPIDEMIOLOGY (2 CREDITS)

This course examines the principles of Epidemiology for One Health practitioners. Through lectures, hands-on practical exercises and discussions, students will develop knowledge of some of the basic epidemiological tools available. Through active participation, students can get extremely valuable information and exchange personal/professional experiences that will facilitate their learning experience. The course focus will be on epidemiological causal concepts; principles of sampling and questionnaire design, measures of disease frequency; observational studies and bias; measures of association; systematic reviews and participatory epidemiology. All these tools will build a foundation on future One Health professionals.

VETPG-141B

BIOSTATISTICS (3 CREDITS)

This course examines the principles of Biostatistics for One Health practitioners. Through lectures, hands-on practical exercises and discussions, students will develop knowledge of descriptive and inferential statistics. The course will also provide students the opportunity to gain a strong foundation in the use and interpretation of biostatistics.

ADDENDUM (continued)

CERTIFICATE PROGRAMS (continued) p.69

COURSES	CREDITS	LEARNING OUTCOMES
VETPG141A Epidemiology	2	▪ Understand principles of sampling and evaluate sampling strategies ▪ Develop an effective questionnaire ▪ Identify and calculate measures of disease frequency ▪ Evaluate screening and diagnostic tests ▪ Calculate and interpret measures of association ▪ Recognize bias in observational studies ▪ Define concepts of infectious disease epidemiology ▪ Explain participatory epidemiology and identify when used
VETPG141B Biostatistics	3	▪ Demonstrate knowledge of data types and appropriate graphing techniques ▪ Demonstrate knowledge of measures of central tendency and dispersion, means, median, mode standard deviations ▪ Demonstrate knowledge of some sampling techniques ▪ Identify and use sampling distributions ▪ Use the central limit theorem ▪ Calculate and interpret confidence intervals ▪ Carry out hypothesis testing and interpret the output ▪ Carry out linear and logistic regression and interpret the output ▪ Identify data that requires survival analysis techniques

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