

Doctor of Veterinary Medicine Program

The academic professional program calls for two phases of education: a preclinical three-year phase and a clinical phase in the fourth year of training. The first through the third years of the professional program are concerned with a gradual progression from a basic science presentation to a more clinical application of veterinary science. Two summer-vacation periods are allowed in the first three years of the professional program.

The clinical program at NC State Veterinary Medicine provides a heavy emphasis for actual "hands-on" clinical practice and is demanding both physically and mentally. Students select "species priority areas" to increase their depth of training in their intended area of post-graduate activity, while still retaining a broad based veterinary education. There are five species priority areas from which to choose:

- Small Animal
- Farm Animal
- Equine
- Mixed Animal
- Zoological and Lab Animal Health

First year students engage in exploration of foundational science and medical concepts using a comparative (multi-species) approach designed around bodily systems. This learning is supplemented by training in communications, team-based problem solving, professionalism and clinical reasoning. In addition to the courses below students will be required to complete one 1 credit selective course in each of the fall and spring semesters.

Course	Title	Hours
First Year		
Fall Semester		
VET 910	DVM Professional Year One Seminar 1	1
VET 911	Animal Health and Disease 1	4.5
VET 912	Becoming a Professional 1	2
VET 913	Exams and Interventions 1	2
VET 914	Form and Function 1	9
VET 915	Integrated Applications 1	1.5
Hours		20
Spring Semester		
VET 920	DVM Professional Year One Seminar 2	1
VET 921	Animal Health and Disease 2	6
VET 922	Becoming a Professional 2	1.5
VET 923	Exams and Interventions 2	2
VET 924	Form and Function 2	7.5
VET 925	Integrated Applications 2	1
Hours		19
Total Hours		39

Second year students build upon their foundational learning through application of skills in live and simulated contexts. This practice is supplemented by communications labs with live actors, tackling complex case scenarios, and discussion of career path opportunities. In addition

to the courses listed below students will be required to complete one 1 credit selective course in each of the fall and spring semesters.

Course	Title	Hours
Second Year		
Fall Semester		
VET 931	Animal Health and Disease 3	8.5
VET 932	Becoming a Professional 3	2
VET 933	Exams and Interventions 3	6
VET 934	Form and Function 3	4.5
VET 935	Integrated Applications 3	1
Hours		22
Spring Semester		
VET 941	Animal Health and Disease 4	9.5
VET 942	Becoming a Professional 4	3
VET 943	Exams and Interventions 4	4
VET 944	Form and Function 4	1
VET 945	Integrated Applications 4	1
Hours		18.5
Total Hours		40.5

Third year students kick off the Fall Semester with a four week preceptorship field experience. On returning to campus, they practice advanced application of their medical skills and knowledge with complex cases across multiple species and contexts. Supplemental content reviews core principles from Year One and prepares students for entry to clinics. Students will have the opportunity to choose from a menu of core electives, with a requirement to take two credit hours in Fall and four credit hours in the Spring. These allow for targeted learning fit to their specific career interests. In addition, students will take one 1 credit selective course in the Fall semester and a required 2 credit selective, VMP 992 Clinical Pathology & Lab Medicine, in the spring which serves as the introduction to fourth year clinical rotations.

Course	Title	Hours
Third Year		
Fall Semester		
VET 950	DVM Preceptorship	3
VET 951	Animal Health and Disease 5	8
VET 952	Becoming a Professional 5	2
VET 953	Exams and Interventions 5	7
VET 955	Integrated Applications 5	1
Hours		21
Spring Semester		
VET 961	Animal Health and Disease 6	10
VET 962	Becoming a Professional 6	2
VET 963	Exams and Interventions 6	4.5
VET 964	Form and Function 6	1.5
VET 965	Integrated Applications 6	1
VMP 992	SP Top in PHP	2
Hours		21
Total Hours		42

Students must complete 49 credits in the fourth year: 46 credits of clinical rotations and three credits in Clinical Conference. The clinical year consists of a combination of core and elective rotations that are

determined based upon a student's declared species priority area with two vacation blocks. Clinical Conference presentations are required of each student.

The clinic scheduling process begins in fall of third year with information sessions with senior clinicians and/or clinical coordinators, Academic Affairs, and Students Services.

Code	Title	Hours
VMC 996	Advanced Exotic Animal Medicine	2
VMC 959	Primate Medicine	2-4
VMC 958	Prosimian Medicine	2
VMP 975	Advanced Topics in Veterinary Anatomic Pathology	1-6
VMB 977	Clinical Anesthesia Rotation	2
VMC 998	Basic Wildlife Rehabilitation Medicine	2
VMC 972	Clinical Small Animal Veterinary Cardiology	2
VMB 978	Clinical Behavior & Nutrition	2
VMC 995	Clinical Conference	1
VMP 978	Clinical Pathology and Laboratory Medicine	2
VMB 962	Clinician Scientist Research Experience	1-10
VMC 983	Dermatology	2
VMP 979	Epidemiology	2
VMC 966	Equine Emergency and Critical Care	2
VMC 978	Equine Lameness and Imaging	2
VMC 979	Equine Medicine	2
VMC 968	Equine Orthopedic Surgery and Lameness	2
VMC 949	Equine Primary Care	4
VMC 993	Equine Special Topics	2
VMC 975	Equine General Surgery	2
VMC 988	Exotic Animal Medicine	2
VMC 946	Extramural Business Management Experience	2
VMC 955	Extramural Experiences in Lab An Med	2
VMP 994	Extramural Experience in Pathology	1-4
VMC 994	Small Animal 4th Year Externship	1-6
VMC 963	Extramural Experience in Zoological Medicine	2
VMP 971	Food Animal Diagnostics for Disease Diagnosis, Control, and Population Surveillance	2
VMP 976	Food Animal Pharmacology	2
VMP 977	Necropsy	2
VMP 974	Food Supply Veterinary Medicine	2
VMC 939	Small Animal Primary Care	2
VMC 981	Lab Animal Medicine	2
VMC 974	Equine Dentistry and Podiatry	2
VMC 986	Adv Com An Int Med	2
VMC 971	Comp Animal Med II	4
VMC 954	Companion Animal Medicine for Food Animal Students	2
VMC 984	Intro Clin Neuro	2
VMC 980	Vet Medical Oncology	2
VMC 982	Ophthalmology	2
VMP 982	Poultry Health Management I	2
VMP 983	Poultry Health Management II	2
VMC 948	Clinical Rotation in Veterinary Radiation Oncology	2

VMB 976	Radiology Rotation	2
VMC 997	Raptor Medicine and Rehabilitation	2
VMC 930	Rehabilitation and Mobility Clinical Rotation	2
VMP 970	Ruminant Primary Care	2
VMP 972	Advanced Ruminant Medicine Topics	2
VMP 987	Ruminant Topics	2
VMC 950	Sea Turtle Medicine and Rehabilitation	2
VMC 960	Small Animal Emergency Service	2
VMC 973	Small Animal Surgery (Topics Include: Small Animal General Surgery; Small Animal Orthopedic Surgery)	2
VMP 973	Special Topics in Epidemiology	2
VMC 941	Special Topics in Theriogenology	2
VMP 984	Swine Health Management I	2
VMP 985	Swine Medicine & Production II	2
VMC 940	Clinical Theriogenology	2
VMB 976	Radiology Rotation (Ultrasound)	2
VMC 976	Veterinary Critical Care	2
VMP 999	Extramural in Vet International Programs	2
VMC 989	Zoological Medicine	4
VMC 947	Practice Management: Evaluating the workflow, services, and financial performance of a hospital	2
VMP 990	Extramural Experiences - Large Animal (Topics include: Extramural Experiences in Equine; Extramural Experiences in Food Animal/Mixed Animal)	2