


Department of Veterinary Medicine
Bachelor of Veterinary Medicine Model Study Plan (2022-2023 Cohort onwards)

For Students Admitted to the University from the Fall Semester
 Total Degree Credit hours: 152

Semester	Course Code	Course Title	CH	Course type
Year 1 1 (Fall)	ESPU106	Introduction to Academic English For Food & Agriculture	3	Gen Ed Course (Cluster 1: Area 2: English Communication)
	ISLM100/ISLM101	Islamic Culture/Biography of the Prophet "Sira"	3	Gen Ed Course (Cluster 2: Area 4: Islamic Culture)
	BIOC100	Basic Biology I	3	Gen Ed Course (Cluster 3: Area 1: Natural Sciences)
	MATH105	Calculus I	3	Gen Ed Course (Cluster 1: Area 5: Quantitative Reasoning)
	PHYS105	General Physics I	3	Specialization
			15	
Year 1 2 (Spring)	HSS105	Emirates Studies	3	Gen Ed Course (Cluster 2: Area 3: Emirates Society)
	CHEM111	General Chemistry I	3	Specialization
	STAT235	Statistics for Biology	3	Specialization
	GEIE222	Fundamentals of Innovation and Entrepreneurship	3	Gen Ed Course (Cluster 1: Area 1: Innovation and Entrepreneurship)
	Elective	Student choice	3	Gen Ed Course (Cluster 2: Area 2: Social and Behavioral Sciences)
			15	
Year 2 3 (Fall)	VMED120	Animal Husbandry	3	Specialization
	VMED100	Animal Anatomy I	3	Specialization
	VMED210	Animal Physiology	3	Specialization
	CHEM282	Organic Chemistry for Non-Majors	3	Specialization
	PHI180	Critical Thinking	3	Gen Ed Course (Cluster 1: Area 4: Critical Thinking)
			15	
Year 2 4 (Spring)	CHEM283	Biochemistry for Non-Majors	3	Specialization
	VMED250	Immunity and Infection (Microbiology) I	3	Specialization
	VMED150	Animal Anatomy II	4	Specialization
	VMED370	Histology	3	Specialization
	Elective	Student choice	3	Gen Ed Course (Cluster 2: Area 1: Humanities and Fine Arts)
			16	
Year 3 5 (Fall)	ARAG316	Animal Nutrition	3	Specialization
	ARAG475	Molecular Biology Genetics	3	Specialization
	VMED280	Immunity and Infection II	3	Specialization
	VMED310	Parasitology	3	Specialization
	VMED320	Pathology	4	Specialization
			16	
Year 3 6 (Spring)	VMED260	Neuroscience	3	Specialization
	VMED300	Pharmacology and Toxicology	3	Specialization
	VMED340	Clinical pathology and propaedeutic	3	Specialization
	GEIT112	Fourth Industrial Revolution	3	Gen Ed Course (Cluster 1: Area 3: Fourth Industrial Revolution)
	GESU121	Sustainability	3	Gen Ed Course (Cluster 3: Area 2: Sustainability)
			15	
Year 4 7 (Fall)	VMED350	Infectious Diseases	3	Specialization
	VMED360	Camels and Equine Medicine	3	Specialization
	VMED385	Meat Hygiene	2	Specialization
	VMED390	Training in meat inspection (Slaughter House)	1	Specialization
	VMED330	Poultry Medicine	3	Major Elective
	VMED445	Large animals (Cattle & Dairy Cattle)	3	Major Elective
			15	
Year 4 8 (Spring)	VMED420	Anesthesiology	2	Specialization
	VMED460	Companion Animal Medicine	2	Specialization
	VMED510	Ophthalmology and Dermatology	2	Specialization
	VMED470	Falcon Medicine	2	Major Elective
	VMED475	Exotic and Laboratory Animal Medicine	1	Major Elective
	VMED490	Training in Clinical Surgery (Animal Hospital)	1	Specialization
	VMED520	Diagnostic imaging	2	Specialization
	VMED270	Presentation of selected clinical cases	1	Specialization
	VMED380	case studies	1	Specialization
			14	
Year 5 9 (Fall)	VMED410	Surgery	4	Specialization
	VMED440	Sheep and goat medicine	3	Specialization
	VMED395	Training in Camels & Equine Sport Medicine (Animal Hospital)	1	Specialization
	VMED495	Training in Sheep & Goats Med & Surgery (Animal Hospital)	1	Specialization
	VMED430	Case Studies II	1	Specialization
	VMED450	Therigenology	3	Specialization
			13	
Year 5 10 (Spring)	VMED400	Preventive medicine	2	Specialization
	VMED530	Seminar in Veterinary Science	1	Specialization
	VMED580	Senior Research Project	3	Specialization
	VMED590	Internship in Animal Hospital	9	Internship
			15	


Department of Veterinary Medicine
Bachelor of Veterinary Medicine Model Study Plan (2024-2025 Cohort onwards)

For Students Admitted to the University from the Fall Semester
 Total Degree Credit hours: 175

Semester	Course Code	Course Title	CH	Course type
Year 1 1 (Fall)	VMED111	Veterinary Biochemistry	3	Specialization
	GEIS101	Biography of the Prophet "Sira"	3	Gen Ed Course (Cluster 2: Area 4: Islamic Culture)
	BIOC100	Basic Biology I	3	Gen Ed Course (Cluster 3: Area 1: Natural Sciences)
	VMED105	Introduction to Veterinary Medicine	3	Gen Ed Course (Cluster 2: Area 2: Social and Behavioral Sciences)
	VMED109	Veterinary Physiology 1	2	Specialization
	GEEM105	Emirates Studies	3	Gen Ed Course (Cluster 2: Area 3: Emirates Society)
			17	
Year 1 2 (Spring)	VMED122	Animal Breeding & Genetics	2	Specialization
	VMED115	Principles of Sustainable Animal Husbandry and Welfare	4	Gen Ed Course (Cluster 3: Area 2: Sustainability)
	VMED125	Veterinary Anatomy 1	3	Specialization
	VMED130	Veterinary Physiology 2	3	Specialization
	VMED135	Animal Nutrition & Health	3	Specialization
	VMED145	Introduction to Veterinary Research Methodology	1	Gen Ed Course (Cluster 1: Area 4: Critical Thinking)
			16	
Year 1 Summer	VMED140	Professional Skills in Veterinary Entrepreneurship	3	Gen Ed Course (Cluster 1: Area 1: Innovation and Entrepreneurship)
	GEAE101	Academic English for Humanities and STEM	3	Gen Ed Course (Cluster 1: Area 2: English Communication)
			6	
Year 2 3 (Fall)	VMED200	Veterinary Anatomy 2	4	Specialization
	VMED205	Veterinary Histology & Embryology	3	Specialization
	VMED211	Veterinary Bacteriology & Mycology	4	Specialization
	VMED215	Veterinary Parasitology 1	3	Specialization
	GEIT112	Fourth Industrial Revolution	3	Gen Ed Course (Cluster 1: Area 3: Fourth Industrial Revolution)
			17	
Year 2 4 (Spring)	VMED220	Veterinary Immunology	2	Specialization
	VMED225	Veterinary Anatomy 3	3	Specialization
	VMED230	General Veterinary Pathology	4	Specialization
	VMED235	Veterinary Parasitology 2	2	Specialization
	VMED244	Veterinary Virology	3	Specialization
	VMED245	Veterinary Epidemiology & Biostatistics	3	Gen Ed Course (Cluster 1: Area 5: Quantitative Reasoning)
			17	
Year 2 Summer	VMED255	Pre-Clinical Internship-1	2	Specialization
			2	
Year 3 5 (Fall)	VMED305	Systemic Veterinary Pathology	4	Specialization
	VMED311	Hygiene & Safety of Foods of Animal Origin	4	Specialization
	VMED315	Veterinary Pharmacology & Therapeutics	4	Specialization
	VMED322	Aquatic Animal Health & Diseases	2	Specialization
	VMED325	Veterinary Ethics & Jurisprudence	1	Gen Ed Course (Cluster 2: Area 1: Humanities and Fine Arts)
			15	
Year 3 6 (Spring)	VMED333	Poultry Health & Diseases	3	Specialization
	VMED335	Veterinary Toxicology & Forensic Medicine	2	Specialization
	VMED344	Preventive Medicine & One Health	2	Specialization
	VMED345	General Surgery & Anesthesiology	4	Specialization
	VMED353	Veterinary Clinical Pathology	3	Specialization
	VMED355	Veterinary Diagnostic Imaging	2	Specialization
			16	
Year 3 Summer	VMED375	Pre-Clinical Internship-2	2	Specialization
			2	
Year 4 7 (Fall)	VMED401	Small Animal Medicine	4	Specialization
	VMED405	Ruminant Medicine	4	Specialization
	VMED411	Small Animal Surgery	4	Specialization
	VMED415	Theriogenology-1	4	Specialization
	VMED422	Emergency Care & Ambulatory Medicine	1	Specialization
			17	
Year 4 8 (Spring)	VMED425	Ruminant Surgery	2	Specialization
	VMED433	Camel Medicine & Surgery	3	Specialization
	VMED435	Equine Medicine	3	Specialization
	VMED444	Equine Surgery	3	Specialization
	VMED448	Theriogenology-2	2	Specialization
	VMED451	Falcon, Exotics & Wildlife Medicine & Surgery	4	Specialization
			17	
Year 4 Summer	VMED580	Senior Research Project	3	Specialization
			3	
Year 5 9 (Fall)	VMED500	Small Animal Clinical Practice I	3	Specialization
	VMED505	Production Animal Clinical Practice I	3	Specialization
	VMED511	Veterinary Diagnostic Investigations Practice I	3	Specialization
	VMED515	Equine Clinical Practice I	3	Specialization
	VMED522	Camel Clinical Practice I	3	Specialization
			15	
Year 5 10 (Spring)	VMED525	Veterinary Public Health Rotation I	2	Specialization
	VMED533	Aquatic Animal and Poultry Industries	3	Specialization
	VMED535	Falcon and Companion Birds Clinical Practice I	3	Specialization
	VMED540	Wildlife and Zoo Animals Clinical Practice I	2	Specialization
	VMED545	Sports Animal Medicine & Surgery	2	Specialization
	Elective	Student choice	3	Major Elective
			15	

Department of Veterinary Medicine

Bachelor of Veterinary Medicine Model Study Plan (2025-2026 Cohort onwards)

For Students Admitted to the University from the Fall Semester

Total Degree Credit hours: 175

Semester	Course Code	Course Title	CH	Course type
1 (Fall)	VMED111	Veterinary Biochemistry	3	Specialization
	BIOC100	Basic Biology I	3	Specialization
	VMED105	Introduction to Veterinary Medicine	3	Gen. Ed. Theme 8: Behavioral and Social Sciences
	VMED108	Veterinary Physiology 1	3	Specialization
	GEEM110	Contemporary Emirati Studies	3	Gen. Ed. Theme 1: UAE National Identity
			15	
2 (Spring)	VMED122	Animal Breeding & Genetics	2	Specialization
	VMED116	Principles of Sustainable Animal Husbandary	3	Gen. Ed. Theme 5: Sustainability
	VMED125	Veterinary Anatomy 1	3	Specialization
	VMED130	Veterinary Physiology 2	3	Specialization
	VMED135	Animal Nutrition & Health	3	Specialization
	VMED145	Introduction to Veterinary Research Methodology	1	Gen Ed Course (Cluster 1: Area 4: Critical Thinking)
			15	
Summer	VMED140	Professional Skills in Veterinary Entrepreneurship	3	Gen. Ed. Theme 4: Entrepreneurship
	GEAE101	Academic English for Humanities and STEM	3	Gen. Ed. Theme 2: Academic Language Proficiency
			6	
3 (Fall)	VMED200	Veterinary Anatomy 2	4	Specialization
	VMED206	Veterinary Histology & Embryology	4	Specialization
	VMED211	Veterinary Bacteriology & Mycology	4	Specialization
	VMED215	Veterinary Parasitology 1	3	Specialization
	GEIT113	Introduction to Artificial Intelligence	3	Gen. Ed. Theme 3: Innovation
			18	
4 (Spring)	VMED221	Veterinary Immunology	3	Specialization
	VMED225	Veterinary Anatomy 3	3	Specialization
	VMED230	General Veterinary Pathology	4	Specialization
	VMED235	Veterinary Parasitology 2	2	Specialization
	VMED244	Veterinary Virology	3	Specialization
	VMED245	Veterinary Epidemiology & Biostatistics	3	Theme 6: Quantitative Reasoning & Critical Thinking
			18	
Summer	VMED255	Pre-Clinical Internship-1	2	Specialization
			2	
5 (Fall)	VMED305	Systemic Veterinary Pathology	4	Specialization
	VMED311	Hygiene & Safety of Foods of Animal Origin	4	Specialization
	VMED315	Veterinary Pharmacology & Therapeutics	4	Specialization
	VMED322	Aquatic Animal Health & Diseases	2	Specialization
	VMED326	Veterinary Ethics, Animal Welfare & Jurisprudence	2	Gen Ed Course (Cluster 2: Area 1: Humanities and Fine Arts)
			16	
6 (Spring)	VMED333	Poultry Health & Diseases	3	Specialization
	VMED335	Veterinary Toxicology & Forensic Medicine	2	Specialization
	VMED344	Preventive Medicine & One Health	2	Specialization
	VMED345	General Surgery & Anesthesiology	4	Specialization
	VMED353	Veterinary Clinical Pathology	3	Specialization
	VMED355	Veterinary Diagnostic Imaging	2	Specialization
			16	
Summer	VMED375	Pre-Clinical Internship-2	2	Specialization
			2	
7 (Fall)	VMED401	Small Animal Medicine	4	Specialization
	VMED405	Ruminant Medicine	4	Specialization
	VMED411	Small Animal Surgery	4	Specialization
	VMED415	Theriogenology-1	4	Specialization
	VMED422	Emergency Care & Ambulatory Medicine	1	Specialization
			17	
8 (Spring)	VMED425	Ruminant Surgery	2	Specialization
	VMED433	Camel Medicine & Surgery	3	Specialization
	VMED435	Equine Medicine	3	Specialization
	VMED444	Equine Surgery	3	Specialization
	VMED448	Theriogenology-2	2	Specialization
	VMED451	Falcon, Exotics & Wildlife Medicine & Surgery	4	Specialization
			17	
Summer	VMED580	Senior Research Project	3	Specialization
			3	
9 (Fall)	VMED500	Small Animal Clinical Practice I	3	Specialization
	VMED505	Production Animal Clinical Practice I	3	Specialization
	VMED511	Veterinary Diagnostic Investigations Practice I	3	Specialization
	VMED515	Equine Clinical Practice I	3	Specialization
	VMED522	Camel Clinical Practice I	3	Specialization
			15	
10 (Spring)	VMED525	Veterinary Public Health Rotation I	2	Specialization
	VMED533	Aquatic Animal and Poultry Industries	3	Specialization
	VMED535	Falcon and Companion Birds Clinical Practice I	3	Specialization
	VMED540	Wildlife and Zoo Animals Clinical Practice I	2	Specialization
	VMED545	Sports Animal Medicine & Surgery	2	Specialization
	Elective	Student choice	3	Major Elective
			15	