

**Curriculum for Master of Science Degrees  
College of Veterinary Medicine**

*Total Credit Hours Required for the Master Degree 32*

**Required Courses**

<b>Course</b>	<b>Semester</b>	<b>Course Number</b>	<b>Credit</b>	<b>Coordinator</b>
Biochemistry	Fall and Spring Semesters	CHEM 0561	3	Jesse Jaynes
Integrative Molecular Biology I	Spring Semester	IBSC 0604	4	Delores Alexander
Biostatistics I	Fall Semester	EVSC 0500	3	Wendall McElhenney
Biostatistics II	Spring Semester	EVSC 0501	3	Wendall McElhenney
Seminar I	Fall Semester	MBIO 0600 / PHSI 0600	1	Graduate Faculty
Research / Thesis	All Semesters	MBIO 0700 / PHSI 0700	6	Graduate Faculty
Candidate for Degree	All Semesters	MBIO 0754 / PHSI 0754	R	Ayman Sayegh
Continuous Registration	All Semesters	MBIO 0752 / PHSI 0752	R	Ayman Sayegh
Methods in Biomedical Research		Create course	1	Temesgen Samuel
Research Ethics		Create course	1	John Heath
<b>Total Hours</b>			<b>22</b>	

**Elective Courses**

<b>Course</b>	<b>Semester</b>	<b>Course Number</b>	<b>Credit</b>	<b>Coordinator</b>
Gross Anatomy I	Fall	ANAT 301G	4	Abdalla Eljack
Gross Anatomy II	Spring	ANAT 302G	5	Ayman Sayegh
Special Problems in Anatomy	All Semesters	ANAT 0506	1-3	Ayman Sayegh Abdalla Eljack
Microscopic Anatomy I	Fall	ANAT 309G	4	Hari Goyal
Microscopic Anatomy II	Spring	ANAT 310G	4	Hari Goyal
Special Problems in Microscopic Anatomy	All Semesters	ANAT 0506	1-3	Hari Goyal
Physiology I	Fall	PHSI 0340G	5	Gemechu Wirtu
Physiology II	Spring	PHSI 0441G	5	Gemechu Wirtu
Special Problems in Physiology		Create course		Deepa Bedi

<b>Course</b>	<b>Semester</b>	<b>Course Number</b>	<b>Credit</b>	<b>Coordinator</b>
Toxicology	Spring	PHSI 0546G	4	Lanell Ogden
Special Problems in Toxicology	All Semesters	PHSI 0619	1-3	Lanell Ogden
Pharmacology I	Fall	PHSI 0442G	3	Gemechu Wirtu
Pharmacology II	Spring	PHSI 0543G	3	Gemechu Wirtu
Special Problems in Pharmacology		Create course		Lanell Ogden
Special Problems in Biomedical Sciences	All Semesters	MBIO 0527G	1-3	Ayman Sayegh
General Pathology	Fall	PATH 426G	4	Frederick Tippet
Systemic Pathology	Spring	PATH 427G	3	Frederick Tippet
Special Problems in Pathology	All Semesters	PATH 0631	1-3	Ebony Gilbreath
Parasitology	Fall	PATH 425G	4	Dennis Anderson
Special Problems in Parasitology	All Semesters	PATH 0632	1-3	Dennis Anderson
Microbiology	Fall	MBIO 411G	1-5	Teshome Yehualaeshet
Special Problems in Microbiology	All Semesters	MBIO 0521	1-3	Gopal Reddy
Immunology	Fall	MBIO 413G	3	Gopal Reddy
Special Problems in Immunology	Fall	Create course		Toufic Nashar
Immunology / Virology Laboratory	Fall	MBIO 414G	1	Toufic Nashar
Virology	Fall	MBIO 412G	2	Toufic Nashar
Special Problems in Virology	Fall	Create course		Toufic Nashar
Interpretation of Clinical Pathology Data	Fall and Summer	PATH 0637G	2	Thomas Graham
Endocrinology	Fall	PHSI 445G	2	Elizabeth Graham
Special Problems in Endocrinology		Create course		Athema Etzioni
Diagnostic Cytology	Fall and Spring	PATH 0636G	3	Elizabeth Graham
Special Problems in Pathobiology	All Semesters	PATH 0630G	3	Ebony Gilbreath
Special Problems in Epidemiology	All Semesters	MBIO 0666G	3	Asseged Bogale
Introduction to Veterinary Surgery	Spring	LMED 0570	3	Ricardo Irrizary Lorraine Linn
Physical Diagnosis	Spring	SMED 0493	1	Karen Copedge
Problem Based Medicine I	Spring	LMED 0494	1	Elizabeth Graham
Problem Based Medicine II	Spring	LMED 0589	1	
Large Animal Medicine I	Fall	LMED 0550	4	Kenneth NewKirk Karen Copedge David McKenzie
Large Animal Medicine II	Spring	LMED 0651	4	David McKenzie JeannieBellamy

<b>Course</b>	<b>Semester</b>	<b>Course Number</b>	<b>Credit</b>	<b>Coordinator</b>
Large Animal Surgery	Fall	LMED 0554	3	Elizabeth Yorke S. Para Jeannie Bellamy
Diagnostic Imaging	Fall	SMED 0571	3	Ruby Perry
Small Animal Medicine/Surgery I	Fall	SMED 0572	5	Pamela Martin
Small Animal Medicine/Surgery II	Fall	SMED 0574	5	Shannon Boveland
Small Animal Surgery I	Fall	SMED 0576	1	Howard King
Small Animal Surgery II	Spring	SMED 0577	1	Howard King Lorraine Linn
Fundamentals of Clinics I	Fall	SMED 0595	3	Howard King Elvia Bridges Kenneth Newkirk Caroline Schaffer James Heintz Woubit Abdela Deidre Quinn-Gorham
Fundamentals of Clinics II	Spring	SMED 0596	3	Howard King
Fundamentals of Clinics III	Summer	SMED 0693	4	Howard King Frederick Tippet
Fundamentals of Clinics IV	Fall	SMED 0695	12	Howard King
Fundamentals of Clinics V	Spring	LMED 0696	6	Howard King
Avian Medicine	Fall	PATH 0627	2	Sammy Gorham
Ethics, Jurisprudence & Practice Management	Fall	LMED 0591	1	Sammy Gorham
Theriogenology & Herd Health	Fall	LMED 0653	5	Elvia Bridges Pamela Guy
Laboratory Animal Medicine	Spring	PATH 0628	2	Kunwar Srivastava
Problem Based Learning	Summer	SMED 0694	2	James Heintz
Problem Based Learning	Fall	SMED 0689	2	James Heintz
Aquatic Animal Health	Fall and Spring	PATH 0670	3	Kunwar Srivastava
Principles of Behavior		Create course	2	John Heath