

**Jordan University of Science and Technology**

**Faculty of Veterinary Medicine**

**Study plan qualifying to obtain Bachelor Degree in Veterinary Medicine and Surgery  
2019**

**First Year**

**First Semester**

Code	Course	Credit hours	Theory	Practical	Pre-req	Co-req
BIO 103	General Biology	3	3	0		
BIO 107	General Biology Practical	1	0	2		BIO 103
CHEM 108	General and Organic Chemistry	4	4	0		
ENG 112	English Language 2	3	3	0	Pass in Eng 099 or acquiring 50% in the English language level exam.	
VM 101	Animal Husbandry and Welfare	3	2	3		BIO 103
PHYS 10	Medical Physics	1	1	0		
<b>Total</b>		<b>15</b>	<b>13</b>	<b>5</b>		

**Second Semester**

Code	Course	Credit hours	Theory	Practical	Pre-req	Co-req
ENG 129	General Skills	2	2	0	ENG 112	
VM 102	Animal Breeding and Molecular Genetics	2	2	0	VM 101, BIO103	
CHEM 262	Biochemistry	3	3	0	CHEM 108	
VM 112	Veterinary Anatomy I	3	1	6	BIO103	
VM 114	General Histology	2	1	3	BIO103	VM112
VM 122	Animal Physiology I	3	3	0	BIO103	VM112 VM 114
<b>Total</b>		<b>15</b>	<b>12</b>	<b>9</b>		

**Summer Semester**

Code	Course	Credit hours	Theory	Practical	Pre-req	Co-req
MS 100	Military Sciences	3	3	0	-	-
	Elective University Requirement	3	3	0		
ARB101	Arabic Language	3	3	0	-	
<b>Total</b>		<b>9</b>	<b>9</b>	<b>0</b>		

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**Second Year**

**First Semester**

Code	Course	Credit hours	Theory	Practica	Pre-req	Co-req
VM 213	Veterinary Anatomy II	3	1	6	VM 112	
VM 215	Systemic Histology and Embryology	3	2	3	VM 114	
VM 223	Animal Physiology II	2	2	0	VM 122	
VM 225	Veterinary Immunology	3	3	0	CHEM 262, VM 102, VM 122	
VM 231	Introduction to Veterinary Bacteriology	2	2	0	BIO103	
VM 233	Veterinary Entomology	2	2	0	BIO103	
<b>Total</b>		<b>15</b>	<b>12</b>	<b>9</b>		

**Second Semester**

Code	Course	Credit hours	Theory	Practic	Pre-req	Co-req
VM 226	Serology and Virology Laboratory	1	0	3	VM 225	VM236
VM 232	Veterinary Bacteriology and Mycology	3	3	0	VM 231	
VM 234	Veterinary Parasitology	2	2	0	VM 233	
VM 235	Veterinary Bacteriology and Mycology Laboratory	1	0	3		VM 232
VM 236	Veterinary Virology	3	3	0	VM 225	
VM 238	Veterinary Entomology and Parasitology Laboratory	1	0	2		VM 234
VM 252	General Veterinary Pathology	4	3	3	VM 213, VM 215, VM 223, VM 225	
<b>Total</b>		<b>15</b>	<b>11</b>	<b>11</b>		

**Summer Semester**

Code	Course	Credit hours	Theory	Practic	Pre-req	Co-req
HSS119	Entrepreneurship and Innovation	2	2	0	-	-
VM 300	Clinical Application and Integration of Basic Veterinary Sciences I	1	0	2	VM 226, VM 235, VM 238, VM 223, VM 252	
VM 330	Applied Veterinary Sciences and Diagnostic Laboratories	4	0	12	VM 226, VM 235, VM 238	
	Elective University Requirement	3	3	0		
<b>Total</b>		<b>10</b>	<b>5</b>	<b>14</b>		

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**Third Year**

**First Semester**

Code	Course	Credit hours	Theory	Practical	Pre-req	Co-req
VM 321	Animal Nutrition	2	2	0	CHEM 262, VM 223	
VM 341	General Veterinary Pharmacology	3	3	0	VM 300	
	Elective University Requirement	3	3	0		
VM 353	Systemic Veterinary Pathology	4	3	3	VM 252, VM 330	
VM 361	Dairy Hygeine	2	2	0	VM 235	
VM 363	Poultry Management	2	2	0	VM 101, VM 223	
<b>Total</b>		<b>16</b>	<b>15</b>	<b>3</b>		

**Second Semester**

Code	Course	Credit hours	Theory	Practical	Pre-req	Co-req
HSS 110	Social Responsibility	3	2	1		
VM 342	Clinical Pharmacology	2	2	0	VM 341	
VM 352	Hematopathology and Cytology	2	1	3	VM 300	
VM 362	Meat Hygeine and Food Technology	2	2	0	VM 353, VM 330	
VM 364	Poultry Diseases	3	3	0	VM 330, VM 353, VM 363	
VM 372	General Veterinary Internal Medicine	1	1	0	VM 353, VM 341	
VM 374	Case History and Physical Examination	1	0	3		VM 372
VM 376	Infectious and Zoonotic Diseases	3	3	0	VM 300	
<b>Total</b>		<b>17</b>	<b>14</b>	<b>7</b>		

**Summer semester**

Code	Course	Credit hours	Theory	Practical	Pre-req	Co-req
VM 400	Clinical Application and Integration of Basic Veterinary Sciences II	1	0	3	VM 321, VM 352, VM 372, VM 374, VM 376	
VM 450	Diagnostic Pathology Clinic 1	1	0	3	VM 353	
VM 460	Inspection of Food and Animal Products	1	0	3	VM 362	-
VM 461	Poultry Diseases Clinic I	1	0	3	VM 364	
VM 470	Infectious Diseases and Herd Health Clinic I	1	0	3	VM 376	
<b>Total</b>		<b>5</b>	<b>0</b>	<b>15</b>		

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**Fourth Year**

**First Semester**

Code	Course	Credit hours	Theory	Practical	Pre-req	Co-req
VM 451	Veterinary Clinical Chemistry	2	1	3	VM 450	
VM 471	Food Animal Medicine	2	2	0	VM 400	
VM 473	Production Medicine and Electronic Farming	2	1	3	VM 470	VM 471
VM 475	Small Animal Medicine	2	2	0	VM 400	
VM 481	General Veterinary Surgery	2	1	3	VM 400	
VM 483	Veterinary Anesthesiology	1	0	3	VM 342	VM 481
VM 491	Food Animal Theriogenology	3	3	0	VM 400	
VM 493	Diagostic Techniques In Animal Reproduction I	1	0	3		VM 491
<b>Total</b>		<b>15</b>	<b>10</b>	<b>15</b>		

**Second Semester**

Code	Course	Credit hours	Theory	Practical	Pre-req	Co-req
VM 402	Veterinary Biostatistics	2	1	2	VM 470	
VM 406	Clinical Animal Nutrition	2	2	0	VM 321 VM 471	
VM 442	Veterinary Toxicology and Forensic Medicine	2	2	0	VM 400	
VM 482	Small Animal Surgery	3	2	3	VM 481	
VM 486	Veterinary Diagnostic Imaging	1	0	2	PHYS 10, VM 483	
VM 492	Small Animal Theriogenology	2	2	0	VM 491	
VM 494	Equine Theriogenology	2	2	0	VM 493	
VM 496	Diagostic Techniques In Animal Reproduction II	1	0	3	VM 493	VM 492 VM 494
<b>Total</b>		<b>15</b>	<b>11</b>	<b>10</b>		

**Summer semester**

Code	Course	Credit hours	Theory	Practical	Pre-req	Co-req
VM 550	Clinical Pathology Clinic I	1	0	3	VM 451	
VM 570	Large Animal Medicine Clinic I	1	0	3	VM 471, VM 473	
VM 572	Small Animal Medicine Clinic I	1	0	3	VM 475	
VM 580	Large Animal Surgery Clinic I	1	0	3	VM 481	
VM 585	Small Animal Surgery Clinic I	1	0	3	VM 482	
VM 590	Theriogenology Clinic I	1	0	3	VM 496	
<b>Total</b>		<b>6</b>	<b>0</b>	<b>18</b>		

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**Fifth Year**

**First Semester**

Code	Course	Credit hours	Theory	Practical	Pre-req	Co-req
VM 551	Diagnostic Pathology Clinic II	1	0	3	VM 450	
VM 553	Clinical Pathology Clinic II	1	0	3	VM 550	
VM 561	Poultry Diseases Clinic II	1	0	3	VM 461	
VM 563	Veterinary Epidemiology and Herd Health	3	3	0	VM 402, VM 470	
VM 571	Equine Medicine	2	2	0	VM 486, VM 570	
VM 573	Large Animal Medicine Clinic II	1	0	3	VM570	
VM 575	Small Animal Medicine Clinic II	1	0	3	VM 572	
VM 581	Large Animal Surgery Clinic II	1	0	3	VM 580	
VM 583	Large Animal Surgery	3	2	3	VM 580	
VM 587	Small Animal Surgery Clinic II	1	0	3	VM 585	
VM 591	Theriogenology Clinic II	1	0	3	VM 590	
<b>Total</b>		<b>16</b>	<b>7</b>	<b>27</b>		

**Second Semester**

Code	Course	Credit hours	Theory	Practical	Pre-req	Co-req
VM 502	Veterinary Practice Management, Economics and Professional Communication	1	1	0	VM 101, VM 563	
VM 504	Veterinary Ethics and Legislations	1	1	0	VM 101, VM 563	
VM 552	Diagnostic Pathology Clinic III	1	0	3	VM 551	
VM 554	Clinical Pathology Clinic III	1	0	3	VM 553	
VM 562	Poultry Diseases Clinic III	1	0	3	VM 561	
VM 574	Infectious Diseases and Herd Health Clinic II	1	0	3	VM 470	
VM 576	Large Animal Medicine Clinic III	1	0	3	VM 575	
VM 577	Swine Medicine and Production	1 Online	1	0	VM 372, VM 400	
VM 578	Small Animal Medicine Clinic III	1	0	3	VM 577	
VM 579	Exotic and Marine Animal Medicine	1 Online	1	0	VM 400	
VM 584	Large Animal Surgery Clinic III	1	0	3	VM 583	
VM 588	Small Animal Surgery Clinic III	1	0	3	VM 587	
VM 592	Theriogenology Clinic III	1	0	3	VM 591	
VM 594	Case Report Seminar	1	1	0		VM 502
<b>Total</b>		<b>14</b>	<b>5</b>	<b>24</b>		

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- 0: General animal topics
- 1: Anatomy and histology
- 2: Physiology and immunology
- 3: Microbiology, virology and parasitology
- 4: Pharmacology and toxicology
- 5: Pathology
- 6: Poultry, Meat and milk hygiene and epidemiological studies
- 7: Medicine
- 8: Surgery
- 9: Theriognology

	1 <sup>st</sup> year	2 <sup>nd</sup> year	3 <sup>rd</sup> year	4 <sup>th</sup> year	5 <sup>th</sup> year
Fall	15	15	16	15	16
Spring	15	15	17	15	14
Summer	9	10	5	6	
total	39	40	38	36	30

**Total: 183**

\*Students should comply with study plan of preparatory year (30 credit hours in the first and second semesters)

\* Students should successfully pass 86 credit hours of the college requirements listed in the study plan in the first 3 years specifically at the end of the second semester of the third year **before transfer to the 400 and 500 level courses** with GPA not less than 2.00.