



## Pre-Veterinary at the University of Michigan-Dearborn

Below, in the table on both pages, are the classes you need to meet the requirements for the **Michigan State University College of Veterinary Medicine (MSU CVM)**. **Admissions requirements vary among vet schools**. Students can find requirements for all US veterinary schools at Veterinary Medical School Admission Requirements ([VMSAR](#)).

Course Subject	Course Title	Course Number	Credit Hours	DDC*
<b>Biology</b>	Intro. to Organismal and Environmental Biology	BIOL 130+lab	4	GENS
	Intro. to Molecular and Cellular Biology (pre-req CHEM 134)	BIOL 140+lab	4	GENS
	Comparative Animal Physiology (pre-reqs BIOL 130 and 140 and CHEM 134)	BIOL 303	4	
	Upper-level courses ( <b>3 credit minimum</b> ), one of the following: Cell Biology, Genetics, Histology, Neurobiology, or Immunology (pre-reqs BIOL 130 and 140)	BIOL 301, 306, 310, 350, or 455	4	
<b>Chemistry</b>	General Chemistry IA (pre-req or co-req MATH 105 or equivalent)	CHEM 134+lab	4	GENS
	General Chemistry IIA (pre-req CHEM 134)	CHEM 136+lab	4	GENS
	(If you took CHEM 144 & 146 + labs, this is acceptable)			
	<b>AND</b>			
	Organic Chemistry I (pre-req CHEM 136)	CHEM 225	4	
	Organic Chemistry II (pre-req CHEM 225)	CHEM 226	4	
	Organic Chemistry Laboratory (pre-req or co-req CHEM 226)	CHEM 227	2	
	<b>AND</b>			
	Principles of Biochemistry (pre-req BIOL 130, 140 and CHEM 226)	BCHM 370 <i>or</i> BIOL 370 <i>or</i> CHEM 370	4	
	<b>OR</b>			
Biochemistry I (pre-req BIOL 130, 140 and CHEM 226)	BCHM 470 <i>or</i> BIOL 470 <i>or</i> CHEM 470	4		
Biochemistry II (pre-req BCHM 470)	BCHM 471 <i>or</i> BIOL 471 <i>or</i> CHEM 471	4		



Course Subject	Course Title	Course Number	Credit Hours	DDC*
<b>MATH</b>	Pre-Calculus (pre-req MATH 090)	MATH 105	4	
	OR			
	Calculus I (pre-req MATH 105 or equivalent)	MATH 115	4	
<b>Physics</b>	Introductory Physics I (pre-req MATH 105)	PHYS 125+lab	4	GENS
	Introductory Physics II (pre-req PHYS 125)	PHYS 126+lab	4	GENS
	OR			
	General Physics I (pre-req MATH 115)	PHYS 150+lab	4	GENS
	General Physics II (pre-reqs PHYS 150 and MATH 116)	PHYS 151+lab	4	GENS
<b>English or Writing Composition</b>	Writing & Rhetoric I	COMP 105 or COMP 110	3	GEWO
	OR			
	Writing & Rhetoric II	COMP 106 or COMP 220	3	GEWO
<b>Social Sciences</b>	2 semesters of any of the following: geography, political science, introduction to psychology and/or understanding society	Varies	6	
<b>Arts &amp; Humanities</b>	2 semesters of any of the following: History; literature; art, music, theater history or appreciation; philosophy; and religion	Varies	6	

**DDC\* = Dearborn Discovery Core**

GENS = Natural Sciences  
GEWO = Written & Oral Communication  
GEWI = Upper-Level Writing Intensive

GEQT = Quantitative Thinking/Problem Solving  
GESB = Social & Behavioral Analysis  
GECC = Critical & Creative Thinking

**Important note! For MSU CVM:** 100% of the science prerequisites must be completed before you apply. This means you can't start your application until you complete your biology, chemistry, physics, and all lab courses.

**Recommended (& required) courses:** Please keep up to date by referring to details in the Veterinary Medical School Admission Requirements ([VMSAR](#)), a free on-line directory, updated yearly.

**Please note:** Some Vet Schools do not accept AP credit for prerequisite courses. Currently, MSU CVM does for some introductory courses. Check with your respective schools' websites well before you apply.