



Association of American Veterinary Medical Colleges

Summary of Course Prerequisites

For All VMCAS Member Institutions 2010 Matriculation

The Summary of Course Prerequisites is designed to supplement admission information provided by each institution. The colleges to which you apply may have additional requirements not summarized in this table. Contact each institution to which you wish to apply for a college brochure. This table is for use in 2009 for 2010 matriculation only and is subject to change. Please direct all questions regarding course prerequisites directly to the institution.

**Association of American Veterinary Medical Colleges
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For Matriculation in 2010

Institutional Abbreviations for All VMCAS Member Institutions
Information provided by the Association of American Veterinary Medical Colleges

AUB
UCD
CSU

School Name

Semester, Quarter, or Required

Gen. chem or inorganic chem or fundamentals of chem; w

Organic chem w/lab

Biochemistry

Physics w/lab

Mathematics or statistics

AAVMC School	Note No.	Course category:	Explanation of Course Requirement
AUB	1	Organic chem w/lab	Must have completed within 6 years.
AUB	2	Biochemistry	Biochemistry or animal nutrition
AUB	3	Physics w/lab	Must have completed within 6 years
AUB	4	Mathematics	Precalculus with trigonometry
AUB	5	Bio, gen bio, animal bio, or zoology	4 hr = principles of biology, 4 hr = animal biology
AUB	6	Science electives or adv biological sci	Junior/300 level or above
AUB	7	English comp, or expository writing	Subject waived if applicant has a BS/BA degree
AUB	8	Humanities/ social sci, or add. English	10q (6s) sequence in history or literature; Subjects waived if BS/BA
UCD	1	Biochemistry	Upper division courses equivalent to 1 semester or 1 quarter, No lab required
UCD	2	Physics	No lab required
UCD	3	Mathematics	Statistics
UCD	4	Bio, gen bio, animal bio, or zoology	Includes general zoology
UCD	5	Genetics or animal genetics	Upper division courses equivalent to 1 semester or 1 quarter, No lab required
UCD	6	Physiology (systemic)	Upper division courses equivalent to 1 semester or 1 quarter, No lab required
UCD	7	Humanities/social sci, or add. English	8 Q English; 12 Q humanities and social science
CSU	1	Gen chem or inorganic chem	1 laboratory associated with a chemistry class
CSU	2	Biochemistry	Biochemistry must require organic chemistry as a prerequisite
CSU	3	Mathematics	1 S in statistics
CSU	4	Bio, gen bio, animal bio, or zoology	1 laboratory associated with a biological science course
CSU	5	Science electives or adv biological sci	Encouraged to take additional upper division science courses
COR	1	Gen chem or inorganic chem w/lab	Full year required; AP credit of 4 or higher allowed
COR	2	Organic chem w/lab	Full year required
COR	3	Physics w/ lab	Full year required; AP credit of 4 or higher allowed
COR	4	Bio, gen bio, animal bio, zoology w/lab	Full year required (biology zoology)
COR	5	Microbiology	With laboratory required; Half year required
COR	6	English comp, or expository writing	Full year required, 3 credits may be satisfied with literature or public speaking
COR	7	Speech or public speaking	3 public speaking credits may satisfy 3 of the 6 English requirements
COR	8	Biochemistry	Half year required for 4 credits; lab not required, but recommended
UFL	1	Mathematics	3S Calculus and 3S Statistics
UFL	2	Microbiology	With laboratory required
UGA	1	Science electives or adv biological sci.	8 S in advanced biological sciences
UIL			

UMN	3	Mathematics	College algebra, precalculus or calculus
UMN	4	Bio, gen bio, animal bio, or zoology	(3-5)S General bio; and (3-5)S zoology OR animal biology with lab
MSS	1	Mathematics	College Algebra or Higher
MSS	2	Speech or technical writing	
MSS	3	Humanities/social sci, or add. English	Also includes fine arts and behavioral sciences
MSS	4	Advanced (upper level) science electives	
UMO	1	Mathematics	College algebra or higher level course
NCS	1	Mathematics	3 S Calculus and 3 S statistics
NCS	2	Speech or public speaking	Any combination of English Composition, Public Speaking, or Communications courses equal to 6 S hours.
NCS	3	Humanities/social sci, or add. English	6 S of any combination of Humanities/Social Sciences
OHS	1	General	Multiply semester hours by 1.5 to get quarter hours
OHS	2	Organic chem.	Lab recommended for organic chemistry, but not required
OHS	3	Biochemistry	If your school offers a two-course sequence in biochemistry, both courses are required to fulfill this prerequisite.
OHS	4	Mathematics	Algebra and trigonometry
OHS	5	Genetics or animal genetics	general genetics including Mendelian genetics and molecular genetics
OHS	6	Microbiology	Lab required for microbiology
OKS	1	Mathematics	College algebra or higher, no statistics
OKS	2	Nutrition, animal nutrition, or feeds/ing	Animal nutrition no human nutrition
OKS	3	English comp, or expository writing	6 S in Eng comp; 3 S in Eng elective (may include tech writing, speech, or lit)
OKS	4	Speech or public speaking	May be used to fulfill English elective (2S); see note 3 above.
OKS	5	Electives	If your completed prereqs=less than 60cr, sci or bus electives accepted.
OKS	6	Total credit hours	64 S minimum, use electives if your prerequisite hours total less than 64.
ORS	1	General	Course prerequisites must be graded A-F. Grades A-C are considered passing grades.
ORS	2	Gen chem or inorganic chem	A course sequence in inorganic chemistry with laboratories (2 semesters or 3 quarters).
ORS	3	Organic chem	A course sequence in organic chemistry sufficient to meet requirements for upper division biochemistry (1-2 semesters or 2-3 quarters). Organic chemistry laboratories not required.
ORS	4	Biochemistry	A minimum of 1 semester or 2 quarters of upper division biochemistry; a complete course sequence is preferred.
ORS	5	Physics w/lab	A course sequence in physics for science majors (2 semesters or 3 quarters).
ORS	6	Mathematics	A course in calculus (at least 2 semester or 3 quarter credits). A course in statistics (at least 3 semesters or 4 quarter credits).
ORS	7	Bio, gen bio, animal bio, or zoology	A course sequence in biology (2 semesters or 3 quarters).
ORS	8	Genetics	A course in general genetics that includes both Mendelian and molecular genetics (at least 3 semester or 4 quarter credits).
ORS	9	Physiology	A course in animal or human physiology (at least 2 semester or 3 quarter credits).
ORS	10	Science electives or adv biological sci	A minimum of at least 4 additional semester or 6 additional quarter credits of upper division biological science courses with at least one laboratory.
ORS	11	Nutrition	A course in general animal nutrition that includes monogastric and ruminant nutrition (at least 2 semester or 3 quarter credits).
ORS	12	English comp, or expository writing	At least 4 semester or 6 quarter credits of English writing (e.g., English composition, technical writing). Subject waived if a

PEI	7	Physics	1 3 S/hour credit with lab
PEI	8	English	2 3 S/hour credits, one course must be English composition
PEI	9	Humanities/Social Science	3 3 S/hour credits
PEI	10	Electives	5 3 S/hour credits
GUE	1	Total credit hours	All courses intended for use as prerequisites must be taken in full time study (usually 5 courses per semester) with only one being distance education.
MAS	1	Gen chem or inorganic chem	At least one semester or 2 quarters of general chem including lab
MAS	2	Organic chem w/lab	1 year series (2 semesters or 3 quarters) with at least 1 semester or 2 quarters of lab
MAS	3	Physics w/lab	1 year series (2 semesters or 3 quarters) with at least 1 semester or 2 quarters of lab
MAS	4	Bio, gen bio, animal bio, or zoology	At least 1 semester or equivalent of organismal / animal biology (zoology) with lab.
MAS	5	Cellular Biology	At least 1 semester or equivalent of cellular / molecular biology with lab.
MAS	6	Total credit hours	Applicants need to have completed classes that cover the material equivalent to the Massey University classes 123.101 Chemistry, 124.111 Physics, 162.101 Biology of Cells and 199.101 Biology of Animals. For further information on the content of these classes see the BVSc course o