Augustana College

Pre-Veterinary Medicine Concentration
With the Biology Major

Courses required for the first year: CHEM131, CHEM 132
Courses recommended for the first year: BIO130, BIO140 (both can be taken during the second year)
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The Major in Biology

Required Courses

Course Number	Course Name	Learning Perspective/ Suffix	Prerequisites	Usually offered: F, J, SP, SU*	Credits
BIOL130	Molecules to Cells	None	--	F, SP	4
BIOL140	Organisms to Ecosystems	None	--	F, SP	4
BIOL250	Genetics	None	BIOL130	F, SP	4
BIOL360 *or* BIOL362	Comparative Physiology *or* Human Physiology	None	BIOL130 & BIOL140 OR BIOL130 & soph status	F, SP	4
BIOL Elective		None	See specific course	F, J, SP, SU	4
BIOL Elective		None	See specific course	F, J, SP, SU	4
BIOL Elective		None	See specific course	F, J, SP, SU	4
Senior Inquiry	If an SI is completed in another major, replace with another BIOL elective	None	BIOL130, BIOL140 BIOL250	F, J, SP, SU	4

Required Supporting Courses

Course Number	Course Name	Learning Perspective/ Suffix	Prerequisites	Usually offered: F, J, SP, SU*	Credits
CHEM131	General Chemistry I	PN	--	F	4
CHEM132	General Chemistry II	PN	--	SP	4
CHEM321	Organic Chemistry I	None	CHEM132	F	4
CHEM322	Organic Chemistry II	None	CHEM321	SP	4
PHYS151	Principles of Physics I	PN	--	F	4
PHYS152	Principles of Physics II	PN	--	SP	4
CHEM441	Biochemistry I	None	CHEM322 & BIOL130	F	4

Some vet schools require a minimum number of credits, Internship – 4 credits (160 hours) or 8 credits (400 hours)

Additional Useful Courses

Course Number	Course Name	Learning Perspective/ Suffix	Prerequisites	Usually offered: F, J, SP, SU*	Credits
COMM101	Public Speaking	None	--	F, SP	4
PSYC100	Intro to Psychology	PS	--	F, SP	4
BIOL310	Evolutionary Biology	None	BIOL250		4
BIOL335	Entomology	PN	BIOL140 or permission of instructor	F; every other year	
BIOL343	Microbiology	None	BIOL250 or permission of instructor	F, SP	4
BIOL345	Immunology	None	BIOL250	J; Every other year	4
BIOL351	Human Anatomy	None	--	F, SP	4
BIOL354	Neuroanatomy	None	BIOL351 or permission of instructor	Every other year	4
BIOL373	Developmental Biology	None	BIOL250	Every other year	4
BIOL375	Molecular Genetics	None	BIOL250 & permission of instructor	J	4
BIOL386	General Ecology	None	BIOL130 & BIOL140	F; every other year	4
BIOL387	Aquatic Biology	None	BIOL130, BIOL140 & BIOL250 or permission of instructor	F; every other year	4
BIOL455	Human Gross Anatomy Lab	None	BIOL351 or equivalent and permission of instructor	F, SP	2

ENGL200	The Writing Process				4
MATH130 *or* PSYC240	Statistics	Q	--	F, SP	4
MATH160	Calculus	Q	--	F, SP	4
CLAS290	Greek & Latin Roots for Science	None	--	F	2

**"Humanities" & "Social Sciences" - several vet schools require a minimum number of credits, Internship - 4 credits (160 hours) or 8 credits (400 hours)

Advising Overview

Augustana's program in pre-veterinary medicine prepares students for admission to and achievement in veterinary school. Working closely with your advisor (a professor in your field), your path will include coursework in small classes and hands-on experience in area veterinary clinics during the academic year.

Most students major in biology, fulfilling the pre-veterinary medicine program with a challenging science curriculum including biology, chemistry and physics, plus advanced courses in subjects such as histology, immunology, neuroanatomy and biochemistry.

While vet school is a challenge, you'll discover that Augustana's liberal arts education prepared you extremely well. Along with an exceptional science background, you'll have the less-tangible skills you'll reach for constantly as you think creatively to solve new problems.

*Fall, J term, Spring, Summer; see Academic Calendar for specific dates

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