

## Pre-Veterinary Medicine Concentration With the Biology Major

<b>Courses required for the first year:</b> CHEM 131, CHEM 132
<b>Courses recommended for the first year:</b> BIOL130 and BIOL140 are generally taken during the 2 <sup>nd</sup> 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
BIOL 130	Molecules to Cells	None	--	F, SP	4
BIOL 140	Organisms to Ecosystems	None	--	F, SP	4
BIOL 250	Genetics	None	BIOL 130	F, SP	4
BIOL 360 <i>or</i> BIOL 362	Comparative Physiology <i>or</i> Human Physiology	None	BIOL 130 & BIOL 140 OR BIOL 130 & soph status	F, SP	4
BIOL Elective		None	See specific course	F, J, SP, SU	4
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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	BIOL 130, BIOL 140 BIOL 250	F, J, SP, SU	4

## Required Supporting Courses

Course Number	Course Name	Learning Perspective/ Suffix	Prerequisites	Usually offered: F, J, SP, SU*	Credits
CHEM 131	General Chemistry I	PN	--	F	4
CHEM 132	General Chemistry II	PN	--	SP	4
CHEM 321	Organic Chemistry I	None	CHEM 132	F	4
CHEM 322	Organic Chemistry II	None	CHEM 321	SP	4
PHYS 151	Principles of Physics I	PN	--	F	4
PHYS 152	Principles of Physics II	PN	--	SP	4
CHEM 441	Biochemistry I	None	CHEM 322 & BIOL 130	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
COMM 101	Public Speaking	None	--	F, SP	4
PSYC 100	Intro to Psychology	PS	--	F, SP	4
BIOL 310	Evolutionary Biology	None	BIOL 250		4
BIOL 335	Entomology	PN	BIOL 140 or permission of instructor	F; every other year	
BIOL 343	Microbiology	None	BIOL 250 or permission of instructor	F, SP	4
BIOL 345	Immunology	None	BIOL 250	J; Every other year	4
BIOL 351	Human Anatomy	None	--	F, SP	4
BIOL 354	Neuroanatomy	None	BIOL 351 or permission of instructor	Every other year	4
BIOL 373	Developmental Biology	None	BIOL 250	Every other year	4
BIOL 375	Molecular Genetics	None	BIOL 250 & permission of instructor	J	4
BIOL 386	General Ecology	None	BIOL 130 & BIOL 140	F; every other year	4
BIOL 387	Aquatic Biology	None	BIOL 130, BIOL 140 & BIOL 250 or permission of instructor	F; every other year	4
BIOL 455	Human Gross Anatomy Lab	None	BIOL 351 or equivalent and permission of instructor	F, SP; every other year	2

ENGL 200	The Writing Process				4
MATH 130 <i>or</i> PSYC 240	Statistics	Q	--	F, SP	4
MATH 160	Calculus	Q	--	F, SP	4
CLAS 290	Greek & Latin Roots for Science	None	--	F	2

Some vet schools require a minimum number of "Humanities" & "Social Sciences" credits

### **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 immunology, neuroanatomy and biochemistry.

While vet school is a challenge, you'll discover that Augustana's liberal arts education prepares 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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