

ANIMAL AND VETERINARY BIOSCIENCES, B.S.

FOUR-YEAR PLAN

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Below you will find three sample four-year plans. These plans represent a range of interest and career-based options for completing the Animal and Veterinary Biosciences major. Your individual plan will look different from these plans. You should customize your own program of study in consultation with your advisor.

FOUR-YEAR PLAN - VETERINARY INTEREST ¹

First Year

Fall	Credits	Spring	Credits
AN SCI/DY SCI 101		3 CHEM 103	4
AN SCI/DY SCI 102		1 Major Breadth	3
AN SCI 135 (CALs First-Year Seminar)		1 AN SCI 200 (Animal Science Breadth)	3
Humanities Breadth		3 General Education	3
MATH 112 or 114		3-5 Ethnic Studies	3
COMM A		3	
		14-16	16

Second Year

Fall	Credits	Spring	Credits
ZOOLOGY/BIOLOGY/BOTANY 151		5 ZOOLOGY/BIOLOGY/BOTANY 152 (Major Breadth)	5
STAT 301		3 CHEM 343 (Major Breadth)	3
CHEM 104		5 General Education	3
AN SCI 245		3 AN SCI/DY SCI 320 (Animal Science Core)	3
		16	14

Third Year

Fall	Credits	Spring	Credits
PHYSICS 103 (Major Breadth)		4 AN SCI/DY SCI/NUTR SCI 311	3
AN SCI/DY SCI 434 (Animal Biology Depth) ²		3 AN SCI/DY SCI 361 & AN SCI/DY SCI 362 (Animal Science Core and Animal Biology Depth)	4
AN SCI 336 (Animal Biology Depth)		3 COMM B	3
CALS International Studies		3 Electives ³	4
BIOCHEM 501		3	
		16	14

Fourth Year

Fall	Credits	Spring	Credits
AN SCI 435 (Capstone)		2 AN SCI/DY SCI 373 (Animal Biology Depth)	3
Electives ³		12-14 Electives ³	11-12
		14-16	14-15

Total Credits 118-123

1

This four-year plan reflects the minimum required coursework for UW-Madison School of Veterinary Medicine as of 2022-2023. Course requirements may vary among schools of veterinary medicine. Consult with your institution of choice and your advisor to ensure that the courses you select meet specific requirements.

2

Pre-vet students with a focus on dairy could select an alternate set of dairy-focused courses to meet Animal Biology Depth and Capstone requirements (DY SCI 378, DY SCI/AN SCI 414, DY SCI 534, and DY SCI 535)

Animal Biology Depth courses can be moved to 4th year to allow for certificate coursework during the first three years.

3

Electives will include additional coursework for veterinary school preparation.

FOUR-YEAR PLAN - ANIMAL PRODUCTION INTEREST

First Year

Fall	Credits	Spring	Credits
AN SCI/DY SCI 101		3 ZOOLOGY/BIOLOGY 101	3
AN SCI/DY SCI 102		1 A A E 215 (Social Science Breadth)	4
AN SCI 135 (CALs First-Year Seminar)		1 COMM B	3
Humanities Breadth		3-5 Ethnic Studies	3
COMM A		3 Elective	3
MATH 112 or 114		3	
		14-16	16

Second Year

Fall	Credits	Spring	Credits
ZOOLOGY/BIOLOGY 102		2 CHEM 104	5
STAT 301 or 371		3 AN SCI/DY SCI 320 (Animal Science Core)	3
CHEM 103		4 AN SCI/BSE 344 (Animal Biology Depth)	3
AN SCI 245 (Animal Science Core)		3 Electives	3
General Education		3	
		15	14

Third Year

Fall	Credits	Spring	Credits
AN SCI 336 (Animal Biology Depth)		3 BIOCHEM 301	3

AN SCI/DY SCI 434 (Animal Biology Depth)	3 AN SCI/DY SCI/ NUTR SCI 311 (Animal Science Core)	3
CALS International Studies	3 AN SCI/DY SCI 361 (Animal Science Core)	2
General Education	3 AN SCI/DY SCI 363 (Animal Biology Depth)	2
Electives	3 A A E 422 (Major Breadth)	3
	15	13

Fourth Year

Fall	Credits	Spring	Credits
AN SCI 435 (Capstone)	2	AN SCI 432 (Major Breadth)	3
AN SCI 431 (Major Breadth)	3	Electives	11-12
AN SCI/DY SCI 414 (Animal Biology Depth)	3		
Electives	8		
	16		14-15

Total Credits 117-120**FOUR-YEAR PLAN - GENERAL ANIMAL AND VETERINARY BIOSCIENCES INTEREST****First Year**

Fall	Credits	Spring	Credits
AN SCI/DY SCI 101	3	CHEM 103	4
AN SCI/DY SCI 102	1	Animal Biology Depth	3
Humanities Breadth	3	Ethnic Studies	3
AN SCI 135 (CALS First- Year Seminar)	1	Elective	3
MATH 112 or 114	3-5	Social Science Breadth	3
COMM A	3		
	14-16		16

Second Year

Fall	Credits	Spring	Credits
BIOLOGY/BOTANY/ ZOOLOGY 151	5	BIOLOGY/BOTANY/ ZOOLOGY 152 (Major Breadth)	5
STAT 301 or 371	3	Major Breadth	3
CHEM 104	5	CALS International Studies	3
Animal Science Core	3	Animal Science Core	3
	16		14

Third Year

Fall	Credits	Spring	Credits
Major Breadth	3-4	Animal Biology Depth	3
Animal Biology Depth	3	Major Breadth	3-4
Animal Biology Depth	3	Elective or Breadth	3
General Education	3	COMM B	3
BIOCHEM 301	3	Elective	3
	15-16		15-16

Fourth Year

Fall	Credits	Spring	Credits
AN SCI 435 or DY SCI 535	2-3	Animal Science Core	3
Animal Biology Depth	3	Animal Science Core	3
Electives	10	Electives	8
	15-16		14

Total Credits 119-124