Animal Science

Department Information

- **Department Web Site:**
  www.ndsu.edu/agriculture/academics/academic-units/animal-sciences (http://www.ndsu.edu/agriculture/academics/academic-units/animal-sciences/)
- **Credential Offered:**
  B.S.; Minor
- **Official Program Curriculum:**
  catalog.ndsu.edu/undergraduate/program-curriculum/animal-science/ (http://catalog.ndsu.edu/undergraduate/program-curriculum/animal-science/)

Sample Program Guide

IMPORTANT DISCLAIMER: This guide is not an official curriculum. This guide is a sample four-year degree plan of how students might plan this major with other degree requirements to complete their education in four years.Student plans will vary from this sample due to a variety of factors, such as, but not limited to, start year, education goals, transfer credit, and course availability. To ensure proper degree completion, enrolled students should utilize Degree Map (https://www.ndsu.edu/registrar/degreemap/) and Schedule Planner (https://www.ndsu.edu/onestop/degree-map-and-planning/) in Campus Connection and consult regularly with academic advisors to ensure graduation requirements are being met.

This sample plan of study applies to the Biomedical Science option. This option is recommended for students interested in pursing a Doctor of Veterinary Medicine degree and/or students interested in graduate degree programs.

Freshman			
Fall	**Credits**	**Spring**	**Credits**
ANSC 102[1]	1	ANSC 114	3
ANSC 218	3	BIOL 151 & 151L	4
BIOL 150 & 150L	4	CHEM 122 & 122L	4
CHEM 121 & 121L	4	ENGL 110	3
MATH 103 or 105[2]	3	Gen Ed Wellness	2
	15		**16**
Sophomore			
Fall	**Credits**	**Spring**	**Credits**
ANSC 240	3	BIOC 260	4
ENGL 120	3	COMM 110	3
CHEM 341 & 341L[3]	4	ECON 201	3
MICR 350 & 350L	5	PLSC 315	3
		STAT 330	3
	15		**16**
Junior			
Fall	**Credits**	**Spring**	**Credits**
ANSC 300	3	ANSC 324	3
ANSC 323	3	ANSC 463 & 463L	4
ANSC 357	3	Gen Ed Upper Division Writing	3
PHYS 211 & 211L[4]	4	Biomedical Science Elective (e.g., CHEM 342)[4]	3

Gen Ed Humanities & Fine Arts and Cultural Diversity	3	Elective (e.g. PHYS 212)[4]	3
	16		**16**

Senior			
Fall	**Credits**	**Spring**	**Credits**
ANSC 379, 393, or 396[5]	2	ANSC 478	3
ANSC 444	3	ANSC 480, 484, or 486[6]	3
Gen Ed Social & Behavioral Sciences	3	Gen Ed Humanities & Fine Arts	3
Electives[4]	6	Elective[4]	3
	14		**12**

Total Credits: 120

1

ANSC 101 or VETS 101 are also accepted, but ANSC 102 is preferred for this option.

2

MATH 105, 107, or 146 are required to satisfy PHYS 211 pre-requisites and are accepted in place of MATH 103. The series suggests only MATH 105 is necessary to meet PHYS 211 pre-requisites, but MATH 107 and 146 are also accepted if transferred in or student is placed as eligible to take those courses. A student that does not place into MATH 105 or transfer in MATH 103 must start with MATH 103 to meet pre-requisite requirements of MATH 105.

3

CHEM 341L is not required for this option's degree plan, but is recommended as part of the CHEM 341 and 341L sequence to meet veterinary medicine school admission requirements. Students should review specific school requirements to determine if CHEM 341L and subsequent organic chemistry courses such as CHEM 342 and CHEM 342L are necessary.

4

PHYS 120 and PHYS 120L are also accepted, but do not satisfy veterinary medicine school admission requirements. PHYS 211 and PHYS 211L are therefore recommended for students pursuing admission to veterinary medicine schools, which impacts MATH requirements noted earlier. Additional courses may be needed to satisfy veterinary medicine schools, but are school specific. Students should review specific school admission requirements and use electives to meet those admission requirements if not required on this option's degree plan.

5

ANSC 396 (Internship Experience) is recommended, but students can also take ANSC 379 (Global Seminar) or ANSC 393 (Undergraduate Research) experiences.

6

One industry and production course is required for this option. Fall course options include ANSC 482 and 488, whereas spring course options include ANSC 480, 484, and 486.