

# Animal Sciences Pre-Vet — Pre-Professional Option (ANPV)

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## Freshman

Fall	Hours	Spring	Hours
<b>ANSC 1100 Orientation to Animal Sciences</b>		<b>1 ANSC 1000 Introduction to Animal Sciences</b>	<b>4</b>
<b>BIOL 1020 Principles of Biology</b>		<b>3 BIOL 1030 Organismal Biology</b>	<b>3</b>
<b>BIOL 1021 Principles of Biology Laboratory</b>		<b>1 BIOL 1031 Organismal Biology Laboratory</b>	<b>1</b>
CHEM 1030 Fundamentals Chemistry I		3 CHEM 1040 Fundamental Chemistry II	3
CHEM 1031 Fundamental Chemistry I Laboratory		1 CHEM 1041 Fundamental Chemistry II Laboratory	1
ENGL 1100 English Composition I		3 ENGL 1120 English Composition II	3
MATH 1130 Pre-Calculus Trigonometry		3	
		<b>15</b>	<b>15</b>

## Sophomore

Fall	Hours	Spring	Hours
BIOL 2500 Human Anatomy and Physiology I		3 BIOL 2510 Human Anatomy and Physiology II	3
BIOL 2501 Human Anatomy and Physiology I Laboratory		1 BIOL 2511 Human Anatomy and Physiology II Laboratory	1
CHEM 2070 Organic Chemistry I		3 CHEM 2080 Organic Chemistry II	3
CHEM 2071 Organic Chemistry I Laboratory		1 CHEM 2081 Organic Chemistry II Laboratory	1
Core Fine Art		3 COMM 1000 Public Speaking	3
Core History 1		3 Core Literature	3
		Core History 2	3
		<b>14</b>	<b>17</b>

## Junior

Fall	Hours	Spring	Hours
<b>ANSC 3410 Animal Metabolism and Nutrition</b>		<b>3 ANSC 3420 Applied Animal Feeding and Nutrition</b>	<b>3</b>
<b>ANSC 3600 Reproductive Physiology</b>		<b>4 ANSC 3500 Animal Breeding</b>	<b>3</b>
BCHE 3200 Principles of Biochemistry		3 <b>ANSC 3800 Careers in Animal Science</b>	<b>1</b>
PHYS 1500 General Physics I		4 ECON 2020 Principles of Microeconomics	3
STAT 2510 Statistics for Biological and Health Sciences		3 Directed Elective II <sup>2</sup>	3-4
		Core Humanity	3
		<b>17</b>	<b>16-17</b>

## Senior

Fall	Hours	Spring	Hours
<b>AGRI 3000 Agricultural Genetics (OR BIOL 3000 &amp; 3001)</b>		<b>4 Directed Electives I<sup>1</sup></b>	<b>4</b>
BIOL 3200 General Microbiology		3 2nd Directed Elective (I or II) <sup>1, 2</sup>	3-4
BIOL 3201 General Microbiology Laboratory		1 Free Electives	3-4
Core Social Science		3 UNIV 4AA0 Achieve the Creed	0

Free Electives

3-4

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14-15

10-12

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**Total Hours: 118-122**

**Note: A minimum of 120 hours is required.**

**Bolded** courses constitute the ANPV major (35 hrs; 2.0 GPA required for these courses).

<sup>1</sup> Directed Elective I (choose one of the following:

ANSC 3700, ANSC 4000, ANSC 4010, ANSC 4050,

<sup>2</sup> Directed Elective II (choose one of the following):

ANSC 3000, ANSC 3610, ANSC 4450, BIOL 3010, BIOL 4000, BIOL 4100, BIOL 5110, BIOL 5220, BIOL 5230,  
BIOL 5500, PHYS 1510