

Animal Sciences: Pre-Veterinary Medicine

https://ag.purdue.edu/oap/Pages/major.aspx 120 credits required for graduation

Credits	Course number	Course Title
Departmental/Program Major Courses (117 credits)		
Required Major Courses (12 credits)		
3	ANSC 10200	Introduction to Animal Agriculture (UCC STS Selective)
1	ANSC 18100	Orientation to Animal Sciences
3	ANSC 22100	Principles of Animal Nutrition
4	ANSC 23000	Physiology of Domestic Animals
1	ANSC 48100	Contemporary Issues in Animal Sciences
<u>ANSC Restricted Selectives (21 credits) (see ANSC Undergraduate Student Handbook)</u>		
3 - 4	-----	Animal Genetics Selective
3	-----	Animal Nutrition Selective
2 - 3	-----	Animal Physiology Selective
3	-----	Animal Production/Management selective
2 - 4	-----	Animal Products Selective
4 - 8	-----	Animal Sciences Selectives
<u>Other Departmental /Program Course Requirements (84 credits) (see ANSC Undergraduate Student Handbook)</u>		
0.5	AGR 10100	Introduction to the College of Agriculture and Purdue University
0.5	AGR 11400	Introduction to Animal Sciences Academic Program
3	AGRY 32000	Genetics
1	AGRY 32100	Genetics Laboratory
3	BCHM 30700	Biochemistry
4	BIOL 11000	Fundamentals of Biology I
4	BIOL 11100	Fundamentals of Biology II
4	BIOL 22100	Introduction to Microbiology
3	BIOL 23100	Biology III: Cell Structure and Function
2	BIOL 23200	Laboratory in Biology IV Cell Structure and Function
4	CHM 11500	General Chemistry (satisfies Science #1 for core)
4	CHM 11600	General Chemistry (satisfies Science #2 for core)
3	CHM 25500	Organic Chemistry
1	CHM 25501	Organic Chemistry Laboratory
3	CHM 25600	Organic Chemistry
1	CHM 25601	Organic Chemistry Laboratory
3	MA 16010	Applied Calculus I (satisfies Quantitative Reasoning for core)
3	MA 16020	Applied Calculus II
	PHYS 22000 or	
4	PHYS 23300	General Physics or Physics for Life Sciences I
	PHYS 22100 or	
4	PHYS 23400	General Physics or Physics for Life Sciences II
3	STAT 30100	Elementary Statistical Methods (satisfies Information Literacy for core)
1	VM 10200	Careers in Veterinary Medicine
3	-----	Economics Selective (satisfies Human Culture Behavioral/Social Science for core)
3	-----	UCC Humanities Selective (satisfies Human Cultures Humanities for core)
3	-----	Humanities or Social Science Selective
3	-----	Humanities or Social Science Selective
3	-----	Humanities or Social Science Selective (30000+ level)
		First-Year Composition (satisfies Written Communication for core) (satisfies Information
4	ENGL 10600	Literacy for core)
	COM 11400 or	Fundamentals of Speech Communication (satisfies Oral Communication for core) or
3	COM 21700	Scientific Communication
3	-----	Written or Oral Communication Selective
Electives (3 credits)		
3	-----	Elective

University Core Requirements:

Human Cultures Humanities: _____	Science, Technology, and Society: _____
Human Cultures Behavioral/Social Science: _____	Written Communication: _____
Information Literacy: _____	Oral Communication: _____
Science #1: _____	Quantitative Reasoning: _____
Science #2: _____	

120 semester credits required for Bachelor of Science degree.
2.0 GPA required for Bachelor of Science degree.

College of Agriculture & University Level Requirements:

2.0 GPA required for Bachelor of Science degree.

32 Upper division credits taken from Purdue

9 credits International Understanding: _____

3 credits Multicultural Awareness: _____

9 credits of Hum and/or Social Sciences outside the College of Agriculture: _____

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Credits	Course number	Course Title	Prerequisites	Credits	Course number	Course Title	Prerequisites
Fall 1st Year				Spring 1st Year			
0.5	AGR 10100	Introduction to the College of Agriculture and Purdue University		1	ANSC 18100	Orientation to Animal Sciences	
0.5	AGR 11400	Introduction to Animal Sciences Academic Programs		4	BIOL 11100	Fundamentals of Biology II	BIOL 11000
3	ANSC 10200	Introduction to Animal Agriculture		4	CHM 11600	General Chemistry	CHM 11500
4	BIOL 11000	Fundamentals of Biology I		3	COM 11400 or COM 21700	Fundamentals of Speech or Scientific Communication	
4	CHM 11500	General Chemistry		3	MA 16020	Applied Calculus II	MA 16010
3	MA 16010	Applied Calculus I	ALEKS 75+	1	VM 10200	Careers in Veterinary Medicine	

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Fall 2nd Year				Spring 2nd Year			
3	ANSC 22100	Principles of Animal Nutrition	CHM 11100	3	AGRY 32000	Genetics	BIOL 11100
3	BIOL 23100	Biology III: Cell structure and function	BIOL 11100 & CHM 11600	1	AGRY 32100	Genetics Laboratory	
2	BIOL 23200	Laboratory in Biology III: Cell structure and function		4	ANSC 23000	Physiology of Domestic Animals	BIOL 11100
3	CHM 25500	Organic Chemistry	CHM 11200	3	CHM 25600	Organic Chemistry	CHM 25500
1	CHM 25501	Organic Chemistry Laboratory		1	CHM 25601	Organic Chemistry Laboratory	
4	ENGL 10600	First-Year Composition		3	-----	Animal Sciences Selective	

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Fall 3rd Year				Spring 3rd Year			
3	BCHM 30700	Biochemistry	CHM 25600	4	PHYS 22100 or PHYS 23400	General Physics or Physics for Life Sciences II	PHYS 22000 or PHYS 23400
4	PHYS 22000 or PHYS 23300	General Physics or Physics for Life Sciences I		4	BIOL 22100	Microbiology	BIOL 11100
3	STAT 30100	Elementary Statistical Methods		3	-----	Humanities or Social Science Selective	
3	-----	Animal Physiology Selective	ANSC 23000	3	-----	Economics Selective	
3	-----	UCC Humanities Selective					

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Fall 4th Year				Spring 4th Year			
1	ANSC 48100	Contemporary Issues in Animal Sciences		3	-----	Animal Nutrition Selective	ANSC 22100
4	-----	Animal Genetics Selective	AGRY 32000 and STAT 30100	3	-----	Animal Products Selective	
3	-----	Animal Production/Management Selective	ANSC 22100	2	-----	Animal Sciences Selective	
3	-----	Humanities or Social Science Selective		3	-----	Humanities or Social Science Selective (30000+ level)	
3	-----	Elective		3	-----	Written or Oral Communication Selective	

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The highlighted course is considered critical; timely progress toward the degree depends upon steady progress through each course in the plan of study, but this course, in particular, should be completed by the semester indicated.

Consultation with an advisor may result in an altered plan customized for an individual student.

Official and complete prerequisite lists are in the course catalog; the incomplete listing presented here regards this program and course sequencing.