

## Animal Sciences: Biosciences

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

Credits Course number Course Title

**Departmental/Program Major Courses (112 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

**ANSC Restricted Selectives (24 credits) (see ANSC Undergraduate Student Handbook)**

_____	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

**Other Departmental /Program Course Requirements (76 credits) (see ANSC Undergraduate Student Handbook)**

_____	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
_____	1	BCHM 30900	Biochemistry Laboratory
_____	4	BIOL 11000	Fundamentals of Biology I
_____	4	BIOL 11100	Fundamentals of Biology II
_____	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
_____	3	STAT 30100	Elementary Statistical Methods (satisfies Information Literacy for core)
_____	9	-----	Science Selective
_____	3	-----	<u>Economics Selective (satisfies Human Culture Behavioral/Social Science for core)</u>
_____	3	-----	<u>UCC Humanities Selective (satisfies Human Cultures Humanities for core)</u>
_____	3	-----	<u>Humanities or Social Science Selective</u>
_____	3	-----	<u>Humanities or Social Science Selective</u>
_____	3	-----	<u>Humanities or Social Science Selective (30000+ level)</u>
_____			First-Year Composition (satisfies Written Communication for core) (satisfies Information Literacy for core)
_____	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	-----	<u>Written or Oral Communication Selective</u>

**Electives (8 credits)**

_____	8	-----	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: \_\_\_\_\_

## Animal Sciences: Biosciences

<https://ag.purdue.edu/oap/Pages/major.aspx>

Credits	Course number	Course Title	Prerequisites	Credits	Course number	Course Title	Prerequisites
<b>Fall 1st Year</b>				<b>Spring 1st Year</b>			
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 110
3	ANSC 10200	Introduction to Animal Agriculture		4	CHM 11600	General Chemistry	CHM 115
4	BIOL 11000	Fundamentals of Biology I		4	ENGL 10600	First-Year Composition	
4	CHM 11500	General Chemistry		3	MA 16020	Applied Calculus II	MA 16010
3	MA 16010	Applied Calculus I	ALEKS 75+				
<b>15</b>				<b>16</b>			

<b>Fall 2nd Year</b>				<b>Spring 2nd Year</b>			
3	ANSC 22100	Principles of Animal Nutrition	CHM 11100	3	AGRY 32000	Genetics	BIOL 11100
3	CHM 25500	Organic Chemistry	CHM 11200	1	AGRY 32100	Genetics Laboratory	
1	CHM 25501	Organic Chemistry Laboratory		4	ANSC 23000	Physiology of Domestic Animals	BIOL 11100
3	COM 11400 or COM 21700	Fundamentals of Speech or Scientific Communication		3	CHM 25600	Organic Chemistry	CHM 25500
2	-----	Animal Sciences Selective		1	CHM 25601	Organic Chemistry Laboratory	
3	-----	Economics Selective		3	-----	UCC Humanities Selective	
<b>15</b>				<b>15</b>			

<b>Fall 3rd Year</b>				<b>Spring 3rd Year</b>			
3	BCHM 30700	Biochemistry	CHM 25600	4	-----	Animal Genetics Selective	AGRY 32000 and STAT 30100
1	BCHM 30900	Biochemistry Laboratory	pre/co: BCHM 307	3	-----	Animal Nutrition Selective	ANSC 22100
3	STAT 30100	Elementary Statistical Methods		3	-----	Humanities or Social Science Selective	
3	-----	Animal Physiology Selective	ANSC 23000	3	-----	Science Selective	
3	-----	Science Selective		2	-----	Elective	
3	-----	Humanities or Social Science Selective					
<b>16</b>				<b>15</b>			

<b>Fall 4th Year</b>				<b>Spring 4th Year</b>			
1	ANSC 48100	Contemporary Issues in Animal Sciences		3	-----	Animal Products Selective	
3	-----	Animal Production/Management Selective	ANSC 22100	3	-----	Animal Science Selectives	
3	-----	Humanities or Social Science Selective (30000+ level)		3	-----	Science Selectives	
3	-----	Animal Science Selective		4	-----	Electives	
3	-----	Written or Oral Communication Selective					
2	-----	Elective					
<b>15</b>				<b>13</b>			

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

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.