PURDUE UNIVERSITY

Animal Sciences: Products

Animal Sciences Department / College of Agriculture

COA-ANSC-BS / Major: ASCI/PRDT 201710

120 Credits for graduation

Name:_____ **PUID:**_____ **Date:** _____

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[cc] Principles of Animal Nutrition
_____ (4) ANSC 23000 Physiology of Domestic Animals
_____ (1) ANSC 48100 Contemporary Issues in Animal Sciences

ANSC Restricted Selectives (21 credits)

_____ (4) Animal Genetics Selective[5]
_____ (3) Animal Nutrition Selective[6]
_____ (3) Animal Physiology Selective[7]
_____ (3) Animal Production/Management selective[8]
_____ (3) Animal Products Selective[9]
(5) Animal Sciences Selectives[10]

Other Departmental/ Program Course Requirements (67-68 credits)

_____ (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
_____ (3) BCHM 30700 Biochemistry
_____ (1) BCHM 30900 Biochemistry Laboratory
_____ (4) BIOL 22100 Introduction to Microbiology
_____ (4) BIOL 11000 Fundamentals of Biology I
_____ (4) BIOL 11100 Fundamentals of Biology II
_____ (3) CHM 11100 General Chemistry (satisfies Science #1 for core)
_____ (3) CHM 11200 General Chemistry (satisfies Science #2 for core)
_____ (4) CHM 25700 Organic Chemistry
_____ (3) MA 16010 Applied Calculus I (satisfies Quantitative Reasoning for core)
_____ (3) STAT 30100 Elementary Statistical Methods (satisfies Information Literacy for core)
_____ (3) Business Management Selective[11]
_____ (3) Food Science Selective[12]
_____ (3) Economics Selective (satisfies Human Culture Behavioral/Social Science for core) [3]
_____ (3) UCC Humanities Selective (satisfies Human Cultures Humanities for core)[1]
_____ (3) Humanities or Social Science Selective[2]
_____ (3) Humanities or Social Science Selective[2]
_____ (3) Humanities or Social Science Selective (30000+ level) [2]
_____ (4) ENGL 10600 First-Year Composition (satisfies Written Communication for core) (satisfies Information Literacy Selective for core)
_____ (3) COM 11400 Fundamentals of Speech Communication (satisfies Oral Communication for core)
Or COM 21700 Science Writing and Presentation
_____ (3) Written or Oral Communications Selective[4]

Electives (19-20 credits)

_____ (19-20) Elective

University Core Requirements (http://www.purdue.edu/provost/initiatives/curriculum/course.html)

Human Cultures Humanities	☐ _____	*Science, Technology & Society Selective*	☐ _____
Human Cultures Behavioral/Social Science	☐ _____	*Written Communication*	☐ _____
Information Literacy	☐ _____	*Oral Communication*	☐ _____
Science Selective	☐ _____	*Quantitative Reasoning*	☐ _____
Science Selective	☐ _____		

College of Agriculture & University Level Requirements (https://ag.purdue.edu/oap/Pages/core_requirements.aspx)

3 credits Multicultural Awareness	☐ _____		
9 credits International Understanding	☐ _____	☐ _____	☐ _____
9 credits of Hum. And/or Social Sciences outside the College of Agriculture	☐ _____	☐ _____	☐ _____
3 credits of Hum. And/or Social Science at 30000 or higher	☐ _____		

Animal Sciences: Products

Suggested Arrangement of Courses:

Credits	Fall 1st Year	Prerequisite
0.5	AGR 10100 Introduction to the College of Agriculture and Purdue University	
0.5	AGR 11400 Introduction to Animal Sciences Academic Programs	
3	ANSC 10200 Introduction to Animal Agriculture	
4	BIOL 11000 Fundamentals of Biology I	
3	CHM 11100 General Chemistry	
4	ENGL 10600 First-Year Composition	
15		

Credits	Spring 1st Year	Prerequisite
1	ANSC 18100 Orientation to Animal Sciences	
4	BIOL 11100 Fundamentals of Biology II	BIOL 11000
3	CHM 11200 General Chemistry	CHM 11100
3	COM 11400 Fundamentals of Speech or COM 21700 Science Writing and Presentation	
3	MA 16010 Applied Calculus I	ALEKS 75+
1	Elective	
15		

Credits	Fall 2nd Year	Prerequisite
3	ANSC 22100[cc] Principles of Animal Nutrition	CHM 11100
4	CHM 25700 Organic Chemistry	CHM 11200
3	Business Management Selective	
3	Economics Selective	
3	Written or Oral Communication Selective	
16		

Credits	Spring 2nd Year	Prerequisite
3	AGRY 32000 Genetics	BIOL 11100
4	ANSC 23000 Physiology of Domestic Animals	BIOL 11100
3	BCHM 30700 Biochemistry	CHM 25700
1	BCHM 30900 Biochemistry Lab	CHM 25700
3	Animal Sciences Selective	
14		

Credits	Fall 3rd Year	Prerequisite
4	BIOL 22100 Introduction to Microbiology	BIOL 11100
4	STAT 30100 Elementary Statistical Methods	
3	Animal Nutrition Selective	ANSC 22100
3	Animal Products Selective	
3	UCC Humanities Selective	
17		

Credits	Spring 3rd Year	Prerequisite
4	Animal Genetics Selective	AGRY 32000 and STAT 30100
4	Animal Physiology Selective	
3	Humanities or Social Science Selective	
4	Electives	
14		

Credits	Fall 4th Year	Prerequisite
1	ANSC 48100 Contemporary Issues in Animal Sciences	
3	Animal Production/Management Selective	ANSC 22100, 23000
3-4	Food Science Selective	
3	Humanities or Social Science Selective	
5	Electives	
15-16		

Credits	Spring 4th Year	Prerequisite
2	Animal Sciences Selective	
3	Humanities or Social Science Selective(30000+ level)	
9-10	Electives	
14-15		

1) 120 credits listed above are required for Bachelor of Science degree.
2) 2.0 Graduation GPA required for Bachelor of Science degree.
3) 32 credits of upper division courses (30000 level or higher) must be taken at Purdue University, West Lafayette.
4) ANY COURSE TAKEN AT PURDUE CAN BE ATTEMPTED NO MORE THAN THREE TIMES (INCLUSIVE OF W, WF, I AND IF).
5) CC = is considered a critical course

See next page for all supplemental Information

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The student is ultimately responsible for knowing and completing all degree requirements.
myPurdue Plan is knowledge source for specific requirements and completion

ASCI/PRDT Supplemental Information

All prerequisites must be met

[1]University Core Curriculum Humanities Selective (3 credits)
See approved Humanities list at: http://www.purdue.edu/provost/initiatives/curriculum/course.html

[2]Humanities and Social Science Selective (9 credits)
See approved list at: https://ag.purdue.edu/oap/pages/core-social_humanities.aspx

[3]Economics Selective (3 credits)

AGEC 20300 Introductory Microeconomics for Food and Agribusiness	AGEC 21700 Economics	ECON 25100 Microeconomics
AGEC 20400 Introduction to Resource Economics and Environmental Policy	ECON 21000 Principles of Economics	ECON 25200 Macroeconomics

[4]Written or Oral Communication Selective (3 credits)

AGR 20100 Communication Across Culture	COM 20000-59900	YDAE 44000 Methods of Teaching Agriculture Education
ASL 10000-59900	ENGL 20000-59900	

[5]Animal Genetics Selective (3 to 4 credits)

ANSC 31100 Animal Breeding	ANSC 51400 Animal Biotechnology	BIOL 41500 Introduction to Molecular Biology
ANSC 51100 Population Genetics		

[6]Animal Nutrition Selective (3 credits)

ANSC 32400 Applied Animal Nutrition	ANSC 52400 Ruminant Nutrition and Physiology
ANSC 52200 Monogastric Nutrition	

[7]Animal Physiology Selective (3 credits)

ANSC 33200 0Environmental Physiology of Domestic Animals	ANSC 53500 Avian Physiology	ANSC 55500 Animal Growth and Development
ANSC 33300 Physiology of Reproduction	ANSC 55100 Muscle Development, Physiology, and Chemistry	BMS 52800 Avian Physiology

[8]Animal Production Management Selective (3 credits)

ANSC 44000 Horse Management	ANSC 44300 Swine Management	ANSC 44500 Commercial Poultry Management
ANSC 44100 Beef Management	ANSC 44400 Dairy Management	ANSC 44600 Companion Animal Management
ANSC 44200 Sheep Management		

[9]Animal Products Selective (3 to 4 credits)

ANSC 30100 Animal Growth, Development, and Evaluation	ANSC 35100 Meat Science

[10]Animal Science Selective (3 to 4 credits)

ANSC 10100 - 59500

[11]Business Management Selective (3 credits)

AGEC 31100 Accounting for Farm Business Planning	ECON 25100 Microeconomics
AGEC 33000 Management Methods for Agricultural Business	MGMT 20000 Introductory Accounting
CSR 34200 Personal Finance	MGMT 20010 Business Accounting

[12]Food Science Selective (4credits)

FS 34100 Food Processing I	FS 45300 Food Chemistry
FS 36200 Food Microbiology	