



**SOUTH DAKOTA BOARD OF REGENTS
ACADEMIC AFFAIRS FORMS**

Substantive Program Modification Form

UNIVERSITY:	SDSU
CURRENT PROGRAM TITLE:	Animal Science (B.S.) - Industry Specialization
CIP CODE:	01.0901 – Animal Science Major 01.0901 – Industry Specialization
UNIVERSITY DEPARTMENT:	Animal Science
BANNER DEPARTMENT CODE:	SANS
UNIVERSITY DIVISION:	Agriculture, Food & Environmental Sciences
BANNER DIVISION CODE:	3F

University Approval

To the Board of Regents and the Executive Director: I certify that I have read this proposal, that I believe it to be accurate, and that it has been evaluated and approved as provided by university policy.

Dennis D. Hedge	3/25/2020
Vice President of Academic Affairs or President of the University	Date

1. This modification addresses a change in:

- | | |
|---|---|
| <input type="checkbox"/> Total credits required within the discipline | <input checked="" type="checkbox"/> Total credits of supportive course work |
| <input checked="" type="checkbox"/> Total credits of elective course work | <input type="checkbox"/> Total credits required for program |
| <input type="checkbox"/> Program name | <input checked="" type="checkbox"/> Existing specialization |
| <input type="checkbox"/> CIP Code | <input type="checkbox"/> Other (explain below) |

2. Effective date of change: 2020-2021 Academic Year

3. Program Degree Level: Associate Bachelor's Master's Doctoral

4. Category: Certificate Specialization Minor Major

5. If a name change is proposed, the change will occur:

- On the effective date for all students
- On the effective date for students new to the program (enrolled students will graduate from existing program)

Proposed new name:

Reminder: Name changes may require updating related articulation agreements, site approvals, etc.

6. Primary Aspects of the Modification:

Existing Curriculum

Proposed Curriculum (highlight changes)

Pref.	Num.	Title	Cr. Hrs.	Pref.	Num.	Title	Cr. Hrs.
		System General Education Requirement	30-34			System General Education Requirement	30-34
		SGR Goal 1 Written Communication: ENGL 101 English Composition I (3) ENGL 201 English Composition II (3)	6			SGR 1 Written Communication: ENGL 101 English Composition I (3) ENGL 201 English Composition II (3)	6
		SGR 2 Oral Communication: SPCM 101 Fundamentals of Speech	3			SGR 2 Oral Communication: SPCM 101 Fundamentals of Speech (3)	3

Existing Curriculum

Proposed Curriculum (*highlight changes*)

Pref.	Num.	Title	Cr. Hrs.	Pref.	Num.	Title	Cr. Hrs.
SGR 3		Social Sciences/Diversity <i>Industry Specialization:</i> ABS 203 Global Food Systems (3) AND ECON 201 Principles of Microeconomics (3)	6	SGR 3		Social Sciences/Diversity <i>Industry Specialization:</i> ABS 203 Global Food Systems (3) Student Choice (3) AND ECON 201 Principles of Microeconomics (3)	6
SGR 4		Arts and Humanities/Diversity Student Choice	6	SGR 4		Arts and Humanities/Diversity Student Choice	6
SGR 5		Mathematics: <i>Industry Specialization:</i> MATH 102 College Algebra (3) OR MATH 115 Precalculus (5) OR MATH 121-121L Survey of Calculus and Lab (5) OR MATH 123 Calculus I (4)	3-5	SGR 5		Mathematics: <i>Industry Specialization:</i> MATH 114 College Algebra (3) OR MATH 115 Precalculus (5) OR MATH 121-121L Survey of Calculus and Lab (5) OR MATH 123 Calculus I (4)	3-5
SGR 6		Natural Sciences: <i>Industry Specialization:</i> BIOL 101-101L Biology Survey I & Lab (3) OR BIOL 151-151L General Biology I & Lab (4) AND BIOL 103-103L Biology Survey II & Lab (3) OR BIOL 153-153L General Biology II & Lab (4)	6-8	SGR 6		Natural Sciences: <i>Industry Specialization:</i> BIOL 101-101L Biology Survey I & Lab (3) OR BIOL 151-151L General Biology I & Lab (4) AND BIOL 103-103L Biology Survey II & Lab (3) OR BIOL 153-153L General Biology II & Lab (4)	6-8
College Requirements			0	College Requirements			1
Group 1 Courses from the College of Agriculture and Biological Sciences. ABS 203 Global Food Systems (3) (SGR #3) AS 101-101L Introduction to Animal Science and Lab (4) (Major Requirements) AS 241-241L Introduction to Meat Science and Lab (3) (Major Requirements) AS 319-319L Livestock Feeds and Feeding (3) (Major Requirements)			0	Group 1 Courses from the College of Agriculture and Biological Sciences. ABS 203 Global Food Systems (3) (SGR #3) Select from Group 1 Courses (1) AS 101-101L Introduction to Animal Science and Lab (4) (Major Requirements) AS 101-101L Introduction to Animal Science and Lab (4) (Major Requirements) AS 241-241L Introduction to Meat Science and Lab (3) (Major Requirements) AS 319-319L Livestock Feeds and Feeding (3) (Major Requirements)			1
Major Requirements			59-62	Major Requirements			59-62
Animal Science Core Requirements			32-34	Animal Science Core Requirements			32-34
ACCT	210	Principles of Accounting I		ACCT	210	Principles of Accounting I	3
AS	101-101L	Introduction to Animal Science and Lab	3, 1	AS	101-101L	Introduction to Animal Science and Lab	3, 1
AS	119	Opportunities in Animal and Veterinary Sciences	1	AS	119	Opportunities in Animal and Veterinary Sciences	1
AS	120	Survey of Animal Science (1)	1	AS	120	Survey of Animal Science (1)	1
OR VET	120	Introduction to Veterinary Science (1)		OR VET	120	Introduction to Veterinary Science (1)	
AS	319-319L	Livestock Feeds and Feeding and Lab	3	AS	319-319L	Livestock Feeds and Feeding and Lab	3
AS	241-241L	Introduction to Meat Science and Lab	3	AS	241-241L	Introduction to Meat Science and Lab	3
AS	219	Principles of Animal Nutrition	3	AS	219	Principles of Animal Nutrition	3
AS	332	Livestock Breeding and Genetics	4	AS	332	Livestock Breeding and Genetics	4
AS	333-333L	Livestock Reproduction and Lab	3	AS	333-333L	Livestock Reproduction and Lab	3
AS	389	Current Issues in Animal Science	3	AS	389	Current Issues in Animal Science	3
VET	403	Animal Diseases and their Control	3	VET	403	Animal Diseases and their Control	3
		Select one of the following: ABS 482 International Experience AS 322 Advanced Livestock Evaluation AS 400 Judging Team AS 491 Independent Study AS 494 Internship AS 498 Undergraduate	1-3			Select one of the following: ABS 482 International Experience AS 322 Advanced Livestock Evaluation AS 400 Judging Team AS 491 Independent Study AS 494 Internship	1-3

Existing Curriculum

Proposed Curriculum (*highlight changes*)

Pref.	Num.	Title	Cr. Hrs.	Pref.	Num.	Title	Cr. Hrs.
		Research/Scholarship				AS 498 Undergraduate Research/Scholarship	
Animal Science - Industry Specialization			27-28	Animal Science - Industry Specialization			27-28
AGEC	354	Agricultural Marketing and Pricing	3	AGEC	354	Agricultural Marketing and Pricing	3
AS	285-285L	Livestock Evaluation and Marketing and Lab	3	AS	285-285L	Livestock Evaluation and Marketing and Lab	3
		Select 9 credits from the following courses: AS 476-476L Horse Production and Lab (3) AS 445-445L Value-Added Meat Products and Lab (3) AS 450 Meat Product Safety and HACCP (3) AS 474-474L Cow/Calf Management and Lab (3) AS 475-475L Feedlot Operations and Management and Lab (3) AS 477-477L Sheep and Wool Production and Lab (3) AS 478-478L Swine Production and Lab (3)	9			Select 9 credits from the following courses: AS 476-476L Horse Production and Lab (3) AS 445-445L Value-Added Meat Products and Lab (3) AS 450 Meat Product Safety and HACCP (3) AS 474-474L Cow/Calf Management and Lab (3) AS 475-475L Feedlot Operations and Management and Lab (3) AS 477-477L Sheep and Wool Production and Lab (3) AS 478-478L Swine Production and Lab (3)	9
CHEM OR CHEM	106-106L 112-112L	Chemistry Survey and Lab (4) Chemistry 1 and Lab (4)	4	CHEM OR CHEM	106-106L 112-112L	Chemistry Survey and Lab (4) Chemistry 1 and Lab (4)	4
CHEM OR CHEM	108-108L 326-326L	Organic and Biochemistry & Lab (5) Organic Chemistry I & Lab (4)	4-5	CHEM OR CHEM	108-108L 326-326L	Organic and Biochemistry & Lab (5) Organic Chemistry I & Lab (4)	4-5
VET	223-223L	Anatomy and Physiology of Domestic Animals and Lab	4	VET	223-223L	Anatomy and Physiology of Domestic Animals and Lab	4
Electives			24-31	Electives			23-30
Summary of Credits Animal Science (B.S.) – Industry Specialization							
System General Education Requirement			30-34	System General Education Requirement			30-34
College Requirements			0	College Requirements			1
Major Requirements			59-62	Major Requirements			59-62
Electives			24-31	Electives			23-30
Total number of hours required for specialization			59-62	Total number of hours required for specialization			59-62
Total number of hours required for degree			120	Total number of hours required for degree			120

7. Explanation of the Change:

Allowing student choice in selecting a course to meet SGR #3 provides greater ease in scheduling and course selection based on student interest.