



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

Substantive Program Modification Form

UNIVERSITY:	SDSU
CURRENT PROGRAM DEGREE:	Bachelor of Science (B.S.)
CURRENT PROGRAM MAJOR/MINOR:	Agricultural Science
CURRENT SPECIALIZATION:	N/A
CIP CODE:	01.0000
UNIVERSITY DEPARTMENT:	Agriculture, Food & Environmental Sciences
BANNER DEPARTMENT CODE:	SGNA
UNIVERSITY COLLEGE:	Agriculture, Food & Environmental Sciences
BANNER COLLEGE 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

Vice President of Academic Affairs or
President of the University

4/3/2023

Date

1. This modification addresses a change in:

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

Must have prior approval from Executive Director or designee

2. Effective date of change: 2023-2024 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. Is the program being modified associated with a current articulation agreement?

Yes ☒ No ☐

- a. If yes, will the articulation agreement need to be updated with the partner institution following the approve of the program change? Please explain: The college is currently reviewing all articulation agreements for this program.

7. Primary Aspects of the Modification:

Existing Curriculum				Proposed Curriculum (<i>highlight changes</i>)			
Pre	Num	Title	Cr Hrs	Pre	Num	Title	Cr Hrs
System General Education Requirements			31	System General Education Requirements			31-32
System General Education Requirements - Electives			12	System General Education Requirements - Electives			21
						SGR #1	3
						SGR #1	3
						SGR #2	3
		SGR #3	3			SGR #3	3
		SGR #4	3			SGR #4	3
		SGR #4	3			SGR #4	3
		SGR #5	3			SGR #5	3
System General Education Requirements - Required			19	System General Education Requirements - Required			10-11
ENGL	101	Composition I (SGR #1)	3	ENGL	101	Composition I (SGR #1)	3
ENGL	201	Composition II (SGR #1)	3	ENGL	201	Composition II (SGR #1)	3
CMST	101	Fundamentals of Speech (SGR #2)	3	CMST	101	Foundations of Communication (SGR #2)	3
ECON	201	Principles of Microeconomics (3)	3	ECON	201	Principles of Microeconomics (3)	3
OR		(recommended) (SGR #3)		OR		(recommended) (SGR #3)	
ECON	202	Principles of Macroeconomics (3)		ECON	202	Principles of Macroeconomics (3) (SGR #3)	
		(SGR #3)					
BIOL	101-101L	Biology Survey I & Lab (SGR #6)	3	BIOL	101-101L	Biology Survey I & Lab (SGR #6)	3-4
				or			
				BIOL	151-151L	General Biology I & Lab (SGR #6)	
CHEM	106-106L	Chemistry Survey & Lab (SGR #6)		CHEM	106-106L	Chemistry Survey & Lab (SGR #6) or	4
			4	or			
				CHEM	112-112L	General Chemistry I & Lab (SGR# 6)	
College Requirements			12-13	College Requirements			12-13
Students must complete a minimum of 11 credits from the approved list of Group 1 courses in Agriculture, Food and Environmental Science. Some departments require specific courses from the list, whereas others leave the selection entirely to the student and the advisor.				Students must complete a minimum of 11 credits from the approved list of Group 1 courses in Agriculture, Food and Environmental Science. Some departments require specific courses from the list, whereas others leave the selection entirely to the student and the advisor.			
AGEC	271	Farm and Ranch Management	3	AGEC	271	Farm and Ranch Management	3
AS	101-101L	Introduction to Animal Science & Lab (3,1)	3-4	AS	101-101L	Introduction to Animal Science & Lab (3,1)	3-4
OR				OR			
AS	102	AS 102 Fundamentals of Animal Science (3)		AS	102	AS 102 Fundamentals of Animal Science (3)	
OR				OR			
DS	130-130L	Introduction to Dairy Science & Lab (3)		DS	130-130L	Introduction to Dairy Science & Lab (2, 1)	
PS	103	Crop Production	2	PS	103	Crop Production (Major Requirement)	2
PS	103L	Crop Production Lab	1	PS	103L	Crop Production Lab (Major Requirement)	1
PS	213	Soils	2	PS	213	Soils	2
PS	213L	Soils Lab	1	PS	213L	Soils Lab	1
Major Requirements			30-34	Major Requirements			43-47
ABS	119	First Year Seminar	2	ABS	119	First Year Seminar	2
ACCT	210	Principles of Accounting I (3)	3	ACCT	210	Principles of Accounting I (3)	3
OR				OR			
STAT	281	Introduction to Statistics (3)		STAT	281	Introduction to Statistics (3)	
				AGEC	271	Farm and Ranch Management	3
AGEC	354	Agricultural Marketing and Prices	3	AGEC	354	Agricultural Marketing and Prices	3

Existing Curriculum				Proposed Curriculum (<i>highlight changes</i>)			
Pre	Num	Title	Cr Hrs	Pre	Num	Title	Cr Hrs
				AS OR AS OR DS	101-101L 102 130-130L	Introduction to Animal Science & Lab (3,1) AS 102 Fundamentals of Animal Science (3) Introduction to Dairy Science & Lab (2, 1)	3-4
AS OR AS	218 319-319L	Survey of Animal Nutrition (3) Livestock Feeds and Feeding and Lab (3)	3	AS OR AS	218 319-319L	Survey of Animal Nutrition (3) Livestock Feeds and Feeding and Lab (2,1)	3
AS OR BIOL OR PS	332 371 383-383L	Livestock Breeding and Genetics (4) Genetics (3) Principles of Crop Improvement & Lab (2,1)	3-4	AS OR BIOL OR PS	332 371 383-383L	Livestock Breeding and Genetics (4) Genetics (3) Principles of Crop Improvement & Lab (2,1)	3-4
BIOL OR BOT OR RANG OR PRAG	103-103L 201-201L 205-205L 203-203L	Biology Survey II & Lab (2,1) General Botany & Lab (3,0) Intro to Range Management & Lab (2,1) Intro to Precision Agriculture and Lab (3,0)	3	BIOL OR BOT OR RANG OR PRAG	103-103L 201-201L 205-205L 203-203L	Biology Survey II & Lab (2,1) General Botany & Lab (3,0) Intro to Range Management & Lab (2,1) Intro to Precision Agriculture and Lab (2,1)	3
				PS	103	Crop Production	2
				PS	103L	Crop Production Lab	1
				PS	213	Soils	2
				PS	213L	Soils Lab	1
Agriculture Electives			6	Agriculture Electives			6
		Complete <u>six</u> credits with the prefix(es) of ABE, ABS, AST, DS, EES, FS, HO, NRM, PRAG, RANG, VET or WL.	6			Complete <u>six</u> credits with the prefix(es) of ABE, ABS, AST, DS, EES, FS, HO, NRM, PRAG, RANG, VET or WL.	6
Ag Product Electives			2-3	Ag Product Electives			2-3
		Select at least <u>one</u> course from the following.	2-3			Select at least <u>one</u> course from the following.	2-3
AS	241	Introduction to Meat Science	3	AS	241	Introduction to Meat Science	2
AS	241L	Introduction to Meat Science Lab	0	AS	241L	Introduction to Meat Science Lab	1
AS	285	Livestock Evaluation and Marketing	3	AS	285	Livestock Evaluation and Marketing	2
AS	285L	Livestock Evaluation and Marketing Lab	0	AS	285L	Livestock Evaluation and Marketing Lab	1
DS	231	Dairy Foods	3	DS	231	Dairy Foods	3
FS	101	Introduction to Food Science	3	FS	101	Introduction to Food Science	3
PS	308	Grain Grading	1	PS	308	Grain Grading	1
PS	308L	Grain Grading Lab	1	PS	308L	Grain Grading Lab	1
PS	312	Grain and Seed Production and Processing	3	PS	312	Grain and Seed Production and Processing	3
PS	403	Seed Technology	2	PS	403	Seed Technology	2
PS	403L	Seed Technology Lab	1	PS	403L	Seed Technology Lab	1
Business Elective			3	Business Elective			3
		Select <u>one</u> course from the following.				Select <u>one</u> course from the following.	
AGEC	274	Agribusiness Sales	3	AGEC	274	Agribusiness Sales	3
AGEC	352	Agricultural Law	3	AGEC	352	Agricultural Law	3
AGEC	362	Environmental Law	3	AGEC	362	Environmental Law	3
AGEC	364	Introduction to Cooperatives	3	AGEC	364	Introduction to Cooperatives	3

<i>Existing Curriculum</i>				<i>Proposed Curriculum (highlight changes)</i>			
Pre	Num	Title	Cr Hrs	Pre	Num	Title	Cr Hrs
AGEC	366	Food Law	3	AGEC	366	Food Law	3
AGEC	371	Agricultural Business Management	3	AGEC	371	Agricultural Business Management	3
FIN	280	Personal Finance	3	FIN	280	Personal Finance	3
MGMT	334	Small Business Management	3	MGMT	334	Small Business Management	3
MKTG	474	Personal Selling	3	MKTG	474	Personal Selling	3
Capstone Requirement			2-4	Capstone Requirement			3-4
		Select one of the following. ABS 475-475L Integrated Natural Resource Management and Lab (3) AGEC 471 Advanced Farm & Ranch Management (3) AS 389 Current Issues in Animal Science (3) DS 480-480L Dairy Farm Operations I and Lab (4) DS 481-481L Dairy Farm Operations II and Lab (4) HO 434 Local Food Production (2) HO 435 Local Food Production: Harvest and Storage (2) PRAG 440-440L Crop Management with Precision Farming and Lab (2, 1) RANG 374-374L Habitat Conservation and Management and Lab (4)	2-4			Select one of the following. ABS 475-475L Integrated Natural Resource Management and Lab (3) AGEC 471 Advanced Farm & Ranch Management (3) AS 389 Current Issues in Animal Science (3) DS 480-480L Dairy Farm Operations I and Lab (3,1) DS 481-481L Dairy Farm Operations II and Lab (3,1) HO 434 Local Food Production (2) HO 435 Local Food Production: Harvest and Storage (2) PRAG 440-440L Crop Management with Precision Farming and Lab (2,1) RANG 374-374L Habitat Conservation and Management and Lab (3,1)	3-4
Electives			42-47	Electives			41-46
		Taken as needed to complete any additional degree requirements.				Taken as needed to complete any additional degree requirements.	
Summary of Credits Agricultural Science (B.S.)							
System General Education Requirements			31	System General Education Requirements			31-32
College Requirements			12-13	College Requirements			12-13
Major Requirements			30-34	Major Requirements			43-47
Electives			42-47	Electives			41-46
Total number of hours required for major			61-66	Total number of hours required for major			53-58
Total number of hours required for degree			120	Total number of hours required for degree			120

8. Explanation of the Change:

Removed a specific course selection from SGR #1 and SGR #2 to allow students more flexibility in meeting their System General Education requirements.

Added BIOL 151-151L General Biology I & Lab and CHEM 112/L General Chemistry I & Lab as options for SGR #6. Through advising, students will still be directed to BIOL 101-101LL Biology Survey I & Lab and CHEM 106-106L Chemistry Survey & Lab, so no impact to course capacity is anticipated. Added the options of the higher level science courses reduces common substitutions that would be allowed if students change majors, transfer in credit, or experience course conflicts.

The College of Agriculture, Food and Environmental Sciences has eliminated the college requirement to complete 11 credits from the Group 1 list. The 12-13 credit hours previously listed

under College requirements were realigned to the Major Requirements to better clarify that these courses are program/major requirements.

In addition, departments have updated zero credit lab courses. Departments have adjusted the credits between the lecture and labs to accurately reflect contact time.