

SOUTH DAKOTA BOARD OF REGENTS  
ACADEMIC AFFAIRS FORMS

New Certificate

UNIVERSITY:	SDSU
TITLE OF PROPOSED CERTIFICATE :	Livestock and Animal Products Evaluation
INTENDED DATE OF IMPLEMENTATION :	2021-2022 Academic Year
PROPOSED CIP CODE	01.0903
UNIVERSITY DEPARTMENT:	Animal Science
BANNER DEPARTMENT CODE:	SANS
UNIVERSITY DIVISION:	Agriculture, Food & Environmental Sciences
BANNER DIVISION CODE:	3F

Please check this box to confirm that:

- The individual preparing this request has read [AAC Guideline 27](#), which pertains to new certificate requests, and that this request meets the requirements outlined in the guidelines.
- This request will not be posted to the university website for review of the Academic Affairs Committee until it is approved by the Executive Director and Chief Academic Officer.

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.

\_\_\_\_\_  
Institutional Approval Signature  
President or Chief Academic Officer of the University

\_\_\_\_\_  
4/30/2021  
Date

1. Is this a graduate

Department of Agriculture grading systems, industry data such as expected progeny differences, and visual evaluation of livestock and animal products.

The Livestock and Animal Products Evaluation Certificate is designed to be a value-added credential predominantly for majors in the College of Agriculture, Food and Environmental Sciences, including but not limited to Animal Science, Dairy Production, Dairy Manufacturing, and Agricultural Education, Communication and Leadership majors.

SDSU does not request new state resources for the proposed certificate

3. If you do not have a major in this field, explain how the proposed certificate relates to your university mission and strategic plan, and to the current Board of Regents Strategic Plan 2014-2020.

The Livestock and Animal Products Evaluation Certificate supports the mission of SDSU as provided in SDCL 15-8-1: 'H V L J Q D W H G D V 6 R X W K ' D N R W D ' V O D Q G J U Dakota State University, formerly the state college of agriculture and mechanical arts, shall be under the control of the Board of Regents and shall provide undergraduate and graduate programs of instruction in the liberal arts and sciences and professional education in agriculture, education, engineering, home economics, nursing and pharmacy, and other courses or programs as the Board of Regents may determine.

The proposed certificate also supports the goals stated in the South Dakota Board of Regents Strategic Plan 2014-2020:

Goal 2 Academic Quality and Performance

- x Grow the number of students participating in experiential learning.
- x Develop and grow high quality and distinct academic programs to meet the needs of diverse students and market demands.

Goal 3 Research and Economic Development

- x Encourage campuses to increase recruitment and retention of undergraduate STEM majors.
- x Encourage development of academic programs and certificates that align with existing and future state workforce needs.

In addition, this undergraduate certificate aligns with the 6 ' 6 8 ' Imagine 2023 strategic plan by offering a student-centered education. Specifically, the courses and certificate will contribute to the attainment of Strategic Goal 1 Excellence through Transformative Education. This will be a high quality academic program that utilizes active and innovative teaching and learning practices and incorporates multiple cross-disciplinary skills, including inquiry and analysis, critical thinking, teamwork and problem-solving.

4. Provide a justification for the certificate program, including the potential benefits to students and potential workforce demand for those who graduate with the credential.

The undergraduate certificate is designed to be a value-added credential. Given strong interest in livestock, meats, dairy and food industries, individuals with the type of training provided by

<sup>1</sup> <https://www.sdstate.edu/imagine2023aspirediscoverachieve>





8. Student Outcome and Demonstration of Individual Achievement.

% R D U G 3 R O L F \ U H T X L U H V F H U W L I L F D W H S U R J U D P V W R  
 outcomes.

A. What specific knowledge and competencies, including technology competencies, will all students demonstrate before graduation? The knowledge and competencies should be specific to the program and not routinely expected of all university graduates.

Students in the Livestock and Meat Animal Products Evaluation Certificate will develop:

- x Understanding of United States Department of Agriculture standards for relevant commodities.
- x Expertise in visual evaluation of livestock and animal products.
- x Expertise in evaluation of genetic and economic data, such as livestock Expected Progeny Differences (EPDs) and market value of commodities.
- x Advanced decision-making skills involving combinations of livestock genetic and performance data, visual evaluation of livestock, livestock and animal products economic data and visual evaluation of animal products.

B. Complete the table below to list specific learning outcomes ± knowledge and competencies ± for courses in the proposed program in each row.

Individual Student Outcome	Program Courses that Address the Outcomes		
	AS 101-101L*	AS 200*	AS 201*

	Yes/No	Intended Start Date
On campus	Yes	2021-22 Academic Year

	Yes/No	If Yes, list location(s)	Intended Start Date
Off campus	No		

	Yes/No	If Yes, identify delivery methods Delivery methods are defined in <a href="#">AC Guideline 5.5</a>	Intended Start Date
Distance Delivery (online/other distance delivery methods) Doesn't	No		