



April 12, 2021

Dr. Michael Baumgartner
Executive Director
Coordinating Commission for
Postsecondary Education
140 N. 8th Street, Suite 300
Lincoln, NE 68509

Dear Michael:

Enclosed is a copy of the proposal to create an 18-credit hour Animal Science Management Undergraduate Certificate in the Department of Animal Science in the College of Agricultural Sciences and Natural Resources at UNL. The proposal was approved by the Board of Regents at the April 9, 2021 meeting. Also enclosed is the Proposal for New Instructional Program Form 92-40.

Please do not hesitate to contact me if you have any questions.

Sincerely,

A handwritten signature in blue ink that reads "Susan M. Fritz".

Susan M. Fritz, PhD
Executive Vice President and Provost

Enclosures

c: Chancellor Ronnie Green
Executive Vice Chancellor Elizabeth Spiller
Vice President and Harlan Vice Chancellor Michael Boehm
Dean Tiffany Heng-Moss, College of Agricultural Sciences and Natural Resources
Vice Provost David Jackson

Executive Vice President and Provost

Varner Hall | 3835 Holdrege Street | Lincoln, NE 68583-0743 | 402.472.5242 | FAX: 402.472.4240 | nebraska.edu

**COORDINATING COMMISSION
FOR POSTSECONDARY EDUCATION**

140 N. 8th Street, Suite 300
Lincoln, NE 68508

Telephone: (402) 471-2847
FAX: (402) 471-2886

PROPOSAL FOR NEW INSTRUCTIONAL PROGRAM
Form 92-40

SECTION I

Institution Submitting Proposal: University of Nebraska-Lincoln

Title of Program: Animal Science Management

CIP Code: 01.0901

Organizational Unit in which program will be located:

Department of Animal Science
College of Agricultural Sciences and Natural Resources

Name of contact person in the event additional information is needed: Dr. Susan M. Fritz

Telephone: 402-472-5242

Degree, Diploma, or Certificate to be offered (use separate submittal for each level):

Animal Science Management Undergraduate Certificate

Proposed date to initiate program: When approved by the Coordinating Commission

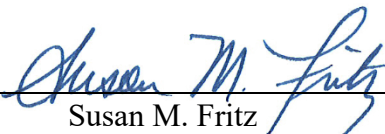
List the location(s) where this program will be offered: UNL

If the program has a projected ending date, please so indicate:

Date approved by Governing Board: April 9, 2021

(Attach all documents related to this proposal upon which the Governing Board made its decision to approve the proposal.)

Chief Executive Officer's or other Authorized Officer's signature: _____


Susan M. Fritz

TO: The Board of Regents Addendum XI-A-4

Academic Affairs Committee

MEETING DATE: April 9, 2021

SUBJECT: Creation of an 18-credit hour Animal Science Management Undergraduate Certificate in the Department of Animal Science in the College of Agricultural Sciences and Natural Resources at the University of Nebraska-Lincoln

RECOMMENDED ACTION: Approval to create an 18-credit hour Animal Science Management Undergraduate Certificate in the Department of Animal Science in the College of Agricultural Sciences and Natural Resources at the University of Nebraska-Lincoln (UNL)

PREVIOUS ACTION: The Bachelor of Science in Animal Science at UNL was established prior to modern records of Board approvals.

EXPLANATION: The proposed online and in-person 18-credit hour undergraduate certificate is designed to provide foundational coursework in animal science. Students will gain experience and knowledge applicable to careers in agriculture banking, finance, insurance, food science, agriculture mechanization and technology, federal and state regulations, and veterinary technology/medicine. As UNL is Nebraska's only university to offer an Animal Science program, the certificate will be targeted to students matriculating at two- and four-year institutions across Nebraska working towards a degree in a major besides Animal Science. The online option also will be attractive to students in other states and internationally.

This proposal has been reviewed by the Council of Academic Officers; it also has been reviewed by the Academic Affairs Committee.

PROGRAM COST: \$0 (No additional resources are required to implement and operate this certificate.)

SOURCE OF FUNDS: N/A

SPONSORS: Michael J. Boehm
Vice President, Agriculture and Natural Resources, University of Nebraska
Harlan Vice Chancellor, Institute of Agriculture and Natural Resources,
University of Nebraska-Lincoln

Ronnie D. Green, Chancellor
University of Nebraska-Lincoln

RECOMMENDED: /s/ Susan M. Fritz
Executive Vice President and Provost

DATE: March 5, 2021



January 20, 2021

Susan Fritz, Executive Vice President and Provost
University of Nebraska
3835 Holdrege Street
Lincoln, NE 68583-0743

Dear Susan,

I am forwarding materials related to a proposal from the College of Agricultural Sciences and Natural Resources to create a new Undergraduate Certificate in Animal Science Management to be administered by the Department of Animal Science.

Interest in the present online minor indicates the demand for an online certificate. This certificate program will be open to any non-degree seeking students and UNL undergraduates who are not Animal Science majors. The primary delivery of this program will be online. There are adequate existing resources, and sufficient number of qualified faculty available to support the certificate program.

This proposal has the approval of the Executive Vice Chancellor, IANR Vice Chancellor, CASNR Dean, and the Academic Planning Committee. I support this proposal and recommend it to you for approval.

Sincerely,

Ronnie D. Green, Ph.D.
Chancellor

- c: Kurt Geisinger, Chair, Academic Planning Committee
- Elizabeth Spiller, Executive Vice Chancellor, Academic Affairs
- Michael Boehm, Vice Chancellor, Institute of Agriculture and Natural Resources
- Tiffany Heng-Moss, Dean, College of Agricultural Sciences and Natural Resources
- Clint Krehbiel, Department Head, Animal Science
- Lisa Karr, Professor, Animal Science
- Mike Zeleny, Associate to the Chancellor and APC Secretary
- Renee Batman, Assistant Vice Chancellor, Academic Affairs
- Suzi Tamerius, Project Coordinator, Academic Affairs
- Karen Griffin, Coordinator of Faculty Governance

University of Nebraska-Lincoln New Undergraduate Certificate

I. Descriptive Information

Name of Institution Proposing New Undergraduate Certificate
University of Nebraska-Lincoln
Name of Proposed Undergraduate Certificate
Animal Science Management
Other Programs Offered in this Field by this Institution
Animal Science Major and Minor
CIP Code [IEA can help with CIP codes or browse here: http://nces.ed.gov/ipeds/cipcode/Default.aspx?y=55]
01.0901
Subject Code
ASCI
Primary Administrative Unit for the Proposed Undergraduate Certificate
Animal Science Department
All Units Participating in the Undergraduate Certificate
Animal Science Department
Proposed Delivery Site
University of Nebraska-Lincoln East Campus and Online
Undergraduate Certificate will be offered [full program, not individual courses]
<input type="checkbox"/> On-campus only <input type="checkbox"/> Distance only <input checked="" type="checkbox"/> Both (on-campus and distance)
Undergraduate Certificate will be Offered to
<input type="checkbox"/> UNL degree seeking <input type="checkbox"/> UNL non-degree seeking <input checked="" type="checkbox"/> Both <input type="checkbox"/> Other Not available to ASCI majors
Date Approved by the Governing Board
Pending
Proposed Date the New Undergraduate Certificate will be Initiated
Upon approval by the Coordinating Commission

II. Details

Purpose of the Proposed Undergraduate Certificate:

This undergraduate certificate would provide an education related to animal science to students at UNL or other institutions that have an interest in working in the animal industry, but are not currently Animal Science majors. The certificate will be targeted to people who are currently working towards a BS in a major besides Animal Science to help strengthen their credentials and make them more employable. Due to UNL's unique position of being the only university in Nebraska

to offer an Animal Science program, students matriculating at two- and four-year institutions across Nebraska and the United States seeking additional certification would be able to use these courses to gain experience and knowledge related to Animal Science in order to pursue careers in the following areas:

1. **Veterinary Medicine and Veterinary Technicians** - The U.S. Bureau of Labor Statistics predicts a 16 percent gain in employment from 2019 to 2029. The main reason is that the number of pets and food animals in the U.S. is growing and the emphasis on food safety is increasing. This certificate would provide students who are majoring in biology or other majors wishing to pursue veterinary school with additional training in Animal Science that may increase their chances of acceptance into veterinary school. In addition, for those who have completed a veterinary technician program at an accredited community college such as Nebraska College of Technical Agriculture (NCTA), this certificate can provide an additional credential at the upper-level that may make them more competitive for employers within the animal management, production, and health and well-being industry.
2. **Federal, State and Local Government Agencies** - Increased job opportunities to inspect livestock operations, meat and dairy plants health, environmental protection and food and drug safety as well as labs that focus on animal nutrition and health, animal health and disease control. Students looking to enter these jobs from other majors would benefit from training and education in animal science. This could supplement a degree in Agriculture Business or Law to make employees more marketable.
3. In addition, some careers in industries related to agriculture may require or benefit from animal-related knowledge as well. These include careers in agriculture banking, finance, insurance, food science, agriculture mechanization and technology, among others.

Description of the Proposed Undergraduate Certificate:

The courses in the Animal Science Management Undergraduate Certificate program will develop certificate awardees who:

1. Understand the biology and chemistry of the life sciences and apply the principles to animal nutrition, growth, reproduction, genetics and management of animals and their products.
2. Develop animal nutrition, growth, reproduction, genetics, and management recommendations related to the specific animal or animal product in the career paths related to their selected area of interest.
3. Propose solutions to problems in the production and/or management of animals or animal products specific to their area of interest.

This certificate program will be open to degree-seeking students at other two- and four-year institutions, UNL undergraduates who are not Animal Science majors and associate degree holders. The primary delivery of this program will be online.

For current UNL students (not Animal Science majors) to be accepted into this undergraduate certificate program a student must have at least one semester of college level biology and one semester of college-level chemistry credit. Courses must meet UNL CASNR transfer guidelines to be accepted. Current students wishing to add this certificate to their Nebraska undergraduate degree program, should contact one of the certificate advisors and complete the application form (forthcoming from the Office of Admissions). Upon verification of completion of the pre-requisite requirements with the appropriate grade, the department will admit them into the certificate program.

Admissions Procedures for students not enrolled at UNL include applying as a visiting student and providing proof of an associate degree or current academic program with completion of introductory biology and chemistry.

Students must complete 18 credit hours of Animal Science from the required and optional courses listed below. At least 10 credit hours must be completed at the 300 level or higher. Students should complete two credits in an experiential learning project (ASCI 395) in order to complete the certificate.

Required or elective courses in the certificate program.	Credit Hours
100- and 200-Level Animal Management and Science Course Choose 2 classes from the following courses: ASCI 100 Fundamentals of Animal Biology & Industry (offered online and in person) ASCI 210 Animal Products (3 credit hours) (offered online and in person) ASCI 213 Meats Specifications & Procurement (3 credit hours) (offered online) ASCI 240 Basic Anatomy & Physiology of Domestic Animals (4 credit hours) (offered in person) ASCI 250 Animal Management (3 credit hours) (offered online and in person) ASCI 251 Companion Animals (3 credit hours) (offered online and in person) ASCI 252 Introduction to Horse Industry (3 credit hours) (offered online and in person) ASCI 271 Companion Animal Behavior (3 credit hours) (offered online and in person)	6-8
8-10 credit hours of ASCI courses at 300/400 level: Choose from any ASCI 300/400 Level Courses Examples of courses offered include (some courses have prerequisites that the student may need to meet before taking the course): ASCI 310 Fresh Meats (3 credit hours) (offered online and in person) ASCI 321 Companion Animal Nutrition (3 credit hours) (offered online) ASCI 322 Equine Nutrition (2 credit hours) (offered online and in person) ASCI 342 Equine Reproduction (2 credit hours) (offered online and in person) ASCI 370 Animal Welfare (3 credit hours) (offered online and in person) ASCI 410 Processed Meats (3 credit hours) (offered online and in person) ASCI 411 HACCP and Food Safety Systems for the Food Industry (3 credit hours) (offered online) ASCI 421 Advanced Animal Nutrition (3 credit hours) (offered online and in person) ASCI 422 Advanced Feeding & Feed Formulation (3 credit hours) (offered online and in person) ASCI 450 Horse Management (3 credit hours) (offered in person, online under development)	8-10
ASCI 395A: Industry Experience, ASCI 395B: Extension Experience, ASCI 395D: Research Experience (offered independent study)	2
Total	18

When students enter the certificate program, they will be assigned an academic advisor based on their animal of interest.

Dr. Lisa Karr (lisa.karr@unl.edu; 402-472-6458) serves as the Animal Science Undergraduate Teaching Coordinator and will serve as the primary contact.

To verify completion of the certificate program, an audit of courses is completed and tracking of completion of the certificate will be done. Students may request an audit of the certificate at any time during the program, but should complete one when they are enrolled in the final courses required to verify the certificate is completed. Forthcoming procedures from the Office of the University Registrar will facilitate verification and generating the certificate.

Students in the certificate program will be monitored for progress towards completion. With students coming from a variety of backgrounds, some may complete courses at a slower rate than a traditional UNL student. A survey of students at the end of their program will be developed and provided to ensure the certificate meets their needs. An additional evaluation to be completed by the student's future supervisors upon receiving employment may also be conducted.

No course subject codes will need to be created, modified, or deleted. Courses will be offered under Course subject code: ASCI.

III. Review Criteria

A. **Centrality to UNL Role and Mission (<https://www.unl.edu/about/role-mission/>)**

As a land-grant university, the University of Nebraska is charged with instruction, research, and outreach in agriculture and mechanic arts, not excluding other scientific or classical areas of study. The Institute of Agriculture and Natural Resources (IANR) was established through Nebraska legislative action for leadership in and service in agriculture, natural resources, and related fields of study. The College of Agricultural Sciences and Natural Resources (CASNR) is home to more than 30 undergraduate degree programs providing instruction, research, and outreach in agriculture, natural sciences, and other related fields. Within CASNR, the Department of Animal Science offers an undergraduate degree and graduate programs at the MS and PhD levels.

Both CASNR and the Department of Animal Science have a long and distinguished history of preparing talented, highly-trained, and motivated professionals that contribute to the continued success of the animal agriculture in Nebraska. The certificate would expand the current credentials offered by the Department of Animal Science to ensure a talented workforce to support animal agriculture in Nebraska.

B. **Relationship of the proposal to the NU Five-Year Strategy**

This proposal relates to the NU Five-Year Strategy in several ways, but particularly to Workforce Development.

One aim of the Five-Year Strategy is to provide accessible, affordable education. The Animal Science Management Certificate is a unique program not offered elsewhere in the state. The certificate program makes the animal science courses accessible to Nebraskans at NCTA and Northeast Community College, as well as other institutions within the state. Tuition at UNL is affordable and the courses are taught by highly rated faculty. The expansion of online and distance programs will make the certificate accessible to more Nebraskans.

The Five-Year Strategy focuses on building a talented, competitive workforce and knowledge-based economy in Nebraska in partnership with the state, private sector, and other educational institutions. This certificate can be used by those currently in the workforce to strengthen their

skills and make them more employable and current in their knowledge of animal agriculture. The certificate can add value to those who have earned veterinary technician associate degrees to allow for them to be more employable within the animal science workforce. The Animal Agriculture Industry is of high importance to the state of Nebraska. This program will emphasize the importance of this industry and provide a workforce. The Animal Science Department already has many partnerships within Animal industries and organizations. This certificate can serve to strengthen those by training their workforce and providing more skilled employees.

C. Consistency with the Comprehensive Statewide Plan for Post-Secondary Education

This program is consistent with the Comprehensive Statewide Plan for Post-Secondary Education in a few ways. The educational program will be more accessible to the entire population of Nebraska through offering an option for completion fully online. This program will allow non-UNL students a means to earn an undergraduate certificate in Animal Science Management. Current animal science programs are only available to UNL students and this packaged program is available to true distance students. This certificate packages the program in a way that will be more accessible to a wider population. By providing coursework online, potential students can enroll in courses and complete them from anywhere with internet connections. This will allow those in more rural parts of the state access to the same high quality educational content as those on campus. It will also allow the faculty of UNL to reach potential students in other areas of the country, which will expand the reach of the program. The curriculum provided will directly improve knowledge and skills of those in the animal agriculture workforce. The certificate is also an economic advantage for those already in the workforce. They can earn an affordable certification while continuing to work.

D. Evidence of Need and Demand

1. Need:

Animals and animal related jobs are vital to Nebraska and the entire U.S. According to the Bureau of Labor Statistics, veterinary and animal science-related jobs are projected to grow 9-12% by 2029. Couple this with the almost 25,000 Nebraska youth enrolled in 4-H Animal Science-related projects (beef cattle, cat, dog, horse, dairy cattle, sheep, and goats) in 2018 and it is clear that the need to educate and train a growing workforce on animal biology and management is vital.

Nebraska is a hub for animal-related industries, highlighted by the \$11.7 billion valuation on livestock, poultry, and their products sold which ranks 4th in the U.S. Nebraska also has a significant equine industry which annually generates over \$700 million for the state's economy and ranks 5th in agriculture revenue generated. It is also a major location for food processing companies including Cargill Meat Solutions, ConAgra Foods, JBS Swift, Greater Omaha Packing Company, and Tyson Foods. Plus, an American Pet Products Association (2019) survey estimates 84.9 million households reported having at least one pet and pet-related expenditures totaled \$75.3 billion. All of these industries together make Nebraska a center for agriculture and with these resources available, the University of Nebraska-Lincoln can leverage its expertise to become a premier location for online Animal Science curriculum. It is critical that this workforce be adequately trained for their future careers. Potential employees may come from a variety of backgrounds and educational majors into animal industry careers. Coupling the Animal Science Management certificate with another major such as economics, business, or biology will increase employability of these students as they enter the workforce. Additionally, those completing a veterinary technician program can benefit from additional training at an advanced level if looking to join the workforce in an animal industry and increase their ability for promotion within their industry.

Based on the market analysis previously completed by NU Online, there are a limited number of programs that advertise a group or program of online courses in Animal Science. Of the most notable ones, Colorado State offers primarily post-bachelors courses and one program offering a veterinary technician program (a 2-year technical veterinary technician degree). Kansas State University offers the program that would provide the most notable competition with a bachelor's degree completion program in Animal Science offered online. Due to the limited number of options available, an animal science management undergraduate certificate from UNL would be competitive in the marketplace, especially offered through distance education.

2. Demand:

The Animal Science Department currently offers an Animal Science minor through online coursework that has been promoted and marketed by NU Online since summer 2017. Interest in the online minor indicates the demand for an online certificate. The online minor is tied to a degree program whereas the proposed animal science management certificate program is a "stand alone" certificate providing more marketability to students and employees in Nebraska at other institutions or those completing an associate degree. The certificate provides additional credentialing to Nebraskans looking to enter or advance in the Animal Industry workforce. According to NU Online, the Animal Science Minor has been the 3rd most inquired program from UNL's Online website. The Animal Science online minor has generated over 300 inquires representing 264 unique potential students. Of those 300 inquires, 85% (255) were nonresident students and 15% (45) Nebraska residents. Also, non-resident states with 10 or more inquiries are CA, IA, MO, WY, OH, NY, TN, and TX. According to market research done by Eduventures, "nationally, undergraduate certificates have experienced strong student demand. The majority of the competition appears to be with community college programs. Regionally, the market is weaker although having online delivery could offer a competitive advantage".

No other college or university in Nebraska offers an Animal Science program. In this way, we could increase the contact with potential students and thus potentially increase student numbers over a short period of time. The goal would be to increase the number of non-UNL students taking online courses in Animal Science while offering an option for resident non-Animal Science majors. We have conservatively budgeted tuition revenue for three students taking three credit hours in Year One, five resident and two non-resident students taking six credit hours each in Year Two, 10 resident and five non-resident students in Year Three, 15 resident and eight non-resident students in Year Four and 20 resident and 10 non-resident students in Year Five. This would result in generating a minimum of \$227,500 in tuition over the five years. The growth in students would be due to advertising and marketing the certificate and its flexibility for completion to other institutions and industry partners and through Nebraska Extension.

E. Avoidance of Unnecessary Duplication

No other college or university in Nebraska offers an Animal Science program. Furthermore, when NU Online reviewed online programs in Animal Science, they could not find evidence of other online undergraduate certificate programs. South Dakota State offers a graduate level certificate in Animal Science, but not one at the undergraduate level. There are some universities that offer online degree completion in Animal Science such as Kansas State University. Many other schools offer some courses online, but not packaged in a way that would result in a certification. As the only Animal Science undergraduate program in Nebraska,

UNL can serve on the cutting edge to provide an advanced online education to the workforce of Nebraska with this undergraduate certificate in Animal Science Management.

F. Adequacy of Resources:

1. Faculty/Staff:

Current faculty and staff in the Department of Animal Science will fulfill the teaching and advising needs of the proposed certificate.

2. Physical Facilities and Equipment

Courses will be taught in-person and online. No new facilities are needed. In addition, the University of Nebraska-Lincoln has the infrastructure and talent to ensure students have access to library resources to support their academic success.

3. Instructional Equipment and Informational Resources:

UNL's current instructional equipment and informational resources are adequate to support the success of students in the program.

4. Budget Projections:

See Table 1: Projected Expenses and Table 2: Revenue Sources for Projected Expenses.

To: Tiffany Heng-Moss
Dean, College of Agricultural Sciences and Natural Resources

From: Larry Gossen
Dean, Nebraska College of Technical Agriculture (NCTA)

Date: February 9, 2021

RE: Animal Science Management Certificate

The Nebraska College of Technical Agriculture (NCTA) supports the Department of Animal Science's proposal to create a new undergraduate certificate in Animal Science Management. The new certificate would expand the current credentials offered by the Department of Animal Science to ensure a talented workforce to support animal agriculture in Nebraska. In addition, for those who have completed a veterinary technician program at an accredited community college such as Nebraska College of Technical Agriculture (NCTA), this certificate can provide an additional credential beyond the associate degree that will likely make them more competitive for employment opportunities within the animal management, production, and health and well-being industry.

Sincerely,



Larry Gossen
Dean
Nebraska College of Technical Agriculture

December 3, 2020

University of Nebraska-Lincoln:

I support the development of an undergraduate Animal Science Management Certificate. This certificate would provide additional training for employees who would enter our workforce with a limited animal science background. By completing the certificate program, our employees could receive additional credentials in Animal Science. With many or all the courses being offered online, the certificate could be completed while continuing to work a full-time position.

I would encourage future employees without an Animal Science background to complete the certificate program to be more prepared for the workforce.

Sincerely yours;

A handwritten signature in black ink, appearing to read "Mark Boggess". The signature is fluid and cursive, with a large initial "M" and "B".

Mark Boggess, Ph.D. Director

University of Nebraska
Lincoln, NE 68583

To whom it may concern:

As we look to the future of our agriculture industry we must be prepared to educate students and workers who have no background in animal science and animal husbandry. With the movement of more workers being removed from the traditional farm background we must make the transition in our education system.

Therefore, I support the development of an undergraduate Animal Science Management Certificate. This certificate would provide additional training for employees who would enter our workforce with a limited animal science background. By completing the certificate program, employees could receive additional credentials in Animal Science. With many or all the courses being offered online, the certificate could be completed while allowing someone to continuing working full-time.

I would encourage future employees without an Animal Science background to complete the certificate program to be more prepared for the workforce.

Nebraska's agriculture business is still one of the most important industries and we need to offer the education needed to continue to develop leaders in our industry. Whether that be through an undergraduate degree or the flexibility of a certificate program outside of a traditional degree program.

Sincerely,

Handwritten signature of Joe C. Gillespie, DVM.

February 9, 2021

Joe C. Gillespie, DVM
Professional Services Veterinarian –
Beef Cattle

3239 Satellite Blvd., Bldg. 500
Duluth, GA 30096
Mobile: (308) 350-3834
[joe.gillespie@boehringer-
ingelheim.com](mailto:joe.gillespie@boehringer-
ingelheim.com)

December 17, 2020

To: University of Nebraska-Lincoln

I would like to show my support for the development of an undergraduate Animal Science Management Certificate. The animal agriculture field is woefully short of people from top to bottom. If the university is willing and able to provide additional training for those who desire to better know the livestock industry it would be a win for both the industry and the university. I have read the guidelines and approve of the direction being presented. As a business I would fully support one of our employees with both tuition assistance and time management to help better their knowledge. Often, we overlook the sheer size and financial obligation of someone, or company involved in agriculture. To better those employees whom we depend upon to carry out what is best for the company is to take another step towards profitability.

Jack Klosterman



H-KO Land & Cattle Inc.

December 6, 2020

University of Nebraska-Lincoln:

As the former Animal Science Department Head, I recognize the need to accurately document the training that student receive. I support the development of an undergraduate Animal Science Management Certificate. This certificate would provide additional training for employees who would enter our workforce with a limited animal science background. By completing the certificate program, our employees could receive additional credentials in Animal Science. With many or all the courses being offered online, the certificate could be completed while continuing to work a full-time position.

I would encourage future employees without an Animal Science background to complete the certificate program to be more prepared for the workforce

Sincerely,

Larry L. Berger, Professor emeritus

Head, Department of Animal Science

12-7-2020

University of Nebraska-Lincoln:

I support the development of an undergraduate Animal Science Management Certificate. This certificate would provide additional training for employees who would enter our workforce with a limited animal science background. By completing the certificate program, our employees could receive additional credentials in Animal Science. With many or all the courses being offered online, the certificate could be completed while continuing to work a full-time position.

I would encourage future employees without an Animal Science background to complete the certificate program to be more prepared for the workforce.

Sincerely,

Russell J. Vering

Russell J. Vering
Central Plains Milling LLC
PO Box 396
Howells, NE 68641
402-719-1499
russv@cpmfeed.com



"Working for Nebraska beef producers - pasture to plate"

February 22, 2021

University of Nebraska-Lincoln:

We support the development of an undergraduate Animal Science Management Certificate. This certificate would provide additional training for employees who would enter our workforce with a limited animal science background. By completing the certificate program, our employees could receive additional credentials in Animal Science. With many or all the courses being offered online, the certificate could be completed while continuing to work a full-time position. A larger workforce pool with animal science understanding is needed.

Future employees without an Animal Science background who have completed the certificate program will be more prepared for the workforce among our membership.

Sincerely,

Pete McClymont
Nebraska Cattlemen
Executive Vice President & Treasurer
4611 Cattle Drive
Lincoln NE 68521-4039
pmcclymont@necattlemen.org
(402) 475-2333 Office
(308) 991-8844 Mobile

**TABLE 1: PROJECTED EXPENSES - NEW INSTRUCTIONAL PROGRAM
UNL Animal Science Management Undergraduate Certificate**

	(FY2021-22) Year 1		(FY2022-23) Year 2		(FY2023-24) Year 3		(FY2024-25) Year 4		(FY2025-26) Year 5		Total
	FTE	Cost	FTE	Cost	FTE	Cost	FTE	Cost	FTE	Cost	Cost
Personnel											
Faculty											
Professional											
Graduate Assistants											
Support Staff											
Benefits											
Subtotal											\$0
Operating											
Operating and Supplies											
Equipment											
Library/Information Resources											
Subtotal											\$0
Total Expenses		\$0		\$0		\$0		\$0		\$0	\$0

**TABLE 2: PROJECTED REVENUES - NEW INSTRUCTIONAL PROGRAM
UNL Animal Science Management Undergraduate Certificate**

	(FY2021-22) Year 1	(FY2022-23) Year 2	(FY2023-24) Year 3	(FY2024-25) Year 4	(FY2025-26) Year 5	Total
	Reallocation of Existing Funds					
Required New Public Funds						
1. State Funds						
2. Local Tax Funds (community colleges)						
Tuition and Fees ¹	\$2,331	\$17,730	\$40,440	\$63,150	\$80,880	\$204,531
Other Funding						
Total Revenue	\$2,331	\$17,730	\$40,440	\$63,150	\$80,880	\$204,531

¹ Tuition only, calculated using the enrollment estimates below.

- Year 1 3 resident students at 3 credit hours each
- Year 2 5 resident, 2 nonresident students at 6 credit hours each
- Year 3 10 resident, 5 nonresident students at 6 credit hours each
- Year 4 15 resident, 8 nonresident students at 6 credit hours each
- Year 5 20 resident, 10 nonresident students at 6 credit hours each