



UNIVERSITY OF SASKATCHEWAN

College of Agriculture  
and Bioresources

DEPARTMENT OF ANIMAL AND POULTRY SCIENCE  
AGBIO.USASK.CA



PRAIRIE  
SWINE  
CENTRE

## MSc in SWINE NUTRITION (Precision Feeding)

The Prairie Swine Centre, Department of Animal and Poultry Science at the University of Saskatchewan is seeking passionate, bright, and highly motivated individuals interested in a fully-funded position as an MSc graduate student in the disciplines of swine nutrition – precision feeding. The successful candidates will join a strong, multidisciplinary academic and research team with expertise in non-ruminant nutrition, feed processing, management, welfare, metabolism, and physiology. The anticipated start date is January or May 2025.

The successful candidate will lead and assist with projects involving both classical swine nutrition (e.g., growth performance, nutrient utilization) and advanced (e.g., immune status, nutrient modeling) techniques. Our current nutrition research program is focused on the impact of early-life nutrition on growth, impact of nutrition on health, and factors affecting nutrient requirements and utilization. The successful candidate's research program will focus on:

### *Application of precision feeding techniques using blend-feeding technology*

**Qualifications:** The desire and ability to lead research projects and work within a team of other highly motivated individuals are of critical importance to this position.

All applicants will be required to meet criteria for acceptance as a graduate student at the University of Saskatchewan as outlined by the College of Graduate and Postdoctoral Studies. *It is the applicant's responsibility to ensure that they meet the minimum requirements before applying.*

A vehicle and driver's licence is required.

Candidates must hold, or will have completed, a BSc in a related discipline such as animal science, animal physiology, nutrition, or veterinary science. Previous experience with livestock, especially swine, and knowledge of nutrition, nutrient utilization, and feed formulation will be considered an asset.

Information on graduate studies in the Department of Animal and Poultry Science, including stipend levels, can be found at <https://agbio.usask.ca/students/graduate/ansc-handbook-2021.pdf>

Prairie Swine Centre ([www.prairieswine.com](http://www.prairieswine.com)) is a non-profit swine production research corporation affiliated with the University of Saskatchewan and located 10 km southeast of Saskatoon,

Saskatchewan. It offers nationally and internationally recognized research programs in nutrition, ethology, and engineering with knowledge transfer and education directed towards the efficiency and sustainability of pork production.

The University of Saskatchewan ([www.usask.ca](http://www.usask.ca)) is located in Saskatoon, a city with a diverse and thriving economic base, a vibrant arts community and a full range of leisure opportunities. The Department of Animal and Poultry Science is well-recognized nationally and internationally as a research-intensive department. The department's highly-trained and enthusiastic faculty members and adjunct professors have extensive, high-quality applied and basic research programs that cover a wide range of topics in animal science and related areas.

The Prairie Swine Centre and University of Saskatchewan believe equity, diversity, and inclusion strengthen the community and enhance excellence, innovation and creativity. We are dedicated to recruiting individuals who will enrich our work and learning environments. Due to the nature of the funding for this project, **only Canadian citizens and permanent residents will be considered**. We are committed to providing accommodations to those with a disability or medical necessity. If you require an accommodation in order to participate in the recruitment process, please notify us and we will work together on the accommodation request.

For more information or to apply please contact Dr. Dan Columbus. Interested candidates are asked to include in their application package a cover letter including their career interests, their curriculum vitae, and copies of transcripts. Screening of candidates will continue until the positions are filled. ***Only those applicants selected for an interview will be contacted.***

Dr. Dan Columbus  
Email: [dan.columbus@usask.ca](mailto:dan.columbus@usask.ca)