



Agriculture and Food Production Diploma Program

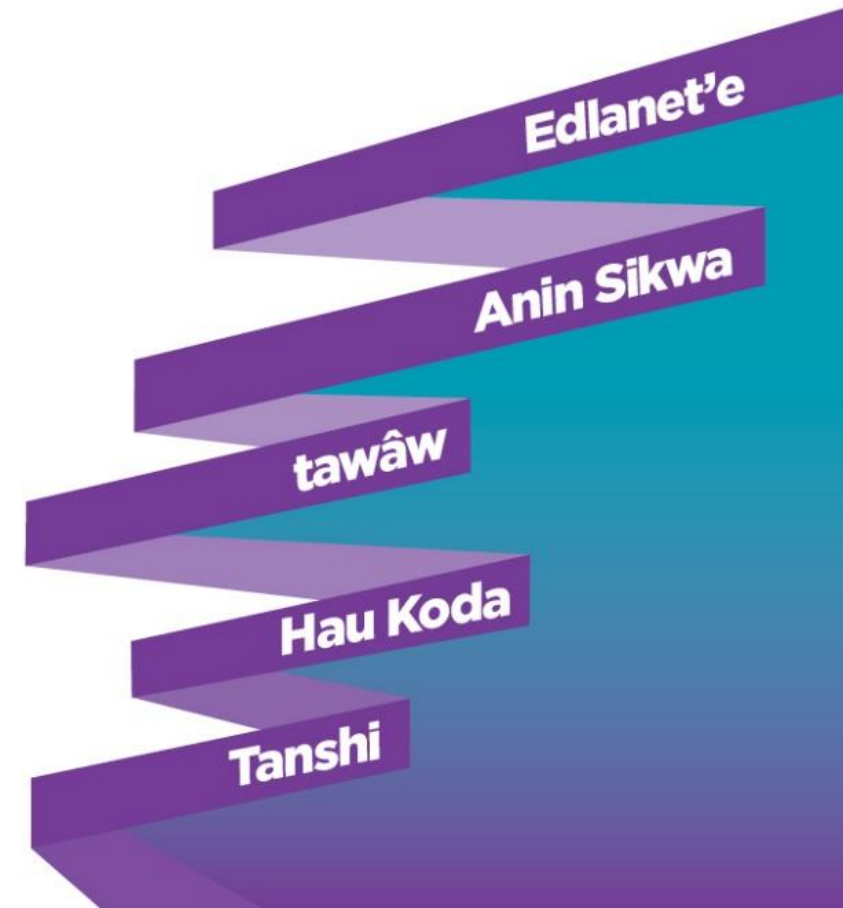
Moose Jaw Campus

Fall 2022



Sask Polytech land acknowledgement

Saskatchewan Polytechnic is situated on Treaty 4 and Treaty 6 Territory, the ancestral lands of the Cree, Saulteaux, Dene, Dakota, Lakota and Nakoda peoples and the traditional homeland of the Métis.



Agriculture and Food Production diploma

- **Admission Requirements**
 - Grade 12 with any 30-level math
 - English Language Requirement
- **Admission Method**
 - First Qualified/First Admitted
 - 30 seats (incl. 6 international)
- **Co-op program with 3 co-op (paid) work terms**
- **Moose Jaw campus**



What to expect

- You will participate in lectures, labs and project work at Moose Jaw campus
 - Classes and labs take 24–25 hours per week, depending upon the semester
 - Expect to spend the same amount of time on homework and self-directed study
 - Effectively managing your work time is important to your success
- New agronomy lab with analytical equipment; part of Moose Jaw campus renovations
- Off-campus site for field test plots, access to agricultural equipment
- Applied research opportunities



Co-op advantage

Three co-operative education work terms integrated into the program

Earn while you learn

Learn soft skills in the job interview process

Hands-on skills during the work term

Many co-op employers require both a valid Saskatchewan Driver's License and a clean Driver's Abstract

For international students: up to 12 months to obtain a Driver's license



Curriculum Year 1

Semester 1 (Fall)	
AGMC 100	Agricultural Machinery 1
AGRI 101	Introduction to Agribusiness
CHEM 102	General Chemistry 1
COM 170	Professional Workplace Communication
GIS 101	Geographic Information Systems 1
GPS 100	Basics of GPS
HIST 100	History of Agriculture in Western Canada
MATH 114	Mathematics
SAFE 105	Safety Systems
	25 hrs/week of classes & labs

Semester 2 (Winter)	
AGRI 103	Agronomy
AGMC 101	Precision Agriculture 1
AGRI 100	Agricultural Business Applications
AGRI 105	Principles of Crop Production
AGRI 106	Weed Management
AGRI 102	Agricultural Entomology
CLTR 200	Culture and Diversity
ETHC 100	Professional Ethics
MKTG 101	Commodity Marketing 1
	25 hrs/wk of classes and labs

Co-op Work Term 1

May - August

Curriculum Year 2

Semester 3 (Fall)	
AGMC 205	Harvesting, Hay and Forage Machinery
AGRI 200	Sustainable Agriculture
SOIL 200	Soil and Crop Nutrition
IRRI 200	Irrigation
APIC 300	Apiculture
ANLT 200	Food Security
PEST 200	Pesticide Management
WTER 200	Water Management
	24 hrs/wk in classes & labs

Semester 4 (Winter)	
AGMC 204	Agricultural Machinery 2
AGMC 205	Precision Agriculture 2
ECON 200	Introduction to Agricultural Economics
AGRI 104	Agricultural Business Planning
IOT TBA	Internet of Things: Applications in Agriculture
MKTG 204	Commodity Marketing 2
RLAW 105	Indigenous Resource Rights
ANIM TBA	Beef Cattle Production
AGRI TBA	Rangeland Management
	25 hrs/wk in classes & labs

Co-op Work Term 2

May - August

Co-op Work Term 3

September - December

Curriculum Year 3

Semester 5 (Winter)	
AGRI 301	Grain Handling, Storage and Conveyance
AGRI 302	Post-harvest Food Production
ANLT 301	Globalization
CLIM 200	Meteorology
BLAW 281	Business Law
AGRI 300	Agricultural Intelligence
LEAD 301	Innovation and Leadership
PROJ 206	Capstone Project
TCOM 103	Technical Communication
	25 hrs/wk in classes & labs

Job prospects/labour demand

- Number of jobs that cannot be filled with available agricultural labour resources is forecasted to rise to approximately 12,300 by 2029
- Percentage of jobs at risk of not being filled will rise to 30%
- By 2029, there will be an additional 3,800 jobs as Managers in agriculture positions (NOC 0821)
- Industry feedback: grads of current post-secondary agricultural programs not meeting industry needs



Agricultural careers

Agricultural input sales

Agricultural lending advisor, analyst

Agricultural research assistant, technician

Agricultural small business advisor

Crop input specialist

Farmer operator, supervisor, manager

Food processing, packaging

GPS technician, agriculture

Grain handling assistant, facility assistant

Grain marketing specialist

Precision technology specialist

Rangeland assistant



Blake Weiseth, Sask Polytech Applied Research Chair

Contact information



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