



# EXPECT

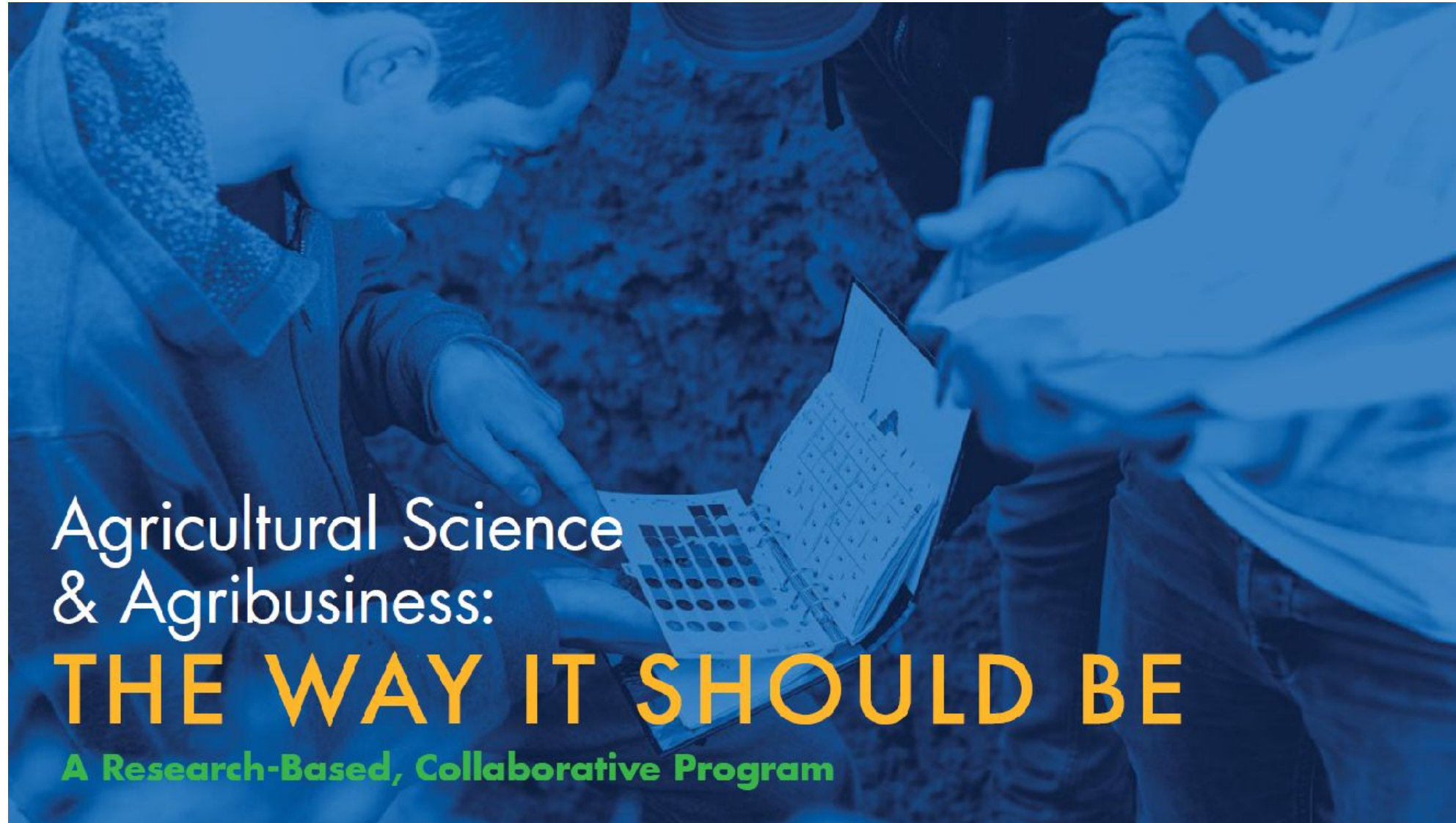
an education that defies expectation.

## **UMPI Agricultural Science & Agribusiness, B.S.**

Jason Johnston

Dean, College of Arts and Sciences  
Associate Professor of Wildlife Ecology  
University of Maine – Presque Isle

# New Bachelor's program launched in 2018

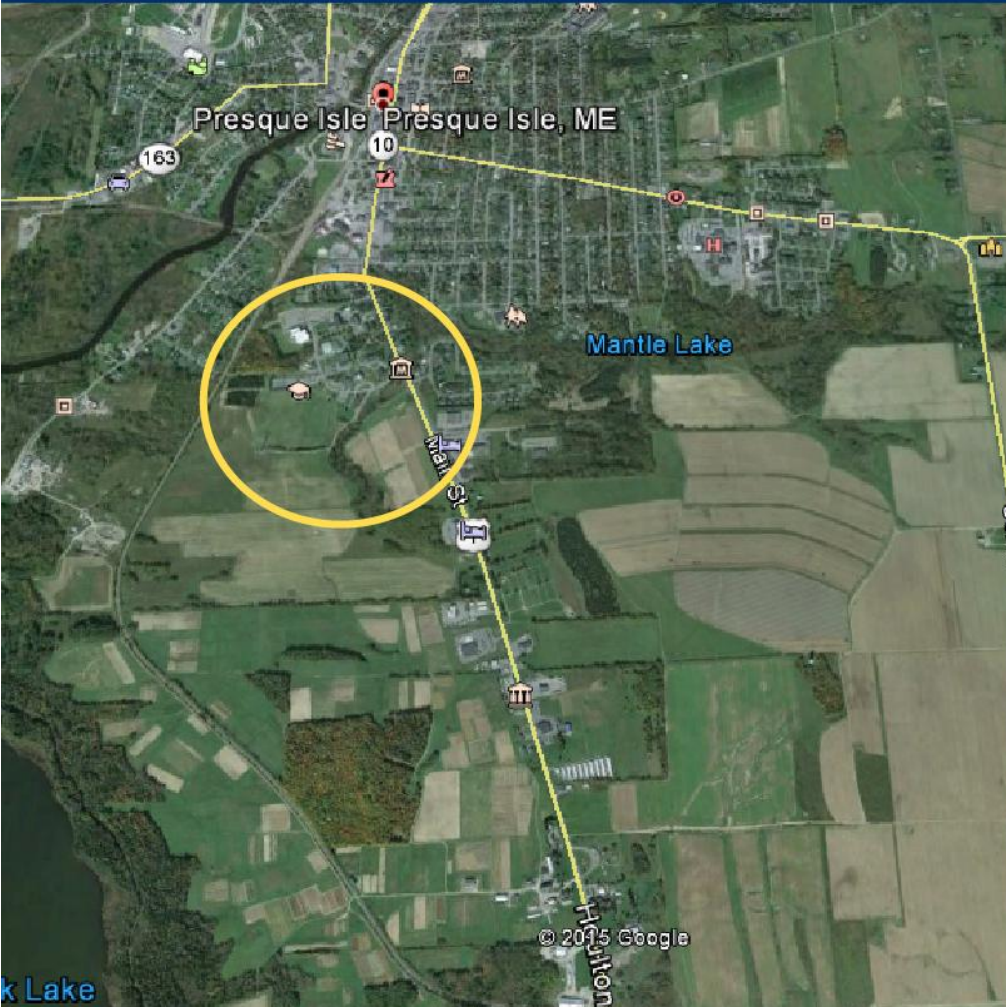


Agricultural Science  
& Agribusiness:

**THE WAY IT SHOULD BE**

**A Research-Based, Collaborative Program**





The UMPI Agricultural Science program serves students and working professionals by educating them in current agricultural practices as well as to support development and adoption of research-based approaches to improve agricultural practices, in collaboration with regional agribusinesses and institutions.

### Course Areas

- Core Sciences: Biology, Chemistry, Soil Sciences
- Agricultural Sciences
- Agribusiness
- Hands-on Learning Experiences

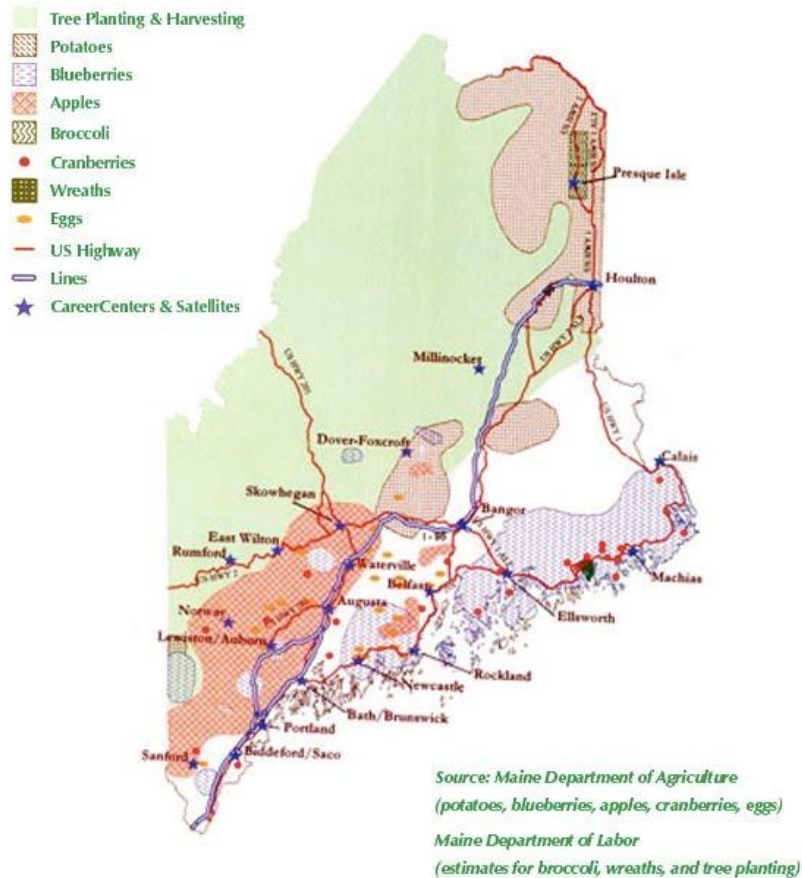
THE WAY IT SHOULD BE



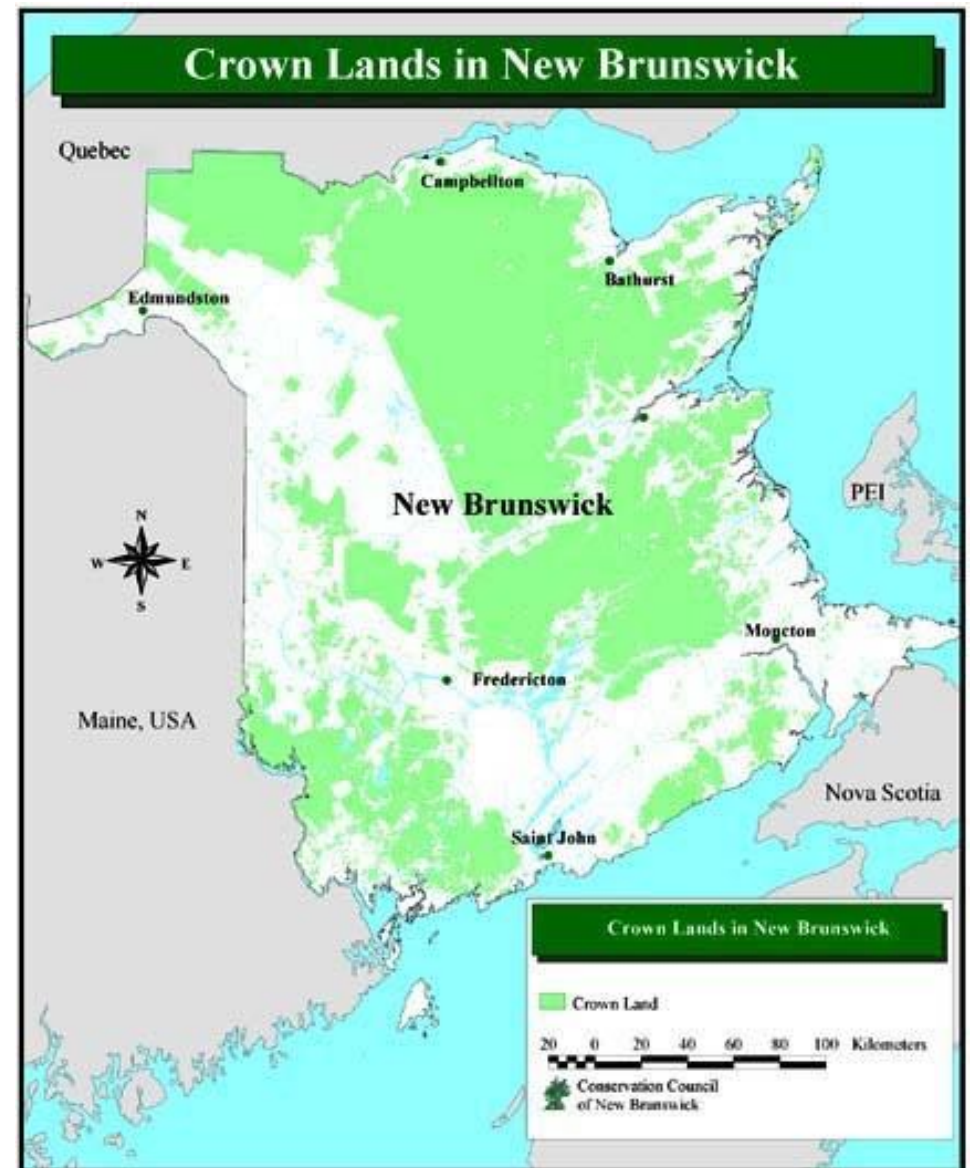
University of Maine at  
**PRESQUE ISLE**  
*North of Ordinary*



## Major Crop Growing Areas



Maine Department of Labor  
Division of Migrant & Immigrant Services  
Map Prepared by Center for Workforce Research and Information



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# FFA State Convention held in Presque Isle for first time in 2022 and 2023

## Maine Future Farmers of America Meet for First In-Person State Convention in Two Years



By [Corey Bouchard](#)

Published: May. 13, 2022 at 10:54 AM EDT

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# US News and World Report

- 20 Top Public Schools in the North
- top 10 Regional Colleges in the North for graduates with least debt
- top 30 Regional Colleges in the North for Social Mobility



# Other financial advantages

- Graduates of community college system may receive a 'Level Up' award of 35% off tuition
- Students at Caribou and PI tech. programs can earn early college credit for their agriculture program

## **New as of 2022:**

- Canadian students pay in-state tuition

## CORE COURSES – 53 CREDIT HOURS

Bio 112 General Biology I	4
Bio 113 General Biology II	4
Bio 240 Animal Science	4
Bio 309 Plant Biology	4
Chy 111 General Chemistry I	4
Env 210 Soil Science	4
Env 220 Integrated Pest Management	3
Env 308 GIS I: Fundamentals of GIS	4
Bus 107 Introduction to Business and Economics	3
Agr 101 Introduction to Agricultural Sciences	3
Agr 250 Food and Agribusiness Management	3
Agr 260 Agricultural Technology, Operations and Safety	3
Agr 310 Plant and Crop Sciences	4
Agr 320 Precision Agriculture	3
Agr 350 Food and Agricultural Marketing	3



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## Mathematics - 3 Credit Hours Minimum

*Select ONE course:*

\*Course also meets GEC 3a, b

Course Name	credits
MAT 140 - Mathematics for Business *	3 credits
MAT 201 - Probability and Statistics I *	3 credits

## Current Topics - 3 Credit Hours Minimum

Course Name	credits
AGR 290 - Special Topics in Agricultural Sciences	3 credits
AGR 295 - Special Topics in Agribusiness	3 credits

## Program Electives - 3-4 Credits

Course Name	credits
AGR 330 - Soil Fertility	4 credits
AGR 360 - Management Science of Farm & Agribusiness Enterprises	3 credits

## Practical Learning Experience - 3-4 Credits

Course Name	credits
ENV 408 - GIS II Applications and Advanced Spatial Analysis	4 credits
AGR 495 - Agriculture Internship	3 credits



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# Faculty

- Bee Chim, Precision Agriculture
- Larry Feinstein, Soil Microbiology and Plant Biology
- Chunzeng Wang, GIS/Drones & Geology
- Judith Roe, Plant Biology & Genetics
- Noah Winslow, Agribusiness Management and Marketing
- Dr. Robert Vinton Akeley Chair - Agricultural Science & Agribusiness – first interviews in January, 2023



ENDOWED CHAIR

DEBORAH ROARK, Ed.D, MBA  
EXECUTIVE DIRECTOR FOR UNIVERSITY ADVANCEMENT & EXTERNAL AFFAIRS



**DR. ROBERT VINTON AKELEY**  
*Chair for Agricultural Science and Agribusiness*

THE WAY IT SHOULD BE



# Educational Resources

- Research and teaching labs with variety of DNA, microbiological, soil science, GIS and other equipment and technologies
- Agricultural land (60 acres on campus)
- 30 'X 80' 4-season greenhouse
- Collaborations locally & statewide: UMaine Cooperative Extension, Aroostook Farm, ME Potato Board, Maine Sustainable Agriculture Society, FFA programs

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# Drones capable of agricultural field work (multispectral imaging)



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Internships, hands-on experiences, research are core to our program

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# Meeting food insecurity through a community garden and greenhouse production



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# First Graduates from B.S. program, 2022



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University of Maine at  
**PRESQUE ISLE**

**an education tailored  
to your interests**

Growing up on his family farm, Cody Theriault '19 knew what he wanted: to become the next—and fourth—generation to farm the land.

**What he didn't expect was how relevant the coursework would be to his career.**

He did research with the Maine Potato Board on bacterial disease in potato storage because his professor knew his personal story.

**“At UMPI you can shape your education to match your interests, because the professors take the time to know you. That leads to specific opportunities.”**

Cody Theriault '19

**An  
education  
that defies  
expectation.**

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(207) 768-9532 ★ [umpi-admissions@maine.edu](mailto:umpi-admissions@maine.edu)

**UMPI.EDU**

One of Maine's Public Universities

The University of Maine at Presque Isle is an equal opportunity/affirmative action institution.





Train students in  
theory, lab,  
greenhouse & field



Educate traditional  
students & others



Support existing &  
new agricultural  
sectors



Collaborate with  
industry, UMaine,  
others



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Please contact me with any questions, ideas,  
and potential collaborations!

[Jason.Johnston@maine.edu](mailto:Jason.Johnston@maine.edu); 768-9652

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