AGROECOLOGY
the study of managed ecosystems and the application of ecological practices to achieve economically and environmentally sustainable agriculture production
ABOUT THE PROGRAM

Students will learn how agricultural and natural ecosystems function by looking at the relationships between humans, plants, and animals, as well as the environment in which they live. With a growing population and a changing climate, finding sustainable ways to maintain and increase agricultural yields is imperative.

This program can set students up for a successful career as an Agrologist, which is a regulated profession in Canada. Agrologists provide decision-makers with advice to help feed the world, boost the economy, and protect the environment. Students graduating from the Agroecology program meet education requirements for registration and licensure with Agrologists Manitoba leading to the Professional Agrologist (P.Ag.) designation.

WHERE IT CAN TAKE YOU

Professional Agrologist
Integrated Crop Agronomy
Field Biology
Water Conservation Research
Resource Management
Conversation Land Stewardship
Sustainable Development
Integrate Watershed Management Planning
COURSE HIGHLIGHTS

Principles of Ecology
Introduction to Agrifood Systems
Biological Diversity and Interactions
Introduction to Agrometeorology
Community Ecology
Environmental Economics
Soils and Landscapes in our Environment
Organic Crop Production on the Prairies
Pesticides: Environment, Economics and Ethics

DID YOU KNOW?

Get Out in the Field - Our professors take their students on field trips to see integrated crop and animal systems within agriculture that consider the interconnection of systems.

Become a Professional - The Faculty works closely with Manitoba Institute of Agrologists to immerse our students in the industry. Agrologists who provide advisory services in agriculture are recognized under a national professional model.

Further Your Connections - Our students connect in class with employers like Ducks Unlimited, National Conservancy of Canada and governmental sustainable development offices.
Want a Campus Tour?
aginfo@umanitoba.ca

Program Questions?
agfood.ambassador@umanitoba.ca

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