

It's not ALL about farming.



UNIVERSITY
OF MANITOBA

Degree and Diploma Programs in the FACULTY OF AGRICULTURAL AND FOOD SCIENCES

Our Programs

When you pursue a diploma or degree in Agricultural and Food Sciences, you are choosing a future that is dynamic and exciting. Over two million Canadians are involved in the agri-food industry, from producers to food processors, financial officers to research scientists plus many more rewarding careers.

Diploma in Agriculture (2 years)

The Diploma in Agriculture program offers a practical education for those interested in operating a farm or working in an agricultural business. Although many diploma graduates return to family farms after graduating, an increasing number of graduates can be found working for agribusiness, financial institutions or the government.

There are four program options to choose from:

- Business Management
- Crop Management
- Livestock Management
- General Agriculture

Bachelor of Science Degree (4 years)

There are four programs in the B.Sc. Program:

- Agriculture (3 options: Animal Systems, Agronomy, Plant Biotechnology)
- Agribusiness (3 options: Agribusiness, Agricultural Economics, International Agribusiness)
- Agroecology
- Food Science

Students will receive a solid foundation in biological, social and physical sciences, preparing them for professional careers in the agri-food industry or to continue with graduate studies. The first year of the degree program is completed in the University 1 program.

Related Programs

The Faculty also offers a two-year Pre-Veterinary Studies program to prepare students for veterinary programs offered at other universities.

Offered through the Faculty of Engineering, the four-year Biosystems Engineering program emphasizes the application of engineering principles to biologically based systems.

Through the Cooperative Education Program, students have the opportunity to get a real-life work experience with a company while gaining credit towards their degree or diploma and earning a salary.

Admission information

To enter the degree program, high school students must have Chemistry 40S (not required for Agribusiness), Biology 40S and Math 40S (Pre-Calculus). They must also complete a minimum of 24 credits hours (with a minimum cumulative grade point average of 2.00) in the University 1 program. Physics 40S is required for the Pre-Veterinary program.

In the diploma program, students enter directly from high school with Senior 4 English, Mathematics, and a Science. Students without high school standing may be admitted upon the recommendation of the Diploma Selection Committee.

Contact information

For more information contact us at:

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Curt - Biotechnologist

Charlene - Financial Account Manager

Denis - Production Manager

Grace - Veterinarian



Visit us on the web at:
www.umanitoba.ca/afs

Just a few of the many careers available to graduates of the Faculty of Agricultural and Food Sciences.

CAREERS AND WORK EXPERIENCE

Students in the Faculty of Agricultural and Food Sciences' degree and diploma programs can choose from a wide range of exciting and challenging summer jobs and careers after graduation. The broad scope of the agriculture industry affords students the opportunity to work in various jobs related to marketing, sales, finance, management, research, product development, crop and livestock production and communication.

SUMMER JOBS

Summer employment in agriculture and food science is almost guaranteed for students beginning in the first year of their studies. Grain companies, crop input companies, crop and livestock consultants, and food processing firms offer a wide range of work experience during the summer. Many jobs involve travel throughout Manitoba and western Canada.

COOPERATIVE EDUCATION

Through the Cooperative Education Program, students have the opportunity to get a real-life work experience with a company while gaining credit towards their degree or diploma and earning a salary. Employment options are numerous and varied in areas such as production agriculture, research, finance and government.

CAREERS AFTER GRADUATION

Here are a few examples of careers open to agriculture graduates:

Bachelor of Science (Agriculture)

Crop production specialist
Horticulturist
Customer sales representative
Crop protection specialist
Seed production specialist
Research technician
Extension specialist
Marketing representative
Animal nutritionist
Livestock specialist
Farm manager
Entomologist
Communications specialist
Nutrition sales/service representative
Feed mill operator/feed formulator
Integrated livestock operation manager
Genetic technicians

Bachelor of Science (Agribusiness)

Investment and financial planning consultant
Banker
Environmental consultant
Management consultant
Market researcher
Policy analyst
Financial services specialist
Sales representative
Market analyst/trader

Bachelor of Science (Agroecology)

Environmental policy analyst
Soil conservationist
Wildlife manager
Land manager
Environmental consultant
Entomologist
Crop specialist
Research technician

Bachelor of Science (Food Science)

Food technologist
Food safety inspector
Food development specialist
Food chemist
Quality assurance technician
Food ingredient specialist
HACCP program developer
Food regulation developer and evaluator

Diploma in Agriculture

Farm owner or manager
Agricultural lending officer
Account manager
Machinery service representative
Crop scout
Crop input specialist
Agricultural sales representative
Barn manager
Feed sales specialist
Farm writer