

# FACULTY OF AGRICULTURAL AND FOOD SCIENCES/SCHOOL OF AGRICULTURE

## General Office

**Dean:** Martin Scanlon

**Associate Dean(s):** Jitendra Paliwal (Graduate Programs and Academic), Nazim Cicek (Research);

**Program Director:** School of Agriculture: Sue Clayton

**Campus Address/General Office:** 256 Agriculture Building

**Telephone:** (204) 474-6026

**Email Address:**

General: [agfoodsci@umanitoba.ca](mailto:agfoodsci@umanitoba.ca)

Undergraduate Program Inquiries: [aginfo@umanitoba.ca](mailto:aginfo@umanitoba.ca)

**Website:** [umanitoba.ca/afs/](http://umanitoba.ca/afs/) (<https://umanitoba.ca/afs/>)

**Academic Staff:** Please refer to the Faculty of Agricultural and Food Sciences website at [umanitoba.ca/afs](http://umanitoba.ca/afs/) (<https://umanitoba.ca/afs/>)

**Student Services Office:** 160 Agriculture Building

**Telephone:** 204 474 9295

## Faculty Overview

The Faculty of Agricultural and Food Sciences has earned a reputation for its high-calibre teaching programs and its friendly, helpful staff. Students benefit not only from the expertise of staff in the Faculty, but also from the close proximity of other faculties on campus, federal research facilities, and a vibrant Winnipeg-based agricultural community.

Information on the Faculty's History, Vision and Mission Statements, Research, Programs, Centres, and Departments can be found on our website at: [umanitoba.ca/afs](http://umanitoba.ca/afs/) (<https://umanitoba.ca/afs/>).

## Degree Programs

The B.Sc. degree programs in Agricultural and Food Sciences provide an applied science background for graduates to enter a range of professions. Students can choose degree specializations in Agribusiness, Agriculture (Agronomy, Animal Systems or Plant Biotechnology), Agroecology, Food Science or Human Nutritional Sciences. The faculty also offers a two-year pre-veterinary program for students who plan to pursue a Doctor of Veterinary Medicine degree. One of the focuses of the Faculty is upon the agricultural industry with professions dedicated to the production, processing and marketing of food and bioresources. Additionally, the agriculture based B.Sc. degree prepares students to tackle a range of career opportunities that extend into other sectors of the economy. Professional agriculturists hold positions in extension, resource management and conservation, teaching, research and business; professional food science graduates find employment in similar positions related to food manufacturing and processing; and professional human nutritional sciences graduates enjoy exciting careers in dietetics, institutional administration, government and community programs, the non-profit sector, the food industry, education, and research. Graduates from the Faculty make important contributions to the economy and health of Manitoba, Canada, and the world.

## Diploma in Agriculture Program

The two-year Agriculture Diploma program offers a practical education for students interested in operating a farm or working in the agrifood industry. Although many diploma graduates return to family farms after

graduating, an increasing number can be found working for farm supply companies, feed companies, financial institutions and grain handling companies, as well as doing technical work for various government agencies.

The Agriculture Diploma program covers a wide range of agricultural subjects, from production through to marketing and business management. Communication and leadership skills also receive considerable emphasis. The program includes a number of engaging assignments as well as a major project that relates directly to the student's individual farm or business interests.

Classes begin in mid September and exams end in early April to accommodate students with obligations to plant and harvest crops. The program is also designed for those who plan to transfer credits earned from the Agriculture Diploma program to some of the Faculty of Agricultural and Food Sciences' degree programs.

## Professional Designations

### Agrologists Manitoba (Manitoba Institute of Agrologists)

Graduates of the B.Sc. (Agriculture), B.Sc. (Agribusiness), B.Sc. (Agroecology) and B.Sc. (Food Science) degrees meet the entry to practice education requirement and are eligible to become Professional Agrologists (P.Ag.). Graduates of the Agriculture Diploma program meet education eligibility requirements to become Technical Agrologists (Tech.Ag.). Agrologists are regulated professionals who have highly specialized knowledge about agriculture and food production and natural resource management. They provide decision makers with advice to help feed the world, boost the economy, and protect the environment. Graduates from the Faculty's professional programs who are working and practicing agrology in Manitoba require registration with and a licence from Agrologists Manitoba. Students/prospective students should contact Agrologists Manitoba (<https://agrologistsmanitoba.ca/>) directly for more information on the practice of agrology in Manitoba.

### Canadian Institute of Food Science and Technology (CIFST)

B.Sc. (Food Science) graduates are eligible to become members of CIFST, a professional society associated with the manufacturing, processing and packaging of food.

### Registered Dietitian (RD)

If eligible, students from the B.Sc. (Human Nutritional Sciences) in the Partnership for Dietetic Education and Practice (PDEP) accredited undergraduate degree with dietetics courses as stipulated, may apply for PDEP accredited post-degree Practicum Programs and/or Masters Practicum Programs to become a Registered Dietitian. Upon completion of an accredited undergraduate degree and practicum program, graduates may apply to write the Canadian Dietetic Registration Exam (CDRE) and register with a provincial regulating body such as the College of Dietitians of Manitoba (CDM).

## Minors offered by the Faculty of Agricultural and Food Sciences

As part of the electives portion of their programs, students may declare and complete a Minor from departments or interdisciplinary programs in which a Minor is offered. Completion of a Minor is optional. Information about Minors in faculties other than Agricultural and Food Sciences is

found in the appropriate departmental/school/faculty program offerings in the Undergraduate Calendar.

Students may not declare both their Major and Minor from the same department/interdisciplinary program. It should be noted that planning for completion of a Minor should be done early in the program, ideally before 60 credit hours. Completion of a Minor may require that a student take more than the minimum number of credit hours for graduation.

A Management Minor is offered by the Asper School of Business (<https://catalog.umanitoba.ca/undergraduate-studies/management-business/#facultyacademicregulationstext>); Agriculture, Agroecology, Food Science and Human Nutritional Sciences students may complete this minor (not available to Agribusiness students). The Minor consists of 18 credit hours of courses offered by the Asper School of Business (Faculty of Management).

Agronomy (<https://catalog.umanitoba.ca/undergraduate-studies/agricultural-food-sciences-agriculture/agronomy-minor/>)

Animal Systems (<https://catalog.umanitoba.ca/undergraduate-studies/agricultural-food-sciences-agriculture/animal-systems-minor/>)

Crop Protection (<https://catalog.umanitoba.ca/undergraduate-studies/agricultural-food-sciences-agriculture/crop-protection-minor/>)

Entomology (<https://catalog.umanitoba.ca/undergraduate-studies/agricultural-food-sciences-agriculture/entomology-minor/>)

Food Science (<https://catalog.umanitoba.ca/undergraduate-studies/agricultural-food-sciences-agriculture/food-science-minor/>)

Plant Biotechnology (<https://catalog.umanitoba.ca/undergraduate-studies/agricultural-food-sciences-agriculture/plant-biotechnology-minor/>)

Soil Science (<https://catalog.umanitoba.ca/undergraduate-studies/agricultural-food-sciences-agriculture/soil-science-minor/>)

Human Nutrition and Metabolism (<https://catalog.umanitoba.ca/undergraduate-studies/agricultural-food-sciences-agriculture/human-nutrition-metabolism-minor/>)

## Programs

Minors (optional or required) are part of degree programs - for program length, refer to the Years to Completion.

Degree/Diploma	Years to Completion	Total Credit Hours	Has Co-op Option
Agribusiness, B.Sc. ( <a href="https://catalog.umanitoba.ca/undergraduate-studies/agricultural-food-sciences-agriculture/agribusiness-bsc/">https://catalog.umanitoba.ca/undergraduate-studies/agricultural-food-sciences-agriculture/agribusiness-bsc/</a> )	4	120	Yes
Agroecology, B.Sc. ( <a href="https://catalog.umanitoba.ca/undergraduate-studies/agricultural-food-sciences-agriculture/agroecology-bsc-agriculture/">https://catalog.umanitoba.ca/undergraduate-studies/agricultural-food-sciences-agriculture/agroecology-bsc-agriculture/</a> )	4	120	Yes
Agronomy, B.Sc. - Agriculture ( <a href="https://catalog.umanitoba.ca/undergraduate-studies/agricultural-food-sciences-agriculture/agronomy-bsc-agriculture/">https://catalog.umanitoba.ca/undergraduate-studies/agricultural-food-sciences-agriculture/agronomy-bsc-agriculture/</a> )	4	120	Yes
Agronomy Minor ( <a href="https://catalog.umanitoba.ca/undergraduate-studies/agricultural-food-sciences-agriculture/agronomy-minor/">https://catalog.umanitoba.ca/undergraduate-studies/agricultural-food-sciences-agriculture/agronomy-minor/</a> )		18	
Animal Systems, B.Sc. - Agriculture ( <a href="https://catalog.umanitoba.ca/undergraduate-studies/agricultural-food-sciences-agriculture/animal-systems-bsc-agriculture/">https://catalog.umanitoba.ca/undergraduate-studies/agricultural-food-sciences-agriculture/animal-systems-bsc-agriculture/</a> )	4	120	Yes
Animal Systems Minor ( <a href="https://catalog.umanitoba.ca/undergraduate-studies/agricultural-food-sciences-agriculture/animal-systems-minor/">https://catalog.umanitoba.ca/undergraduate-studies/agricultural-food-sciences-agriculture/animal-systems-minor/</a> )		18	

Business Management, Agriculture Diploma ( <a href="https://catalog.umanitoba.ca/undergraduate-studies/agricultural-food-sciences-agriculture/business-management-agriculture-diploma/">https://catalog.umanitoba.ca/undergraduate-studies/agricultural-food-sciences-agriculture/business-management-agriculture-diploma/</a> )	2	93	Yes
Crop Management, Agriculture Diploma ( <a href="https://catalog.umanitoba.ca/undergraduate-studies/agricultural-food-sciences-agriculture/crop-management-agriculture-diploma/">https://catalog.umanitoba.ca/undergraduate-studies/agricultural-food-sciences-agriculture/crop-management-agriculture-diploma/</a> )	2	93	Yes
Crop Protection Minor ( <a href="https://catalog.umanitoba.ca/undergraduate-studies/agricultural-food-sciences-agriculture/crop-protection-minor/">https://catalog.umanitoba.ca/undergraduate-studies/agricultural-food-sciences-agriculture/crop-protection-minor/</a> )		18	
Entomology Minor ( <a href="https://catalog.umanitoba.ca/undergraduate-studies/agricultural-food-sciences-agriculture/entomology-minor/">https://catalog.umanitoba.ca/undergraduate-studies/agricultural-food-sciences-agriculture/entomology-minor/</a> )		18	
Food Industry Option, B.Sc. - Human Nutritional Sciences ( <a href="https://catalog.umanitoba.ca/undergraduate-studies/agricultural-food-sciences-agriculture/food-industry-option-bsc-human-nutritional-sciences/">https://catalog.umanitoba.ca/undergraduate-studies/agricultural-food-sciences-agriculture/food-industry-option-bsc-human-nutritional-sciences/</a> )	4	120	Yes
Food Science, B.Sc. ( <a href="https://catalog.umanitoba.ca/undergraduate-studies/agricultural-food-sciences-agriculture/food-science-bsc/">https://catalog.umanitoba.ca/undergraduate-studies/agricultural-food-sciences-agriculture/food-science-bsc/</a> )	4	120	Yes
Food Science Minor ( <a href="https://catalog.umanitoba.ca/undergraduate-studies/agricultural-food-sciences-agriculture/food-science-minor/">https://catalog.umanitoba.ca/undergraduate-studies/agricultural-food-sciences-agriculture/food-science-minor/</a> )		18	
Foods Option, B.Sc. - Human Nutritional Sciences ( <a href="https://catalog.umanitoba.ca/undergraduate-studies/agricultural-food-sciences-agriculture/foods-option-bsc-human-nutritional-sciences/">https://catalog.umanitoba.ca/undergraduate-studies/agricultural-food-sciences-agriculture/foods-option-bsc-human-nutritional-sciences/</a> )	4	120	Yes
General Agriculture, Agriculture Diploma ( <a href="https://catalog.umanitoba.ca/undergraduate-studies/agricultural-food-sciences-agriculture/general-agriculture-diploma/">https://catalog.umanitoba.ca/undergraduate-studies/agricultural-food-sciences-agriculture/general-agriculture-diploma/</a> )	2	93	Yes
Human Nutrition and Metabolism Minor ( <a href="https://catalog.umanitoba.ca/undergraduate-studies/agricultural-food-sciences-agriculture/human-nutrition-metabolism-minor/">https://catalog.umanitoba.ca/undergraduate-studies/agricultural-food-sciences-agriculture/human-nutrition-metabolism-minor/</a> )		18	

Human Nutritional Sciences, B.Sc. - Agreement with Red River College Culinary Arts ( <a href="https://catalog.umanitoba.ca/undergraduate-studies/agricultural-food-sciences-agriculture/human-nutritional-sciences-bsc-red-river-cullinary-arts/">https://catalog.umanitoba.ca/undergraduate-studies/agricultural-food-sciences-agriculture/human-nutritional-sciences-bsc-red-river-cullinary-arts/</a> )	2-3	60	
Human Nutritional Sciences, B.Sc. - Second Degree Program ( <a href="https://catalog.umanitoba.ca/undergraduate-studies/agricultural-food-sciences-agriculture/human-nutritional-sciences-bsc-second-degree-program/">https://catalog.umanitoba.ca/undergraduate-studies/agricultural-food-sciences-agriculture/human-nutritional-sciences-bsc-second-degree-program/</a> )	2-3	60	Yes
Internationally Educated Agrologists Post-Baccalaureate Diploma ( <a href="https://catalog.umanitoba.ca/undergraduate-studies/agricultural-food-sciences-agriculture/internationally-educated-agrologists-post-baccalaureate-diploma/">https://catalog.umanitoba.ca/undergraduate-studies/agricultural-food-sciences-agriculture/internationally-educated-agrologists-post-baccalaureate-diploma/</a> )			
Livestock, Agriculture Diploma ( <a href="https://catalog.umanitoba.ca/undergraduate-studies/agricultural-food-sciences-agriculture/livestock-agriculture-diploma/">https://catalog.umanitoba.ca/undergraduate-studies/agricultural-food-sciences-agriculture/livestock-agriculture-diploma/</a> )	2	93	Yes
Nutrition Option, B.Sc. - Human Nutritional Sciences ( <a href="https://catalog.umanitoba.ca/undergraduate-studies/agricultural-food-sciences-agriculture/nutrition-option-bsc-human-nutritional-sciences/">https://catalog.umanitoba.ca/undergraduate-studies/agricultural-food-sciences-agriculture/nutrition-option-bsc-human-nutritional-sciences/</a> )	4	120	Yes
Plant Biotechnology, B.Sc. - Agriculture ( <a href="https://catalog.umanitoba.ca/undergraduate-studies/agricultural-food-sciences-agriculture/plant-biotechnology-bsc-agriculture/">https://catalog.umanitoba.ca/undergraduate-studies/agricultural-food-sciences-agriculture/plant-biotechnology-bsc-agriculture/</a> )	4	120	Yes
Plant Biotechnology Minor ( <a href="https://catalog.umanitoba.ca/undergraduate-studies/agricultural-food-sciences-agriculture/plant-biotechnology-minor/">https://catalog.umanitoba.ca/undergraduate-studies/agricultural-food-sciences-agriculture/plant-biotechnology-minor/</a> )		18	
Soil Science Minor ( <a href="https://catalog.umanitoba.ca/undergraduate-studies/agricultural-food-sciences-agriculture/soil-science-minor/">https://catalog.umanitoba.ca/undergraduate-studies/agricultural-food-sciences-agriculture/soil-science-minor/</a> )		18	

Pre-veterinary Program (<https://catalog.umanitoba.ca/undergraduate-studies/agricultural-food-sciences-agriculture/pre-veterinary-program/>): Two full years of university training are required for admission to the Western College of Veterinary Medicine (Saskatoon) comprised of a minimum 60 Credit Hours.

## Faculty Academic Regulations

### Admission Requirements

The following is a summary of the admission requirements for the Faculty of Agricultural and Food Sciences Degree and Diploma Programs. Equivalent academic courses completed at recognized universities elsewhere will be considered. All admission requirements, as well as application deadline dates and forms, are included in an applicant

information bulletin (<https://umanitoba.ca/explore/undergraduate-admissions/undergraduate-admission-requirements/>).

## Admission Requirements for Degree Programs

Students can enter the four-year degree programs in the Faculty of Agricultural and Food Sciences in two ways:

1. Direct Entry from high school
2. Advanced Entry - A minimum 24 credit hours of university-level coursework with a minimum adjusted GPA of 2.0.

Each entry path has specific course and credit requirements that you must meet to be considered for admission.

Review the details outlined here to ensure your high school courses and credit hours match the requirements for the entry path and the program you're interested in pursuing.

### Direct Entry (ALL DEGREE PROGRAMS)

General Admission Requirements	Category Requirements
MB High School Graduation	A minimum 70% average over the following, with no less than 60% in each course:
(5 full credits at the Grade 12 level in courses designated S, G, or U)	<ol style="list-style-type: none"> <li>1. An English 40S course</li> <li>2. Applied or Pre-Calculus Math 40S</li> <li>3. Academic 40S</li> <li>4. Academic 40S</li> </ol>

### Advanced Entry

B.Sc. in Agribusiness, Agriculture, Agroecology, Food Science and Human Nutritional Sciences - A minimum of 24 credit hours of University-level coursework with a minimum adjusted grade point average of 2.0.

Please note: If the number of eligible candidates exceeds the available spaces, an adjusted grade point average higher than the minimum may be required.

For full details regarding admissions requirements, application deadlines and to apply, please consult the University of Manitoba Admissions (<https://umanitoba.ca/admissions/>) page.

High School Requirements for prerequisites in required degree courses:

Program	English 40S	Math 40S - Pre-Calculus	Math 40S - Applied	Biology 40S	Chemistry 40S	Physics 40S
B.Sc. Agribusiness	60%	60%		recommended but not required		
B.Sc. Agriculture (Agronomy), Animal Systems, Plant Biotechnology	60%	60% or	70%	50%	50%	
B.Sc. Agroecology	60%	50% or	50%	50%	50%	
B.Sc. Food Science	60%	60%		50%	50%	

B.Sc. Human Nutritional Sciences	60%	50% or	50%	Required for students taking BIOL 1020	50%	
Pre-Veterinary Studies	60%	60% or	70%	50%	50%	50%

### Transfers of Credit

Students may be able to use transfer credits towards their individual degree programs and should consult Student Services to determine applicable courses. More information about transferring credits can be found on the Transfer Credit (<https://umanitoba.ca/admissions/undergraduate/requirements/transfer-credit/>) webpage.

## Admission Requirements for the Diploma Program

### Direct Entry

The Direct Entry option is for students who have graduated from high school and have not attended any post-secondary institutions, or have completed fewer than 24 credit hours at a recognized university or college. Applicants must meet the admission requirements as listed in the Direct Entry Application Information Bulletin. (<https://umanitoba.ca/explore/undergraduate-admissions/undergraduate-admission-requirements/>) Applicants who would otherwise fall under the Direct or Advanced Entry Category but who do not meet the academic requirements may apply under the Individual Consideration Category.

Direct Entry requires a minimum 60% average over the following:

1. English 40S
2. Mathematics 40S or 45S
3. One of Biology, Chemistry, Physics, or Computer Science 40S

If the number of eligible candidates exceeds the available spaces, an academic average higher than the minimum may be required for admission. The equivalent level of studies from other Canadian provinces or other countries will be accepted.

### Advanced Entry

The Advanced Entry option (<https://umanitoba.ca/explore/undergraduate-admissions/apply/>) is for applicants who have completed one year or more of studies in another faculty at the University of Manitoba or another recognized post-secondary institution. Applicants in this category must have fulfilled all eligibility requirements as described below.

Applicants must:

1. Complete a minimum of 24 credit hours from a recognized university or college.
2. Achieve a Cumulative Grade Point Average (CGPA) of 2.0 or higher (see Calculation of the Cumulative Grade Point Average (<https://catalog.umanitoba.ca/undergraduate-studies/general-academic-regulations/#Calculation-Grade-Point-Average>)) (CGPA)).

If the number of eligible candidates exceeds the available spaces, a CGPA higher than the minimum may be required for admission.

### Individual Consideration Category – Agriculture Diploma

This category is for students whose academic records may not be competitive in the selection process. Such students may apply for Individual Consideration only if they meet the criteria for Individual

Consideration as described below. Only a limited number of applicants may be admitted under the Individual Consideration Category. Meeting the eligibility requirements of this category is not a guarantee of admission.

Applicants would be eligible for Individual Consideration if they are considered by the Diploma Selection Committee because they either:

- have academic records that are not a true reflection of their academic and intellectual merit because of their exceptional life circumstances (exceptional circumstances include physical, societal, educational, economic, medical, geographical and other obstacles encountered by the applicant),

or

- display skills and attributes in any or all personal, work, or community activities which indicate that they can make a significant contribution to the Agriculture Diploma Program or can make a significant contribution to Manitoba's agri-food industry and/or rural and northern Indigenous communities.

Students who apply for Individual Consideration must submit the following documents:

1. **a typed personal statement** not to exceed 800 words which includes the specific reasons why their application merits consideration within the Special Consideration Category.
2. **a typed personal resume.**
3. **three Letters of Recommendation.**

Those candidates who are applying on the basis of *exceptional* circumstances must submit **supporting documentation** to verify their exceptional circumstances (for example, if a student is applying on the basis of exceptional medical circumstances, the student must submit official supporting documentation from a qualified medical professional.)

The Diploma Selection Committee composed of the Director, an Academic Advisor and one Instructor, will review the application and supporting documentation. All candidates will be interviewed by the Selection Committee and may be administered an academic skills test. Criteria used when evaluating Individual Consideration applicants include the applicant's maturity, scholastic ability, agricultural experience, motivation, leadership, and/or demonstrated initiative relevant to an agricultural career. Up to 10% of admission spaces are available to Individual Consideration Candidates recommended by the Diploma Selection Committee.

### Transfer of Credit

Courses taken within the degree program in the Faculty of Agricultural and Food Sciences as well as outside the Faculty of Agricultural and Food Sciences or outside of the University of Manitoba may also qualify for credit towards the diploma if the course content and the student's performance are deemed appropriate by the department concerned.

## Admission Requirements for the Internationally Educated Agrologists Post-Baccalaureate Diploma Program (IEAP)

\*Admission suspended\*

Individuals interested in the Internationally Educated Agrologists Post-Baccalaureate Diploma Program must meet the following Admission requirements:

1. Have a degree in agriculture from another country
2. Be a permanent resident or Canadian Citizen
3. Have met the English Language Proficiency Requirements
4. Have a valid driver's license
5. Have a letter from the Manitoba Institute of Agrologist (MIA) indicating their application for registration has been accepted.

## Academic Regulations for all Degree Programs

The provisions of the, General Academic Regulations (<https://catalog.umanitoba.ca/undergraduate-studies/general-academic-regulations/>), and the, University Policies and Procedures (<https://catalog.umanitoba.ca/undergraduate-studies/policies-procedures/>), apply to all students. In addition, the Faculty of Agricultural and Food Sciences has regulations and requirements, published below, that apply specifically to specific degree programs.

### Degree GPA (DGPA)

A student's Degree Grade Point Average (DGPA) will be determined from the number of effective courses completed at each point of assessment. The effective courses consist of all courses applicable to the degree program, including repeated, extra and failed course attempts.

### Scholastic Requirements

A minimum passing grade of "D" in prescribed courses is required of all students in the faculty. A higher grade may be required for prerequisite purposes.

Elective courses in which passing grades were not obtained need not be repeated however if taken after admitted to the degree program will count towards the DGPA.

In order to graduate, students must obtain a minimum DGPA of 2.0 calculated over a minimum of 120 credit hours before graduation.

### Course Load Limits

A normal "course load" is 30 credit hours during the regular session, with 15 credit hours normally taken in each academic term. A student may attempt a maximum of 39 credit hours during the regular session, with no more than 21 credit hours in an academic term, provided the student is in a good academic standing and has completed at least 24 credit hours in the previous regular session.

### Course Availability

All courses listed in this *Calendar* are not offered every year. The course(s) offered for the current academic terms are published in the *Aurora Class Schedule*.

### Prerequisite and Corequisite Definitions

The Registrar's Office (<http://umanitoba.ca/student/records/registration/access/640.html>) defines prerequisite and corequisite courses.

### Dean's Honour Roll

Students who have completed a minimum of 12 credit hours of study in either the Fall or Winter terms and who achieved a Term GPA of 3.50 or higher will be placed on the Dean's Honour Roll. Graduating students who achieved Dean's Honour Roll status in the previous term but complete less than 12 credit hours in their final term with a Term GPA of 3.5 or greater, will be eligible to remain on the Dean's Honour Roll.

### Graduation With Distinction

Degrees with distinction will be awarded to students who have achieved a minimum DGPA of 3.75 upon graduation.



## Repeating Courses

**Limited Access will not affect registration for the current Academic Year, which includes Fall, Winter, and Summer terms. See University Policy and Procedures – Repeat Course Policy – Section 2.5 (a) Limited Access** (<https://catalog.umanitoba.ca/undergraduate-studies/policies-procedures/repeated-course-policy/>).

Please refer to the University of Manitoba's Repeated Course Policy (<https://catalog.umanitoba.ca/undergraduate-studies/policies-procedures/repeated-course-policy/>) in the University Policies and Procedures.

## Academic Assessment Standards

All Agricultural and Food Sciences' students admitted Fall 2019 and onwards are assessed using the following regulations. Students admitted prior to Fall 2019 will be assessed using the old model (each year in May).

### Academic Assessment Standards – effective Fall 2019

Formal academic assessments are performed following each term of registration for all Faculty of Agricultural and Food Sciences students who have completed 3 or more credit hours.

### Minimum Met

Students must achieve a DGPA of 2.0 at each point of assessment in order to fulfil the minimum requirements from the Faculty.

Students who do not have a minimum DGPA of 2.0 will be placed on Academic Warning or Probation or Suspension based on the following conditions:

### Academic Warning

When a student's DGPA drops below a 2.0 for the first time they will be placed on Academic Warning. Once placed on Academic Warning, the student will be placed on hold and must meet with an Academic Advisor to get an override to proceed to register for another term. A student can only be placed on Academic Warning once while in the program.

### Probation

When on Academic Warning, if a student obtains a TGPA below a 2.0 on their next assessment then they are placed on Probation. The student will be placed on hold and must meet with an Academic Advisor to get an override to proceed to register for another term.

If a student has been on Academic Warning or Probation previously, and then achieved a Satisfactory assessment, has a DGPA below 2.0 and then obtains a TGPA below 2.0 they are automatically placed on Probation from Satisfactory.

### Satisfactory

Once on Academic Warning or Probation a student needs to obtain a TGPA of 2.0 or higher for the next assessment to be Satisfactory. Students who are assessed as Satisfactory are able to register without restrictions.

### Suspension

If on Probation, a student has a TGPA below 2.0 on their next assessment, they are placed on Suspension. The notation "Academic Suspension for 1 Year" will be recorded on the student's transcript. After remaining out of the Faculty for one calendar year, the student may attempt reinstatement.

### Maximum Attempts

A maximum of 150 credits hours may be attempted to obtain the 120 credit hours required to graduate. This means that a student cannot accumulate extra courses, repeats (e.g. retake a course to obtain a higher

grade) and/or fails which result in more than 30 credit hours over the duration of their program.

### Suspension (All Attempts Used)

Where it is mathematically impossible for a student to complete the degree within the maximum 150 credit hours (i.e. has exceeded 30 credit hours of attempts, as described above), the student is suspended and after remaining out of the Faculty for one calendar year, may attempt reinstatement.

### Appeals

Appeals of academic assessments must be submitted to the Dean's Office of the Faculty of Agricultural and Food Sciences within 10 working days of the date of notification of action sent to the student.

### Reinstatement Policy

After remaining out of the Faculty for one academic year on suspension, a student can attempt reinstatement by completing a minimum of 9 credit hours in one term with no grade less than D and a term grade point average of at least 2.0. Upon success, the student will start their program afresh, with previous grades of 'C' or better applicable to the program, as well as the courses attempted for reinstatement. Terminal courses with passing grades of D may continue to be used towards the degree, upon request to the Associate Dean (Academic) and only under the condition the DGPA remains above a 2.0. A student who does not meet the requirements as listed above will be required to withdraw from the Faculty.

A student who has been reinstated once will not be permitted to attempt reinstatement again; the student will be required to withdraw from the program.

### Time Limits and Lapse of Credit

The normal maximum time allowed for the completion of the Agriculture degree programs is ten years from the date of first registration. A candidate for a degree will not normally be permitted to count toward that degree any courses taken more than ten year prior to the date of awarding the degree.

Students registered in the HNS Second Degree program will be exempted from the ten-year time limit only for science-based courses (subject areas of CHEM, BIOL and STAT) taken at the U of M or if they have previously been granted equivalences by the University of Manitoba transfer credit process. They will be permitted to use the science courses they already have credit for towards their program.

### Re-registration of Returning Degree Students

All degree students who were previously admitted to the Faculty of Agricultural and Food Sciences who have not been in attendance for one or more years must re-register through the Dean's Office. Students returning to the faculty will be subject to compliance with the current program requirements.

### Residence Requirements for Degree Programs

The residence requirements for the degrees offered by the Faculty of Agricultural and Food Sciences, can be found in, General Academic Regulations (<https://catalog.umanitoba.ca/undergraduate-studies/general-academic-regulations/#Residence-Written-English>).

### Supplemental Exams

A student registered in an undergraduate degree program in the Faculty of Agricultural and Food Sciences may apply to write a supplemental exam for a Faculty of Agricultural and Food Sciences course under the following conditions:

1. Student must be within 3 terms (summer, fall, winter/ fall, winter, summer / winter, summer, fall) of their anticipated graduation date.
2. Student must have written the final exam and obtained a final grade of F in the course (incomplete grades are not accepted).
3. It must be mathematically possible to obtain the passing grade required for the course and graduation.
4. It must be mathematically possible for a student writing a supplemental exam to end the term assessed in good standing or eligible to graduate (i.e. have a DGPA above 2.0 or is possible to achieve a TGPA above 2.0 to be considered satisfactory, if previously assessed on probation or academic warning).
5. It must be clearly demonstrated that failing the course will impact the student's ability to graduate.
6. No prior supplemental exams have been written while registered in a degree program in Faculty of Agricultural and Food Sciences.

A student is only permitted one supplemental exam (if conditions are met) during their degree program in the Faculty. Students may be approved a supplemental exam for a course offered through another Faculty, if that Faculty offers supplemental exam privileges. A student would be required to meet the regulations of both Faculty's to write a supplemental exam.

Note: Supplemental Exams in Faculty of Agricultural and Food Sciences courses that are cross-listed with other Faculties courses will only be permitted under conditions that both Faculties allow supplemental exam privileges.

Students must contact the FAFS Student Services Office to request an application form within 5 business days after the term's final grade deadline (or within 2 business days if grades are posted after the final grade deadline).

Students approved must pay the associated fee to the Registrar's Office before they may write a supplemental exam. When supplemental exams are written, the new exam grade will replace the original final exam grade and will be used to re-calculate the final grade in the course.

The supplemental exam shall be considered as a replacement for the final exam only, not for term work.

A comment on the transcript will appear indicating that a student wrote a supplemental exam.

### University Written English and Mathematics Requirements

All students are required to complete a university Written English and Mathematics requirement within the first 60 credit hours of their program. This requirement is described in, General Academic Regulations (<https://catalog.umanitoba.ca/undergraduate-studies/general-academic-regulations/#Residence-Written-English>).

The Human Nutritional Sciences written (W) and mathematics (M) requirements are satisfied by required courses HNSC 2000 and AGRI 2400 or STAT 2000. HNSC 2000 will be available to students upon admission to the Human Nutritional Sciences program.

For the degree programs Agriculture, Agribusiness, Agroecology, and Food Science the written (W) requirement can be met by AGRI 2030, or by ENGL 1200, or ENGL 1300. (**Note:** AGRI 2030, Technical Communications cannot be taken in University 1). The mathematics (M) requirement is satisfied by the required AGRI 2400 or any MATH and STAT courses, as required by the programs.

### Transfer of Credit

See Admissions (<https://catalog.umanitoba.ca/undergraduate-studies/admissions/>) and General Academic Regulations (<https://catalog.umanitoba.ca/undergraduate-studies/general-academic-regulations/>).

## Academic Regulations for Diploma Program

### Requirements for Graduation

To qualify for the Diploma in Agriculture a student must have attained a DGPA of at least 2.0 with a minimum grade of "D" in courses over a minimum of 93 credit hours including all those on the prescribed list to a maximum of 105 credit hours. Elective courses in which failures were obtained may be substituted for and need not be repeated, except to help meet the requirements of the scholastic standards described previously.

### Part-Time vs. Full-Time Status for Students

A student is considered to be equivalent to full-time if at least 60 per cent of the normal full-time course load is attempted in the academic term or session.

### Scholastic Standards

A minimum passing grade of "D" in prescribed courses is required of all students in the Diploma in Agriculture. A higher grade may be required for prerequisite purposes.

### Degree GPA

A student's Degree Grade Point Average (DGPA) will be determined from the number of effective courses completed at each point of assessment. The effective courses consist of all courses applicable to their program, including repeated, extra and failed course attempts.

### Repeating Courses

A student may repeat any course for the purpose of attaining a better grade. All attempts will be used in the DGPA calculations.

### Academic Assessment Standards

Formal academic assessments are performed following each term of registration for all Faculty of Agricultural and Food Sciences students who have completed 3 or more credit hours.

### Minimum Met

Students must achieve a DGPA of 2.0 at each point of assessment in order to have fulfilled the minimum requirements from the Faculty.

Students who do not have a minimum DGPA of 2.0 will be placed on Academic Warning or Probation or Suspension based on the following conditions:

### Academic Warning

When a student's DGPA drops below a 2.0 for the first time they will be placed on Academic Warning. Once placed on Academic Warning, the student will be placed on hold and must meet with an Academic Advisor to get an override to proceed to register for another term. A student can only be placed on Academic Warning once while in the program.

### Probation

When on Academic Warning, if a student obtains a TGPA below a 2.0 on their next assessment then they are placed on Probation. The student will be placed on hold and must meet with an Academic Advisor to get an override to proceed to register for another term.

If a student has been on Academic Warning or Probation previously, and then achieved a Satisfactory assessment, has DGPA a below 2.0 and then



obtains a TGPA below 2.0 they are automatically placed on Probation from Satisfactory.

### Satisfactory

Once on Academic Warning or Probation a student needs to obtain a TGPA of 2.0 or higher for the next assessment to be Satisfactory. Students who are assessed as satisfactory are able to register without restrictions.

### Suspension

If on Probation, a student has a TGPA below a 2.0 on their next assessment then they are placed on Suspension. The notation "Academic Suspension" will be recorded on the student's transcript. After remaining out of the Faculty/School for one academic term, a student may attempt reinstatement.

### Reinstatement Policy

After remaining out of the School of Agriculture for one academic term (excluding summer term) on suspension, a student can attempt reinstatement by completing a minimum of 12 credit hours in one term with no grade less than D and a term grade point average of at least 2.0. Upon success, the student will start their program afresh, with previous grades of 'C' or better applicable to the program, as well as the courses attempted for reinstatement. Terminal courses with passing grades of D may continue to be used towards the diploma, upon request to the Associate Dean (Academic) and only under the condition the DGPA remains above a 2.0. A student who does not meet the requirements as listed above will be required to withdraw from the Diploma in Agriculture Program.

A student who has been reinstated once will not be permitted to attempt reinstatement again; the student will be required to withdraw from the Diploma in Agriculture program.

### Appeals

Appeals of academic assessments must be submitted to the Director of the School of Agriculture within 10 working days of the date of notification of action sent to the student.

### Supplemental Exams

Any student in good academic standing for the current term (i.e., not on probation or suspension or academic warning) is eligible to write a supplemental exam. Only one supplemental exam (in a diploma level course offered by the Faculty of Agricultural and Food Sciences) will be permitted during their program and only in a course in which a "D" or "F" was received. The student must have written the final exam. The supplemental exam shall be considered as a replacement for the final exam only, not for term work. Accordingly, students who are granted incomplete or deferred status may not be eligible. When supplemental exams are written, the mark will replace the final exam grade and will be used to re-calculate the final grade in the course.

### Time Limits and Lapse of Credit

The normal maximum time allowed for the completion of the Agriculture Diploma is five years from the date of first registration. A candidate for a Diploma in Agriculture will not be permitted to count toward that diploma any courses taken more than five years prior to the date of awarding the diploma.

Students who desire an exemption from this maximum must apply, in writing, to the Director.

### Dean's Honour Roll

Students who have completed a minimum of 18 credit hours of study in either the Fall or Winter term and who have achieved a Term GPA of 3.5 or higher will be placed on the Dean's Honour Roll. Graduating students who achieved Dean's Honour Roll status in their final term with a Term GPA of 3.5 or greater, will be eligible to remain on the Dean's Honour Roll.

### Graduation with Distinction

The Diploma in Agriculture with Distinction will be awarded to Diploma students who obtain a DGPA of 3.75 or better with 75 per cent of the courses taken within the Diploma in Agriculture.

An Interfaculty Option in Aging is offered by the following faculties and colleges: Agricultural and Food Sciences, Arts, Kinesiology and Recreation Management, Medicine, Nursing, and Social Work.

To complete the option, students in the Human Nutritional Sciences Program must complete each of the following requirements:

Course	Title	Hours
FMLY 2650 or REC 2650 or SWRK 2650	The Social Aspects of Aging	3
KIN 2610 or NURS 2610	Health and Physical Aspects of Aging	3
HNSC 4362 or FMLY 4300	Nutrition Option Practicum <sup>1</sup> Field Experience	6
6 credit hours of aging-related courses from participating units of the following: <sup>2</sup>		6
HNSC 2130	Nutrition Through the Life Cycle	
HNSC 4310	Nutrition and the Elderly	
FMLY 3220	Death and the Family	
FMLY 3240	Families in Later Years	
FMLY 4220	Aging and Risk in a Global Context	
<b>Total Hours</b>		<b>18</b>

<sup>1</sup> At least six (6) credit hours of discipline-specific (professional) applied work in the student's department of registration. Application is required for all field placement or practicum courses.

<sup>2</sup> Other courses are available from the participating faculties.

Upon completion of these requirements, a concentration will be added to the student's transcript.

## Cooperative Education Program

Co-operative Education is a process that alternates periods of academic study with periods of paid work experience relating to the co-op student's area of study. Through the Co-operative Education Program, full-time, paid work terms provide the students with practical experience and provide guidance for further career specialization or further academic study.

Students secure full-time, paid co-op work placements with a faculty-approved employer(s) that are each a minimum of 420 hours, to be completed within 4 months. The faculty supports students on both a group and individual basis to determine their learning goals for the work placement. Students are expected to attend an orientation session as well as participate in a series of self-evaluations under the guidance of a sessional instructor. Prior to starting each work term, students will register in AGRI 2002 (first placement), AGRI 3002 (2nd placement), and AGRI 4002 (3rd placement) within the term that their co-

op placement will take place and pay the fees. Students must submit a reflective written report at the end of the work term and are evaluated for both overall participation and the report on a Pass/Fail basis.

## Degree Program

Admission: Students who have been admitted to an undergraduate program within the faculty are eligible to apply to the Co-operative Education Program. Students are advised that satisfying the entrance requirements does not guarantee a place in the Co-operative Education Program. Full admission into the Program is dependent upon a student's ability to secure a work term placement. Normally, the first work term would take place at the end of the second academic year allowing students to pursue professional development activities in year one. However, with approval of the Faculty and employer, the first work term could commence after the first year of a four-year or second-degree program. Students admitted into the Program must maintain good academic standing (minimum DGPA of 2.0).

Employment Term Requirements: The Co-operative Education Program requires the student to secure two full-time, paid co-op work terms (minimum of 420 hours each) with a faculty approved employer(s). A third work term is optional. Prior to starting the work term, students are required to register in the appropriate Agricultural and Food Sciences Co-operative Education Work Term Course within the set deadlines and pay the fee. Successful completion of a work term includes participating in a mid-work term interview with the Co-op Coordinator and completion of a written work term report at the end of each work term. Students who receive a passing grade on the work term reports for all required work terms graduate with the Co-operative Education designation acknowledged on their parchment.

During a work term, a co-op student may take a maximum of one additional course worth up to six credit hours for a total of nine (9) credit hours. Co-op credit hours earned can be used towards free elective requirements in any degree program.

## Diploma Program

Admission: To be considered for admission in the Cooperative Education Program, a first year diploma student must have a minimum Degree GPA of 2.0, and have completed at least 24 credit hours of studies by the end of the academic year of application.

Students are advised that satisfying the entrance requirements does not guarantee a place in the Cooperative Education Program. Full admission into the program is dependent upon the student receiving a job placement through the Cooperative Education Office.

Employment Term Requirements: The student will receive three credits for completing the Cooperative Education Program. Students are required to register in the employment term course and pay the fee prior to starting the employment term.

## Diploma to Degree Pathway

### A. Students who have completed the University of Manitoba's Diploma in Agriculture

Upon completion of the University of Manitoba's Diploma in Agriculture program, students are eligible to apply for the B.Sc. Agribusiness, B.Sc. Agriculture, or B.Sc. Agroecology degree programs providing they have:

- Graduated from the University of Manitoba's Diploma in Agriculture program (Degree GPA of 2.0)

Students who have successfully completed the University of Manitoba's Diploma in Agriculture program and are admitted to one of the applicable degree programs will have transfer credit/course substitutions based on the following. A minimum grade of 'C' or higher must be obtained to transfer the credit outlined in the charts:

### Course substitution allocations for Diploma to Degree Transfer of Credit

Courses taken by All Diploma Students		
Degree Course	Diploma course substitution from the 2018 UM Diploma in Agriculture program and forward	Diploma course substitution from previous UM Diploma in Agriculture program prior to 2018
ABIZ 1000	DAGR 0990	DAGR 0690
ABIZ 2510	ABIZ 0450	ABIZ 0450
AGRI 1600	PLNT 0410 and SOIL 0420	DAGR 0420
PLNT 2500	DAGR 0430 (or PLNT 0760)	PLNT 0750 or PLNT 0760 or PLNT 0800 or PLNT 0820
Courses Completed depending on Diploma Option		
Degree Course	Diploma course substitution from the 2018 UM Diploma in Agriculture program and forward	Diploma course substitution from previous UM Diploma in Agriculture program prior to 2018
ABIZ 2620	DAGR 0530	DAGR 0530
BIOE 3100	BIOE 0600 or BIOE 0710 or BIOE 0700	BIOE 0400 or BIOE 0710 or BIOE 0690 or BIOE 0700
ANSC 2500	ANSC 0670 or ANSC 0680 or ANSC 0690 or ANSC 0700	ANSC 0670 or ANSC 0680 or ANSC 0690 or ANSC 0700
SOIL 3600	SOIL 0630	SOIL 0620 and SOIL 0630

It is important to note that transfer credits are based on the overall knowledge a student would have obtained within the Diploma program up to that point of the course being substituted. These course substitutions outlined below do not reflect course to course equivalences. For example, a student must take SOIL 0420 (C) to take SOIL 0620 and then SOIL 0620 (C) is required to take SOIL 0630 and therefore SOIL 0630 will be applied as SOIL 3600. Courses applicable for transfer (credit hours and grades) will be applied upon admission. As per the UM Residency Requirements, students must successfully complete a minimum 60 credit hours of UM courses (i.e. courses not previously applied to a completed Diploma or Degree) towards their program to graduate from the degree.

The approved degree level program electives that may have been taken in the Diploma in Agriculture that are eligible for transfer credit, where applicable, into a degree program may include the following: ABIZ 1000, ABIZ 1010, ABIZ 2610, ABIZ 2620, ABIZ 3530, AGRI 2500, AGRI 2510, AGRI 3030, ENTM 1000, FOOD 1000, HNSC 1200, HNSC 1210, PLNT 1000

All students transferring after successful completion of the UM Diploma in Agriculture Program will be allocated the maximum number credit

hours of free elective permitted by their selected program (courses to be applied will be the top grades from diploma or degree level courses, not already being transferred as a required course in a chosen degree program), any degree-equivalent course transfers, plus the following potential program-specific transfers (grades of C or higher required):

#### B.Sc. Agribusiness:

- up to the maximum allowable free electives (30 credit hours)
- ABIZ 1000
- ABIZ 2510
- AGRI 1600
- PLNT 2500
- plus 6 credit hours from the above table if taken as an option for ABIZ 2620 and ANSC 2500
- plus 9 credit hours to satisfy Group 2 Restricted Electives (Agrology) - which will be applied as core Diploma courses: DAGR 0910, DAGR 0920 and DAGR 0980.
- plus any degree equivalent program electives taken as stated above (not including AGRI 2002).

#### B.Sc. Agriculture (Agronomy):

- up to the maximum allowable free electives (30 credit hours)
- ABIZ 1000
- ABIZ 2510
- AGRI 1600
- PLNT 2500
- plus 9 credit hours from the above table if taken as an option for ANSC 2500, BIOE 3100 and SOIL 3600
- plus 3 credit hours for Restricted Elective Group 1 if students took both PLNT 0750 and PLNT 0820 (will be applied as PLNT 0820, 3 credits)
- plus any degree equivalent program electives taken as stated above (not including AGRI 2002)

#### B.Sc. Agriculture (Animal Systems):

- up to the maximum allowable free electives (27 credit hours)
- ABIZ 1000
- ABIZ 2510
- AGRI 1600
- PLNT 2500
- plus 9 credit hours from the above table if taken as an option for ABIZ 2620, ANSC 2500 and SOIL 3600
- plus any degree equivalent program electives taken as stated above (not including AGRI 2002)

#### B.Sc. Agriculture (Plant Biotechnology):

- up to the maximum allowable free electives (21 credit hours)
- ABIZ 1000
- ABIZ 2510
- AGRI 1600
- PLNT 2500
- plus 6 credit hours from the above table if taken as an option for ANSC 2500 and SOIL 3600

- plus any degree equivalent program electives taken as stated above (not including AGRI 2002)

#### B.Sc. Agroecology:

- up to the maximum allowable free electives (30 credit hours)
- ABIZ 1000
- AGRI 1600
- PLNT 2500
- plus 6 credit hours from the above table if taken as an option for ANSC 2500 and SOIL 3600
- plus 9 credit hours to satisfy the Restricted Elective Groups 3 and 4 - which will be applied as core Diploma courses: DAGR 0910, DAGR 0920 and DAGR 0980.
- plus any degree equivalent program electives taken as stated above (not including AGRI 2002)

#### B. Students who have not completed the Diploma in Agriculture

Students who have not completed the Diploma in Agriculture can apply for regular admission (via Advanced or Direct Entry) to the degree programs in the Faculty of Agricultural and Food Sciences. Admitted students who have not graduated from the Diploma in Agriculture may receive credit for the indicated course combinations in the chart below, where a minimum grade of 'C' or higher was obtained. Any additional courses can be used toward free electives or as any approved degree equivalent program electives taken. All applicable credit hours and grades will be applied upon admission.

Degree Course	Diploma course substitution from the 2018 UM Diploma in Agriculture program and forward	Diploma course substitution from previous UM Diploma in Agriculture program prior to 2018
ABIZ 1000	DAGR 0990	DAGR 0690
ABIZ 2510	ABIZ 0450	ABIZ 0450
AGRI 1600	PLNT 0410 and SOIL 0420	DAGR 0420
PLNT 2500	DAGR 0430 (or PLNT 0760)	PLNT 0750 or PLNT 0760 or PLNT 0800 or PLNT 0820
ABIZ 2620	DAGR 0530	DAGR 0530
BIOE 3100	BIOE 0600 or BIOE 0710 or BIOE 0700	BIOE 0400 or BIOE 0710 or BIOE 0690 or BIOE 0700
ANSC 2500	ANSC 0670 or ANSC 0680 or ANSC 0690 or ANSC 0700	ANSC 0670 or ANSC 0680 or ANSC 0690 or ANSC 0700
SOIL 3600	SOIL 0630	SOIL 0620 and SOIL 0630

The approved degree level program electives that may have been taken in the Diploma in Agriculture that are eligible for transfer credit, where applicable, into a degree program may include the following: ABIZ 1000, ABIZ 1010, ABIZ 2610, ABIZ 2620, ABIZ 3530, AGRI 2500, AGRI 2510, AGRI 3030, ENTM 1000, FOOD 1000, HNSC 1200, HNSC 1210, PLNT 1000.