

FARM MANAGEMENT TECHNOLOGY (DIPLOMA OF COLLEGE STUDIES)

Offered by: Agricultural & Env.Sc.-Dean

Degree: Farm Management Technology

Program Description

This three-year academic and practical program is offered on the Macdonald campus and taught by the staff of the Faculty of Agricultural and Environmental Sciences of McGill University. The program is funded by the Ministère de l'Agriculture, des Pêcheries et de l'Alimentation du Québec and authorized by the Ministère de l'Éducation, Enseignement supérieur, et Recherche (MEESR).

The educational goals of the program are:

1. to make our graduates competent in the exercise of their profession;
2. to help the student's integration into professional life;
3. to foster professional mobility;
4. to foster a need for continual development of professional knowledge.

Program Overview

Six academic terms are spent on the Macdonald Campus studying a sequence of courses in soil, plant science, animal science, engineering, and management. The first summer of the program includes a 13-week internship on an agricultural enterprise other than the home farm, or an agricultural business, where the student learns the many skills related to modern commercial agriculture. Students prepare for their Agricultural Internship during both academic semesters of Year 1 through two Stage courses.

During the second summer, students are registered in Enterprise Management 1. During this period, the students will be responsible for data collection to be used in the next two Enterprise Management courses and the Nutrient Management Plan course when they return to the campus for the Fall semester. These internships will enable the students to relate their academic work to the reality of farming and of the agri-food sector.

Finally, courses in English, Français, Humanities, Physical Education, and two complementary subjects taken during the program will entitle the student to receive a Diploma of College Studies (DEC) from the MEESR.

Program Outline

Fall 1

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Course	Title	Credits
FMT4 001	Fall Stage (152-VSA-MC).	1.33
FMT4 002	Soil Tillage (152-VSB-MC).	1.67
FMT4 003	Information Management (152-VSC-MC).	1.33

FMT4 004	Animal Physiology and Anatomy (152-VSD-MC).	1.33
FMT4 005	Introduction to Plant Science (152-VSE-MC).	2.33
FMT4 006	Pesticides and the Environment (152-VSF-MC).	1.33
FMT4 080	English Upgrading.	2
FMT4 090	Physical Activity and Health (109-101-MQ).	1

Winter 1

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Course	Title	Credits
FMT4 007	Health and Safety (152-VSG-MC).	2
FMT4 008	Animal Genetics and Nutrition (152-VSH-MC).	2.33
FMT4 009	Soil Fertility (152-VSJ-MC).	2
FMT4 010	Winter Stage (152-VSK-MC).	1.33
FMT4 011	Farm Accounting (152-VSL-MC).	2
FMT4 012	Machinery Maintenance (152-VSM-MC).	1.67
FMT4 077	Introduction to College English.	2.67

Summer 1

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Course	Title	Credits
FMT4 013	Agricultural Internship (152-VSN-MC).	2

Fall 2

Two courses selected from the Elective Production course list below.

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Course	Title	Credits
FMT4 014	Marketing Strategies (152-VSP-MC).	2
FMT4 015	Forest Management (152-VSQ-MC).	1.33
FMT4 075	Langue française et communication (602-101-03).	2
FMT4 082	Literary Genres (603-102-04).	2.33
FMT4 085	Humanities 1: Knowledge (345-103-04).	2.33

Winter 2

Two courses selected from the Elective Production course list below.

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Course	Title	Credits
FMT4 016	Budgeting and Administration (152-VSR-MC).	2
FMT4 017	Agricultural Systems (152-VST-MC).	1.33
FMT4 083	Literary Themes (603-103-04).	2.33
FMT4 091	Physical Activity and Effectiveness (109-102-MQ).	1
FMT4 098	Français agricole (602-VSG-MC).	2

Summer 2

Expand allContract all

Course	Title	Credits
FMT4 018	Enterprise Management 1 (152-VSU-MC).	2.33

Fall 3

Expand allContract all

Course	Title	Credits
FMT4 019	Nutrient Management Plan (152-VSV-MC).	2
FMT4 020	Conservation of Soil and Water (152-VSW-MC).	2
FMT4 021	Enterprise Management 2 (152-VSX-MC).	2.67
FMT4 022	Equipment Management (152-VSY-MC).	1.67
FMT4 078	FMT English (603-VSB-MC).	2
FMT4 086	Humanities 2: World Views (345-102-03).	2
FMT4 097	Landscape Design (504-VSG-MC).	2

Winter 3

Expand allContract all

Course	Title	Credits
FMT4 023	Building Management (152-VSZ-MC).	1.33
FMT4 024	Farm Building Development (152-VTA-MC).	1.67
FMT4 025	Enterprise Management 3 (152-VTB-MC).	2.33
FMT4 026	Human Resources (152-VTC-MC).	1.67
FMT4 027	Precision Agriculture (152-VTD-MC).	1.33
FMT4 087	Humanities 3: Env. & Org. Issues (345-VSH-MC).	2
FMT4 092	Physical Activity and Autonomy (109-103-MQ).	1

Elective Production Courses

We offer four production courses in the area of Animal Science and four production courses in the area of Plant Science. Students must take a minimum of two courses in each category for a total of four courses. Students could elect to take more than four courses if they wish, after a discussion with their academic adviser. They must take a minimum of two courses per semester.

Animal Science Category

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Course	Title	Credits
FMT4 028	Dairy Replacement Management (152-VTE-MC).	2.67
FMT4 029	Dairy Performance Management (152-VTF-MC).	2.67
FMT4 030	Swine and Poultry Management (152-VTG-MC).	2.67
FMT4 031	Beef and Sheep Management (152-VTH-MC).	2.67

Plant Science Category

Expand allContract all

Course	Title	Credits
FMT4 033	Vegetable and Fruit Crops (152-VTK-MC).	2.67
FMT4 034	Greenhouse Crop Production (152-VTL-MC).	2.67
FMT4 035	Field Crop Management 1 (152-VTM-MC).	2.67
FMT4 036	Field Crop Management 2 (152-VTN-MC).	2.67

Complementary Courses

Students must take two complementary courses to meet the program requirements. The program offers the following.

- After consultation with their academic adviser, students can substitute complementary courses taken at another collegial

institution. This includes science courses which are required for further studies in a degree program. The cost associated with courses taken elsewhere must be assumed by the students.

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Course	Title	Credits
FMT4 074	Complementary Course 2.	2
FMT4 097	Landscape Design (504-VSG-MC).	2

Comprehensive Assessment

The objective of this examination is to ensure that students have attained the objectives and standards for each competency in the program. Successful completion of the Comprehensive Assessment is mandatory to obtain the DEC.

The passing grade is 60%. The mark indicating that the student has successfully completed the Comprehensive Assessment will appear on the student's transcript.

English Exit Examination

All students who wish to graduate and obtain the DEC must pass the English Exit Examination that is prepared and corrected by the MEESR. Students must take this examination on the dates selected by the MEESR.