

# CROP MANAGEMENT, AGRICULTURE DIPLOMA

## Overview/Entrance Requirements

**Director:** Sue Clayton

**Campus Address/General Office:** 160 Agriculture Building

**Telephone:** (204) 474 9295

**Email Address:** aginfo@umanitoba.ca

### Diploma in Agriculture

The program is designed for those who plan to manage farms or pursue careers in the agricultural and food service and/or value added sectors. Classes begin later in September and 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 one of the Faculty of Agricultural and Food Sciences' degree programs.

#### Program Core

The Program Core, common to all students, provides a broad yet integrated education in the production, management and marketing of agricultural and food products and the principles of managing a business. Students are taught to use this knowledge to evaluate the technical and economic feasibility of a variety of alternative agricultural practices.

## Degree Requirements

### Diploma in Agriculture

Course	Title	Hours
<b>Year 1</b>		
<b>Fall</b>		
ANSC 0420	Animal Biology and Nutrition	4
ABIZ 0460	Financial Management 1	4
DAGR 0410	Skills for Agricultural Communication and Decision Making	4
DAGR 0480	Introductory Farm Management	3
PLNT 0410	Crop Production Principles and Practices	4
SOIL 0420	Soil Resources and Productivity	4
<b>Hours</b>		<b>23</b>
<b>Winter</b>		
ABIZ 0470	Financial Management 2	4
ABIZ 0440	Agricultural Economics & Marketing 1	4
BIOE 0222	Precision Agriculture- Technological Tools for Decision Making	4
DAGR 0490	Applied Farm Management	3
DAGR 0430	Crop Production Specialization and Innovation	4
SOIL 0620	Soil and Water Management	4
<b>Hours</b>		<b>23</b>
<b>Year 2</b>		
<b>Fall</b>		
ABIZ 0450	Agricultural Economics and Marketing 2	4
DAGR 0980	Farm Management Project 1	3
<b>Hours</b>		<b>7</b>

#### Winter

DAGR 0910	Integrated Sustainable Agri-Food Systems	3
DAGR 0920	Current Issues in Agriculture and Food	3
DAGR 0990	Farm Management Project 2	3
<b>Hours</b>		<b>9</b>
<b>Total Hours</b>		<b>62</b>

#### Crop Management Option

In order to accommodate a modest level of specialization, the students will be required to elect one of four options by the end of first year.

This option is designed for those who plan to manage farms where crops are the primary enterprise or for those who are interested in careers in related agricultural and food service and/or value-added sectors.

Course	Title	Hours
<b>Program Core</b>		
Program Core credit hours		62
<b>Option Core – Crop Management</b>		
PLNT 0770	Weed Management	4
PLNT 0780	Plant Disease Management	4
SOIL 0630	Soil Fertility	4
ENTM 0620	Insect Pest Management	4
<b>Restricted Electives – Crop Management</b>		
At least two of the following:		6-8
BIOE 0600	Farm Machinery	
BIOE 0710	Materials Handling and Electrical Controls	
PLNT 0750	Forage and Pasture Management	
PLNT 0820	Organic Crop Production on the Prairies	
<b>Program Electives</b>		
7-9 credit hours, to complete a minimum of 93 credit hours in the program		7-9
<b>Total Hours</b>		<b>91-95</b>

#### Program Electives

Students can select program electives to fulfill the program's 93 credit hour requirement. The following Faculty of Agricultural and Food Sciences' courses are approved as program electives for the Agriculture Diploma program. In addition, students may be allowed to register for a maximum of three credit hours of electives from degree or diploma programs offered outside the Faculty of Agricultural and Food Sciences for credit towards the Agriculture Diploma. Credit for these courses will be granted on the condition that there is not significant overlap of course content. Students planning to register for degree courses should contact the Student Services Office to discuss implications for scheduling and graduation, as these courses start earlier in September and end later in April.

Course	Title	Hours
ABIZ 0710	Agricultural Policy	3
ABIZ 0730	Financial Risk Management	3
ABIZ 0740	Special Topics in Business Management	3
ABIZ 0750	Advanced Agricultural Financial Management and Lending	3
ABIZ 1000	Introduction to Agribusiness Management	3
ABIZ 1010	Economics of World Food Issues and Policies	3
ABIZ 2610	Agricultural Law	3

ABIZ 2620	Agricultural Human Resource Management	3
ABIZ 3530	Farm Management	3
AGRI 2002	Agricultural and Food Sciences Co-operative Education Work Term 1	3
AGRI 2300	Indigenous Issues in Food Systems	3
AGRI 2500	Managing Farm Safety	3
AGRI 2510	Managing Farm Business Transition	3
AGRI 3030	Modern Topics in Agriculture 1 <sup>1</sup>	3
ANSC 0600	Animal Health and Welfare	3
ANSC 0670	Beef Cattle Production and Management	4
ANSC 0680	Dairy Cattle Production and Management	4
ANSC 0690	Swine Production and Management	4
ANSC 0700	Poultry Production and Management	4
ANSC 0720	Special Topics in Livestock Management	3
BIOE 0600	Farm Machinery	4
BIOE 0700	Agricultural Buildings and Environments	4
BIOE 0710	Materials Handling and Electrical Controls	3
DAGR 0510	Farm Management Practicum	3
DAGR 0540	Exploring New Opportunities in Adding On-Farm Value	4
DAGR 0610	Advanced Communication and Leadership	3
DAGR 0630	Special Project	3
DAGR 0660	Special Topics in General Agriculture	3
ENTM 0610	Beekeeping	2
ENTM 0620	Insect Pest Management	4
ENTM 1000	World of Bugs	3
FOOD 1000	Food Safety Today and Tomorrow	3
HNSC 1200	Food: Facts and Fallacies	3
HNSC 1210	Nutrition for Health and Changing Lifestyles	3
PLNT 0750	Forage and Pasture Management	4
PLNT 0770	Weed Management	4
PLNT 0780	Plant Disease Management	4
PLNT 0810	Special Topics in Crop Management	3
PLNT 0820	Organic Crop Production on the Prairies	3
PLNT 1000	Urban Agriculture	3
SOIL 0630	Soil Fertility	4

<sup>1</sup> AGRI 3030 Modern Topics in Agriculture 1 is a topics course that will vary term to term with a variety of subject areas. The course may be completed more than once for credit, if taken under different course titles.