

# Diploma in Agriculture

Admission September 2018 and after

## Program Core

### Year 1, Fall Term

Course No.	Course Name	Credit Hours
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>Total Credit Hours</b>		<b>23</b>

### Year 1, Winter Term

Course No.	Course Name	Credit Hours
ABIZ 0470	Financial Management 2	4
ABIZ 0440	Agricultural Economics and 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>Total Credit Hours</b>		<b>23</b>

### Year 2, Fall Term

Course No.	Course Name	Credit Hours
ABIZ 0450	Agricultural Economics and Marketing 2	4
DAGR 0980	Farm Management Project 1	3
<b>Total Credit Hours</b>		<b>7</b>

### Year 2, Winter Term

Course No.	Course Name	Credit Hours
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>Total credit hours</b>		<b>9</b>

<b>Total credit hours for Program Core</b>	<b>62</b>
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## Program Options

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

### Business Management Option

This option offers a more in-depth education in business management to those who intend to manage farms or work as employees, managers and/or business owners in the agricultural and food service and/or value-added sectors.

Restricted Electives – Business Management		Credit Hours
Course No.	Course Name	
<b>Group 1:</b> Select at least <u>three courses</u> from the following:		
ABIZ 0710	Agricultural Policy	3
ABIZ 0730	Financial Risk Management	3
ABIZ 0750	Advanced Agricultural Financial Management and Lending	3
ABIZ 1000	Introduction to Agribusiness Management	3
ABIZ 3530	Farm Management	3
<b>Group 2:</b> Select at least <u>one course</u> from the following:		
BIOE 0600	Farm Machinery	4
BIOE 0710	Materials Handling and Electrical Controls	3
ENTM 0620	Insect Pest Management	4
PLNT 0750	Forage and Pasture Management	4
PLNT 0770	Weed Management	4
PLNT 0780	Plant Disease Management	4
PLNT 0820	Organic Crop Production on the Prairies	3
SOIL 0630	Soil Fertility	4
<b>Group 3:</b> Select at least <u>one course</u> from the following:		
ABIZ 2610	Agricultural Law	3
ABIZ 2620	Agricultural Human Resource Management	3
AGRI 2500	Managing Farm Safety	3
AGRI 2510	Managing Farm Business Transition	3
DAGR 0540	Exploring New Opportunities in Adding On-Farm Value	4
DAGR 0610	Advanced Communication and Leadership	3
<b>Group 4:</b> Select at least <u>one course</u> from the following:		
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 0730	Horse and Stable Management	3
Total credit hours of Restricted Electives, within option		18-21
Plus 10-13 credit hours of Program Electives, to complete a minimum of 93 credit hours in the program		

### Crop Management Option

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.

Option Core – Crop Management		Credit Hours
Course No.		
PLNT 0770	Weed Management	4
PLNT 0780	Plant Disease Management	4
SOIL 0630	Soil Fertility	4
ENTM 0620	Insect Pest Management	4

#### Restricted Electives – Crop Management

Select at least two courses from the following:

BIOE 0600	Farm Machinery	4
BIOE 0710	Materials Handling and Electrical Controls	3
PLNT 0750	Forage and Pasture Management	4
PLNT 0820	Organic Crop Production on the Prairies	3
Total credit hours Option Core		16
Total credit hours of Restricted Electives, within option		6-8
Plus 7-9 credit hours of Program Electives, to complete a minimum of 93 credit hours in program.		

### Livestock Management Option

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

Option Core – Livestock Management		Credit Hours
Course No.		
ANSC 0600	Animal Health and Welfare	3
ENTM 0620	Insect Pest Management	4

#### Restricted Electives – Livestock Management

**Group 1:** Select at least one course from the following:

ANSC 0670	Beef Cattle Production and Management	4
ANSC 0680	Dairy Cattle Production and Management	4

**Group 2:** Select at least one course from the following:

ANSC 0690	Swine Production and Management	4
ANSC 0700	Poultry Production and Management	4
ANSC 0730	Horse and Stable Management	3

**Group 3:** Select at least one course from the following:

BIOE 0700	Agricultural Buildings and Environments	4
PLNT 0750	Forage and Pasture Management	4
Total credit hours Option Core		7

Total credit hours Restricted Electives, in option 11-12  
Plus 12-13 credit hours of Program Electives, to complete a minimum of 93 credit hours in the program.

### General Agriculture Option

This option is designed for those who desire a broad general education in applied agricultural and food sciences. The flexibility it provides in course selection makes it well suited for those who plan to manage diversified farm operations and for those who intend to pursue careers in the agricultural and food service and/or value-added sectors.

Restricted Electives – General Agriculture		Credit Hours
<b>Group 1:</b> Select at least <u>one course</u> from the following:		
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 0730	Horse and Stable Management	3
<b>Group 2:</b> Select at least <u>one course</u> from the following:		
PLNT 0750	Forage and Pasture Management	4
PLNT 0820	Organic Crop Production on the Prairies	3
PLNT 0770	Weed Management	4
PLNT 0780	Plant Disease Management	4
SOIL 0630	Soil Fertility	4
<b>Group 3:</b> Select at least <u>one course</u> from the following:		
ABIZ 0710	Agricultural Policy	3
ABIZ 0730	Financial Risk Management	3
ABIZ 0750	Advanced Agricultural Financial Management and Lending	3
ABIZ 1000	Introduction to Agribusiness Management	3
ABIZ 3530	Farm Management	3
<b>Group 4:</b> Select at least <u>one course</u> from the following:		
BIOE 0600	Farm Machinery	4
BIOE 0710	Materials Handling and Electrical Controls	3
BIOE 0700	Agricultural Buildings and Environments	4
<b>Group 5:</b> Select at least <u>one course</u> from the following:		
ENTM 0610	Beekeeping	2
ENTM 0620	Insect Pest Management	4
<b>Group 6:</b> Select at least <u>one course</u> from the following:		
DAGR 0540	Exploring New Opportunities in Adding On-Farm Value	4
FOOD 1000	Food Safety Today and Tomorrow	3
HNSC 1200	Food Facts and Fallacies	3
HNSC 1210	Nutrition for Health and Changing Lifestyles	3

**Group 7:** Select at least one course from the following:

ABIZ 2610	Agricultural Law	3
ABIZ 2620	Agricultural Human Resource Management	3
AGRI 2500	Managing Farm Safety	3
AGRI 2510	Managing Farm Business Transition	3
DAGR 0610	Advanced Communication and Leadership	3
DAGR 0630	Special Project	3
Total credit hours of Restricted Electives, within option		20-26
Plus 5-11 credit hours of Program Electives, to complete a minimum of 93 credit hours in the program.		

**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 No.		Credit 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 <sup>1</sup>	Modern Topics in Agriculture 1	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

Note: Any discrepancies between this document and the Academic Calendar, the Academic Calendar takes precedent.

ANSC 0730	Horse and Stable 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.