

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 |
| Total Credit Hours | | 23 |

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 |
| Total Credit Hours | | 23 |

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 |
| Total Credit Hours | | 7 |

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 |
| Total credit hours | | 9 |

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|-------------------------------------|-----------|
| Total credit hours for Program Core | 62 |
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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 | |
| Group 1: 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 |
| Group 2: 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 |
| Group 3: 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 |
| Group 4: 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 3300 | Horse Production and 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 <u>two courses</u> 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 <u>one course</u> from the following: | | |
| ANSC 0670 | Beef Cattle Production and Management | 4 |
| ANSC 0680 | Dairy Cattle Production and Management | 4 |
| Group 2: Select at least <u>one course</u> from the following: | | |
| ANSC 0690 | Swine Production and Management | 4 |
| ANSC 0700 | Poultry Production and Management | 4 |
| ANSC 3300 | Horse Production and Management | 3 |
| Group 3: Select at least <u>one course</u> from the following: | | |
| BIOE 0700 | Agricultural Buildings and Environments | 4 |
| PLNT 0750 | Forage and Pasture Management | 4 |
| Total credit hours Option Core | | 7 |

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

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 |
|---|--|---------------------|
| Group 1: 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 3300 | Horse Production and Management | 3 |
| Group 2: 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 |
| Group 3: 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 |
| Group 4: 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 |
| Group 5: Select at least <u>one course</u> from the following: | | |
| ENTM 0610 | Beekeeping | 2 |
| ENTM 0620 | Insect Pest Management | 4 |
| Group 6: 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 |

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

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 ¹ | 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 |

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|-----------|---|---|
| ANSC 3300 | Horse Production and 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 |

¹ 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.