AGRIBUSINESS, B.SC.

Overview/Entrance Requirements

Agribusiness students specialize in the people component of agriculture. This begins with the consumer, ends with the producer and involves all those along the food chain. Food production and distribution is undertaken in a business environment and agribusiness is the study of decision-making within this setting. Graduates gain insight into the agribusiness environment through mastering concepts in economics, finance, marketing and management.

Degree Requirements

Course	Title	Hours
B.Sc. Agribusiness Degree Core		
ABIZ 1000	Introduction to Agribusiness Management	3
ABIZ/ECON 2390	Introduction to Environmental Economics	3
ABIZ 2510	Introduction to Agricultural and Food Marketing	3
ABIZ 2620	Agricultural Human Resource Management	3
or HRIR 2440	Human Resource Management	
ABIZ 2520	Introduction to Management Sciences	3
ABIZ 3080/ ECON 3040	Introduction to Econometrics	3
ABIZ 3510	Economics of Food Policy	3
ABIZ 4500	Agribusiness Strategies Seminar	3
ACC 1100	Introductory Financial Accounting	3
AGRI 1600	Introduction to Agrifood Systems	3
AGRI 2030	Technical Communications	3
AGRI 2400	Experimental Methods in Agricultural and Food Sciences	3
AGRI 4100	Current Issues in Agricultural Systems	3
ANSC 2500	Animal Production	3
BIOL 1020	Biology 1: Principles and Themes [1]	3
or BIOL 1000	Biology: Foundations of Life	
BIOL 1030	Biology 2: Biological Diversity, Function and Interactions [1]	3
or BIOL 1010	Biology: Biological Diversity and Interaction	
ECON 1010	Introduction to Microeconomic Principles	3
ECON 1020	Introduction to Macroeconomic Principles	3
ECON 2010	Microeconomic Theory 1	3
HNSC 1200	Food: Facts and Fallacies	3
or HNSC 1210	Nutrition for Health and Changing Lifestyles	
MATH 1210	Techniques of Classical and Linear Algebra [2]	3
or MATH 1300	Vector Geometry and Linear Algebra	
One of the following: [3]		3
MATH 1500	Introduction to Calculus	
MATH 1510	Applied Calculus 1	
MATH 1524	Mathematics for Management and Social Sciences	
PLNT 2500	Crop Production	3
Restricted Electives		
12 credit hours from Group 1 - Agribusiness		12
9 credit hours from Group 2 - Agrology [4]		9
Free Electives		
30 credit hours [5]		30
Total Hours		**120**

1. BIOL 1020 and BIOL 1030 are prerequisites for many Agrology courses.
2. Students are recommended to take one of MATH 1210 or MATH 1300 however may also substitute MATH 1220 to meet the requirement.
3. Students are recommended to take one of MATH 1500 or MATH 1510 or MATH 1524 however may also substitute MATH 1230 to meet the requirement. Students may use the former MATH 1520 to meet the MATH course requirement.
4. Or not taken from Group 1 above: i.e. cannot use the same course towards both group 1 and 2 restricted electives.
5. Students can apply for the Cooperative Education Program. Two work terms are required to graduate with Co-op designation. Co-op courses (3 credit hours each) are used towards free electives.

Restricted Electives

Group 1 - Agribusiness

Course	Title	Hours
ABIZ 3120	Commodity Futures Markets	3
ABIZ 3520	Food Distribution and International Merchandising (3-0:0-0)	3
ABIZ 3530	Farm Management	3
ABIZ 3540	Financial Risk Management	3
ABIZ 3550	Environmental Policy	3
ABIZ 4120	Intermediate Econometrics	3
ABIZ 4260	Price Analysis	3

Group 2 – Agrology

Course	Title	Hours
ABIZ XXXX	Any ABIZ course	
AGEC 2370	Principles of Ecology	3
AGRI 2300	Indigenous Issues in Food Systems	3
ANSC XXXX	Any ANSC course	
BIOE 3100	Agricultural Engineering Fundamentals for Agronomists	3
ENTM XXXX	Any ENTM except the following:	
ENTM 3162	Manitoba's Insect Fauna	
ENTM 4280	Aquatic Entomology	
ENTM 4500	Insect Taxonomy and Morphology	
FOOD XXXX	Any FOOD course except the following:	
FOOD 4100	Current Issues in Food and Human Nutrition	
FOOD 4230	Food Research	
PLNT XXXX	Any PLNT course except the following:	
PLNT 3140	Introductory Cytogenetics	
PLNT 4380	Plant Science Thesis	
SOIL XXXX	Any SOIL course	

Progression Plan

Suggested Agribusiness Program Progression

Course	Title	Hours
Year 1		
ABIZ 1000	Introduction to Agribusiness Management	3
AGRI 1600	Introduction to Agrifood Systems	3
BIOL 1020 or BIOL 1000	Biology 1: Principles and Themes or Biology: Foundations of Life	3
BIOL 1030 or BIOL 1010	Biology 2: Biological Diversity, Function and Interactions or Biology: Biological Diversity and Interaction	3
ECON 1010	Introduction to Microeconomic Principles	3
ECON 1020	Introduction to Macroeconomic Principles	3
HNSC 1200 or HNSC 1210	Food: Facts and Fallacies or Nutrition for Health and Changing Lifestyles	3
MATH 1210 or MATH 1300	Techniques of Classical and Linear Algebra or Vector Geometry and Linear Algebra	3
One of the following:		3
MATH 1500	Introduction to Calculus	
MATH 1510	Applied Calculus 1	
MATH 1524	Mathematics for Management and Social Sciences	
Free Elective		3
	Hours	**30**
Year 2		
ABIZ/ECON 2390	Introduction to Environmental Economics	3
ABIZ 2510	Introduction to Agricultural and Food Marketing	3
ABIZ 2520	Introduction to Management Sciences	3
ACC 1100	Introductory Financial Accounting	3
AGRI 2030	Technical Communications	3
AGRI 2400	Experimental Methods in Agricultural and Food Sciences	3
ANSC 2500	Animal Production	3
ECON 2010	Microeconomic Theory 1	3
PLNT 2500	Crop Production	3
Restricted/Free Electives/Co-op		3
	Hours	**30**
Year 3		
ABIZ 2620 or HRIR 2440	Agricultural Human Resource Management or Human Resource Management	3
ABIZ 3080/ ECON 3040	Introduction to Econometrics	3
ABIZ 3510	Economics of Food Policy	3
Restricted/Free Electives/Co-op		21
	Hours	**30**
Year 4		
ABIZ 4500	Agribusiness Strategies Seminar	3
AGRI 4100	Current Issues in Agricultural Systems	3
Restricted/Free Electives/Co-op		24
	Hours	**30**
	Total Hours	**120**

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.