

AGRIBUSINESS AND AGRICULTURAL ECONOMICS, M.SC.

Agribusiness & Agricultural Economics

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Academic Staff: Please refer to the Faculty of Agricultural and Food Sciences website (<https://umanitoba.ca/agricultural-food-sciences/agribusiness-and-agricultural-economics/agribusiness-and-agricultural-economics-faculty-and-staff/>)

Agribusiness & Agricultural Economics Program Information

The Master of Science thesis-based program consists of a combination of coursework and a research component.

A Ph.D. in Economics (Economics and Econometrics Stream) (<https://catalog.umanitoba.ca/graduate-studies/arts/economics-phd/>) with a research specialization in Agribusiness and Agricultural Economics is offered by the Department of Economics in the Economics and Econometrics Stream with the cooperation of the Department of Agribusiness and Agricultural Economics.

Pre-Master's Option

This unit offers a Pre-Master's program of study (<https://catalog.umanitoba.ca/graduate-studies/academic-guide/general-regulations-pre-masters/>). The Pre-Master's program of study is intended to bring a student's background up to the equivalent of the required 4-year degree in the major department/unit, and to provide the student with any necessary prerequisites for courses to be taken in the Master's program. Completing the Pre-Master's program does not guarantee acceptance to the Master's program.

Admission Information

Admission to the Faculty of Graduate Studies

Application and Admission Procedures are found in the Academic Guide (<https://catalog.umanitoba.ca/graduate-studies/academic-guide/application-admission-registration-policies/>).

Admission requirements for Master's students are found in the Master's Degrees General Regulations (https://catalog.umanitoba.ca/graduate-studies/academic-guide/masters-degrees-general-regulations/#Admission_FGSMasters) section of the Guide.

Agribusiness & Agricultural Economics M.Sc. Admission Requirements

Applicants normally require a Bachelor of Science in Agribusiness or a four year Bachelor's degree (or equivalent) in Economics. The following courses or their equivalents are prerequisites to the graduate program:

Course	Title	Hours
MATH 1300	Vector Geometry and Linear Algebra (or an equivalent course in Matrices and Linear Algebra)	3
MATH 1500	Introduction to Calculus (or an equivalent course in Calculus)	3
ECON 2010	Microeconomic Theory 1 (or an equivalent course in microeconomics)	3
ECON 2020	Macroeconomic Theory 1 (or an equivalent course in macroeconomics)	3
ABIZ 3080	Introduction to Econometrics (or an equivalent course in econometrics)	3
The following courses are not required, but may be recommended:		
ECON 3010	Microeconomic Theory 2 (or an equivalent course in microeconomics)	
ECON 3020	Macroeconomic Theory 2 (or an equivalent course in macroeconomics)	

Application Information

Students should complete and submit their online application with supporting documentation by the date indicated on the Agribusiness & Agricultural Economics M.Sc. program of study (<https://umanitoba.ca/explore/programs-of-study/agribusiness-and-agricultural-economics-msc/>) page.

Degree Requirements

The M.Sc. program has three streams:

1. Agricultural Economics
2. Agribusiness
3. Environmental and Resource Economics

All students will be automatically entered into the Agricultural Economics stream and will require approval to move into the Agribusiness or Environmental and Resource Economics streams. Within each stream there is a thesis and a comprehensive option.

Thesis Route

Students must complete a minimum of 18 credit hours of coursework. Of these 18 credit hours, a minimum of 9 credit hours must be at the 7000 level. Other coursework will normally be at the 7000 level as well. Any exceptions to specific course requirements must be approved by the Department Graduate Advisory Committee (DGAC). Students must submit an acceptable thesis and pass a thesis oral examination as well as present two graduate seminars open to the public. The first presentation will be on the thesis proposal, and the second presentation will be on the completed research. The thesis must be in the area of the student's selected stream.

Comprehensive Examination Route

Students must complete a minimum of 27 credit hours of coursework with at least 18 credit hours at the 7000 level. Other course work will normally be at the 7000 level as well. Any exceptions to specific course requirements must be approved by the Department Graduate Advisory

Committee (DGAC). All students in the comprehensive option must complete a research paper and pass a comprehensive examination based primarily on the paper. These students must present a graduate seminar open to the public based on the completed research. The research paper must be in the area of the student's selected stream.

Expected Time to Graduate: 2 years

Progression Chart

Thesis Route

Agricultural Economics Stream

Course	Title	Hours
GRAD 7300	Research Integrity Tutorial	0
GRAD 7500	Academic Integrity Tutorial	0
Select one of the following:		3-6
ABIZ 7940 & ABIZ 7950	Production Economics and Advanced Agricultural Demand Analysis	
ECON 7722	Advanced Microeconomic Theory I	
XXXX 7XXX	Quantitative Methods (Econometrics, Management Science, or Statistics as approved by Advisor)	
Select additional courses as approved by Advisor		9-12
GRAD 7000	Master's Thesis	0
Total Hours		12-18

Agribusiness Stream

Course	Title	Hours
GRAD 7300	Research Integrity Tutorial	0
GRAD 7500	Academic Integrity Tutorial	0
ABIZ 7410	Agricultural Finance	3
XXXX 7XXX	Additional courses in Agribusiness or related area as approved by Advisor	6
XXXX 7XXX	Quantitative Methods (Econometrics, Management Science, or Statistics) as approved by Advisor	3
Select additional courses as approved by Advisor		6
GRAD 7000	Master's Thesis	0
Total Hours		18

Environmental and Resource Economics Stream

Course	Title	Hours
GRAD 7300	Research Integrity Tutorial	0
GRAD 7500	Academic Integrity Tutorial	0
Select one of the following:		3-6
ABIZ 7940 & ABIZ 7950	Production Economics and Advanced Agricultural Demand Analysis	
ECON 7722	Advanced Microeconomic Theory I	
XXXX 7XXX	Quantitative Methods (Econometrics, Management Science, or Statistics) as approved by Advisor	3
ABIZ 7430	Advanced Theory of Resource Economics	3
Select an additional course related to Environment and Resources as approved by Advisor		3
Select additional course(s) as approved by Advisor		3-6
GRAD 7000	Master's Thesis	0
Total Hours		15-21

Comprehensive Examination Route

Agricultural Economics Stream

Course	Title	Hours
GRAD 7300	Research Integrity Tutorial	0
GRAD 7500	Academic Integrity Tutorial	0
Select one of the following:		3-6
ABIZ 7940 & ABIZ 7950	Production Economics and Advanced Agricultural Demand Analysis	
ECON 7722	Advanced Microeconomic Theory I	
XXXX 7XXX	Quantitative Methods (Econometrics, Management Science, or Statistics) as approved by Advisor	3
Select additional courses as approved by Advisor		18-21
GRAD 7010	Comprehensive Examination	0
Total Hours		24-30

Agribusiness Stream

Course	Title	Hours
GRAD 7300	Research Integrity Tutorial	0
GRAD 7500	Academic Integrity Tutorial	0
ABIZ 7410	Agricultural Finance	3
XXXX 7XXX	Additional courses in Agribusiness or related area as approved by Advisor	6
XXXX 7XXX	Quantitative Methods (Econometrics, Management Science, or Statistics) as approved by Advisor	3
Select additional courses as approved by Advisor		15
GRAD 7010	Comprehensive Examination	0
Total Hours		27

Environmental and Resource Economics Stream

Course	Title	Hours
GRAD 7300	Research Integrity Tutorial	0
GRAD 7500	Academic Integrity Tutorial	0
Select one of the following:		3-6
ABIZ 7940 & ABIZ 7950	Production Economics and Advanced Agricultural Demand Analysis	
ECON 7722	Advanced Microeconomic Theory I	
XXXX 7XXX	Quantitative Methods (Econometrics, Management Science, or Statistics) as approved by Advisor	3
ABIZ 7430	Advanced Theory of Resource Economics	3
Select an additional course related to Environment and Resources as approved by Advisor		3
Select additional courses as approved by Advisor		12-15
GRAD 7010	Comprehensive Examination	0
Total Hours		24-30

Registration Information

Students should familiarize themselves with the Faculty of Graduate Studies 'GRAD' courses applicable to their program (<https://catalog.umanitoba.ca/graduate-studies/registration-information/>). If you have questions about which GRAD course(s) to register in, please consult your home department/unit.

New and returning students must meet with their program advisor to determine courses prior to registration. Courses must be listed on the departmental approval form available from the Graduate Studies Assistant, and written approval granted from both the advisor and the

department head or designate. Students may only register for courses listed and approved at that time. Any course revisions (additions and/or withdrawals) must be approved in the same manner. The signed form must be submitted to the Graduate Studies Assistant, who will then complete the registration process.

Not all courses are offered each year.

Regulations

Students must meet the requirements as outlined in both Supplementary Regulation and BFAR documents as approved by Senate.

Supplementary Regulations

Individual units may require specific requirements above and beyond those of the Faculty of Graduate Studies, and students should consult unit supplementary regulations (<https://umanitoba.ca/graduate-studies/supplementary-regulations/>) for these specific regulations.

Bona Fide Academic Requirements (BFAR)

Bona Fide Academic Requirements (BFAR) (<https://catalog.umanitoba.ca/graduate-studies/academic-guide/academic-performance-general/#BFAR>) represent the core academic requirements a graduate student must acquire in order to gain, and demonstrate acquisition of, essential knowledge and skills.

All students must successfully complete:

- GRAD 7300 prior to applying to any ethics boards which are appropriate to the student's research or within the student's first year, whichever comes first; and
- GRAD 7500 within the first term of registration;

unless these courses have been completed previously, as per Mandatory Academic Integrity Course (<https://catalog.umanitoba.ca/graduate-studies/academic-guide/academic-performance-general/#GRAD7500>) and Mandatory Research Integrity Online Course (<https://catalog.umanitoba.ca/graduate-studies/academic-guide/academic-performance-general/#GRAD7300>).

Students must also meet additional BFAR requirements (<https://umanitoba.ca/graduate-studies/student-experience/core-academic-requirements/#additional-requirements-by-program>) that may be specified for their program.

General Regulations

All students must:

- maintain a minimum degree grade point average of 3.0 with no grade below C+,
- meet the minimum and not exceed the maximum course requirements, and
- meet the minimum and not exceed the maximum time requirements (in terms of time in program and lapse or expiration of credit of courses).