

AGRICULTURAL AND APPLIED ECONOMICS: PROFESSIONAL OPTION, M.S.

REQUIREMENTS

MINIMUM GRADUATE SCHOOL REQUIREMENTS

Review the Graduate School minimum academic progress and degree requirements (<http://guide.wisc.edu/graduate/#policiesandrequirements>), in addition to the program requirements listed below.

NAMED OPTION REQUIREMENTS MODE OF INSTRUCTION

Face to Face	Evening/ Weekend	Online	Hybrid	Accelerated
Yes	No	No	Yes	Yes

Mode of Instruction Definitions

Accelerated: Accelerated programs are offered at a fast pace that condenses the time to completion. Students typically take enough credits aimed at completing the program in a year or two.

Evening/Weekend: Courses meet on the UW–Madison campus only in evenings and/or on weekends to accommodate typical business schedules. Students have the advantages of face-to-face courses with the flexibility to keep work and other life commitments.

Face-to-Face: Courses typically meet during weekdays on the UW–Madison Campus.

Hybrid: These programs combine face-to-face and online learning formats. Contact the program for more specific information.

Online: These programs are offered 100% online. Some programs may require an on-campus orientation or residency experience, but the courses will be facilitated in an online format.

CURRICULAR REQUIREMENTS

Requirement Detail

Minimum Credit Requirement 30 credits

Minimum Residence Credit Requirement 16 credits

Minimum Graduate Coursework Requirement 15 credits must be graduate-level coursework. Details can be found in the Graduate School’s Minimum Graduate Coursework (50%) policy (<https://policy.wisc.edu/library/UW-1244>).

Overall 3.00 GPA required.
 Graduate GPA This program follows the Graduate School's policy: <https://policy.wisc.edu/library/UW-1203> (<https://policy.wisc.edu/library/UW-1203/>).

Other Grade Requirements Students must earn a B or above in all core curriculum coursework.

Assessments and Examinations n/a

Language Requirements No language requirements.

REQUIRED COURSES

Code	Title	Credits
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Optional summer entry course (by permission of dept)

A A E 670	Mathematics for Agricultural and Applied Economics	3
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Year 1 - Fall Semester

A A E 635	Applied Microeconomic Theory	3
A A E 636	Applied Econometric Analysis I	3
A A E 720	Seminar in Quantitative and Applied Economics	1

A A E Professional Option Elective (see list below)		Up to 4 credits
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Year 1 - Spring Semester

A A E 637	Applied Econometric Analysis II	4
A A E 721	Professional Communication of Applied Economic Analysis	1

Complete one of the following:

A A E 625	Agribusiness Economics and Management	
A A E 706	Applied Risk Analysis	
A A E 719	Applied Business Economics	

Year 1 - Summer Semester

A A E 718	Data Science for Agricultural and Applied Economics	3
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Year 2 - Fall Semester

A A E 722	Machine Learning in Applied Economic Analysis	4
A A E 723	Professional Development Seminar	1
A A E 724	Practicum for Applied Economists	4

Total Credits 30

A A E Professional Option Electives

Code	Title	Credits
A A E 319	The International Agricultural Economy	3
A A E 320	Agricultural Systems Management	3
A A E 322	Commodity Markets	4
A A E 323	Cooperatives and Alternative Forms of Enterprise Ownership	3
A A E 335	Introduction to Data Analysis using Spreadsheets	2
A A E/ECON/ ENVIR ST 343	Environmental Economics	3-4

A A E/AGRONOMY/ NUTR SCI 350	World Hunger and Malnutrition	3
A A E 352	Global Health: Economics, Natural Systems, and Policy	4
A A E/ECON 371	Energy, Resources and Economics	3
A A E/INTL ST 373	Globalization, Poverty and Development	3
A A E/INTL ST 374	The Growth and Development of Nations in the Global Economy	3
A A E 375	Special Topics	1-4
A A E 419	Agricultural Finance	3
A A E/ECON 421	Economic Decision Analysis	4
A A E 422	Food Systems and Supply Chains	3
A A E/ECON/ INTL BUS 462	Latin American Economic Development	3
A A E/ECON 473	Economic Growth and Development in Southeast Asia	3
A A E/ECON 474	Economic Problems of Developing Areas	3
A A E/ECON 477	Agricultural and Economic Development in Africa	3
A A E/REAL EST/ URB R PL 520	Community Economic Analysis	3
A A E/ECON 526	Quantitative Methods in Agricultural and Applied Economics	4
A A E/ECON/ F&W ECOL 531	Natural Resource Economics	3
A A E/M H R 540	Intellectual Property Rights, Innovation and Technology	3
A A E/ECON/ ENVIR ST/ URB R PL 671	Energy Economics	3
A A E 706	Applied Risk Analysis	3
A A E 719	Applied Business Economics	3
A A E 737	Applied Econometric Analysis III	3
A A E/CIV ENGR/ ENVIR ST/ URB R PL 561	Energy Markets	3
A A E 625	Agribusiness Economics and Management	3
A A E 641	Foundations of Agricultural Economics	3
A A E 642	Foundations of Development Economics	3
A A E 643	Foundations of Environmental and Natural Resource Economics	3

Students in this program may not take courses outside the prescribed curriculum without faculty advisor and program director approval. Students in this program cannot enroll concurrently in other undergraduate or graduate degree programs.