

AGRICULTURAL AND APPLIED ECONOMICS: PROFESSIONAL OPTION, MS

REQUIREMENTS

MINIMUM GRADUATE SCHOOL REQUIREMENTS

Review the Graduate School minimum degree requirements (<https://guide.wisc.edu/graduate/#requirementstext>) and policies (<https://guide.wisc.edu/graduate/#policiestext>), in addition to the program requirements listed below.

NAMED OPTION REQUIREMENTS

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. Refer to the Graduate School: Minimum Graduate Coursework (50%) Requirement policy: https://policy.wisc.edu/library/UW-1244 (https://policy.wisc.edu/library/UW-1244/).

Overall	3.00 GPA required.
Graduate GPA Requirement	Refer to the Graduate School: Grade Point Average (GPA) Requirement policy: https://policy.wisc.edu/library/UW-1203 (https://policy.wisc.edu/library/UW-1203/).
Other Grade Requirements	Students must earn grades of B or above in all core curriculum coursework.
Assessments and Examinations	n/a
Language Requirements	No language requirements.

REQUIRED COURSES

Code	Title	Credits
Core Course Requirement		
A A E 636	Applied Econometric Analysis I	3
A A E 635	Applied Microeconomic Theory	3
or A A E 625	Agribusiness Economics and Management	
A A E 637	Applied Econometric Analysis II	4
or A A E 719	Applied Business Economics	
Data Science Requirement		
A A E 718	Data Science for Agricultural and Applied Economics	3
Seminar Requirement		
A A E 720	Seminar in Quantitative and Applied Economics	1
A A E 721	Professional Communication of Applied Economic Analysis	1
A A E 723	Professional Development Seminar	1
Practicum / Internship requirement		
Students must complete at least 4 credits from one of the following courses.		4-6
A A E 724	Practicum for Applied Economists	
or A A E 899	AAE Graduate Practical Training/Internship	
Electives Requirement		
Students must complete additional elective coursework to meet the 30-credit minimum requirement. Refer to the Elective Course Options table below.		8-10
Total Credits		30

Elective Course Options

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/ NUTR SCI 350	World Hunger and Malnutrition	3
A A E 352	Global Health: Economics, Natural Systems, and Policy	4

AAE/ECON 371	Energy, Resources and Economics	3
AAE/INTL ST 373	Globalization, Poverty and Development	3
AAE/INTL ST 374	The Growth and Development of Nations in the Global Economy	3
AAE 375	Special Topics	1-4
AAE 419	Agricultural Finance	3
AAE/ECON 421	Economic Decision Analysis	4
AAE 422	Food Systems and Supply Chains	3
AAE/ECON/ INTL BUS 462	Latin American Economic Development	3
AAE/ECON 473	Economic Growth and Development in Southeast Asia	3
AAE/ECON 474	Economic Problems of Developing Areas	3
AAE/ECON 477	Agricultural and Economic Development in Africa	3
AAE/REAL EST/ URB R PL 520	Community Economic Analysis	3
AAE/ECON 526	Quantitative Methods in Agricultural and Applied Economics	4
AAE/ECON/ F&W ECOL 531	Natural Resource Economics	3
AAE/M H R 540	Intellectual Property Rights, Innovation and Technology	3
AAE 601	Applied Economics ¹	3
AAE 625	Agribusiness Economics and Management	3
AAE 670	Mathematics for Agricultural and Applied Economics ¹	3
AAE/ECON/ ENVIR ST/ URB R PL 671	Energy Economics	3
AAE 706	Applied Risk Analysis	3
AAE 719	Applied Business Economics	4
AAE 737	Applied Econometric Analysis III	3
AAE/CIV ENGR/ ENVIR ST/ URB R PL 561	Energy Markets	3
AAE 641	Foundations of Agricultural Economics	3
AAE 642	Foundations of Development Economics	3
AAE 643	Foundations of Environmental and Natural Resource Economics	3
AAE 722	Machine Learning in Applied Economic Analysis	4

¹ Recommended summer entry course

Other Policy

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.