

MASTER OF SCIENCE IN AGRICULTURAL AND RESOURCE ECONOMICS, PLAN A

Requirements Effective Fall 2026

Code	Title	Credits
Core Courses		
AREC 506/ECON 506	Applied Microeconomic Theory	3
AREC 507	Applied Welfare and Policy Analysis	3
AREC 535/ECON 535	Applied Econometrics	3
ECON 501	Quantitative Methods for Economists	3
Methods Courses		
Select one from the following:		3
AREC 615	Optimization Methods for Applied Economics	
AREC 635/ ECON 635	Econometric Theory I	
Field Courses		
Select one group from the following:		3-6
Group A:		
AREC 540/ ECON 540	Environmental and Natural Resource Economics	
Group B:		
AREC 605	Agricultural Production and Cost Analysis	
AREC 610	Agricultural Marketing and Demand Analysis	
Electives		
Elective courses can come from any course at the 300-level or higher, cannot be considered prerequisites to enter the MS program, and should be agreed upon by the student's advisor. The most commonly taken elective courses have AREC and ECON prefixes. Additionally, courses from the Statistics, Applied Statistics, and Mathematics departments as well as with GRAD prefix are commonly taken.		3-6
Thesis		
AREC 699	Thesis ¹	6
Program Total Credits:		30

A minimum of 30 credits are required to complete this program.

¹ Thesis/Defense: Students must pass the final Oral Examination. Details concerning defense procedures can be found in the Department Graduate Handbook (<https://agsci.colostate.edu/dare/wp-content/uploads/sites/141/2025/07/Graduate-Student-Handbook-Fall-2024-1.pdf>).