



PHD – AGRICULTURAL AND RESOURCE ECONOMICS

A minimum of 72 semester credits are required (42 credits required following a 30-credit M.S. degree)

Core Courses (required by end of 2nd year):		
AREC 615 Optimization Methods for Applied Economics [FA]		3
<i>Prereq: AREC 506</i>		
AREC/ECON 635 Econometric Theory I [FA]		3
<i>Prereq: AREC 535 or ECON 535; ECON 501</i>		
AREC/ECON 735 Econometric Theory II [SP]		3
<i>Prereq: AREC 635 or ECON 635. Credit not allowed for both AREC 735 & ECON 735</i>		
AREC/ECON 736 Advanced Econometric Methods: A (Discrete Choice Models) or B (Panel Data Models)		1
<i>Prereq: AREC or ECON 735 or concurrent registration</i>		
AREC/ECON 606 Microeconomic Analysis I [SP]		3
<i>Prereq: ECON 306 and ECON 501</i>		
AREC/ECON 706 Microeconomic Analysis II [FA]		3
<i>Prereq: ECON 606</i>		
AREC 570/ECON 530 Methodology of Economic Research [FA]		3
<i>Prereq: ECON 304; ECON 306 Credit not allowed for both AREC 570 & ECON 530</i>		
ECON 501 Quantitative Methods for Economists [FA]		3
<i>Prereq: MATH 144 or 155 or 160</i>		
ECON 504 Applied Macroeconomics (or other graduate level macro course) [SP]		3
<i>Prereq: ECON 304 & ECON 306</i>		
		25
Agricultural Economics Field Courses		
AREC 605 Agricultural Production & Cost Analysis [SP]		2
<i>Prereq: AREC 506; AREC 535 or ECON 535</i>		
AREC 610 Agricultural Marketing & Demand Analysis [SP]		2
<i>Prereq: AREC 506; AREC 535 or ECON 535</i>		
AREC 705 Advanced Production & Technological Change [FA, even year]		2
<i>Prereq: AREC 706 or ECON 706 or concurrent registration; AREC 735 or ECON 735; AREC 605</i>		
AREC 710 Advanced Agricultural Marketing Issues [FA, even year]		2
<i>Prereq: AREC 706 or ECON 706 or concurrent registration; AREC 735 or ECON 735; AREC 610</i>		
		8
Natural Resources Field Courses		
AREC 540 Environmental & Natural Resource Economics [SP]		3
<i>Prereq: AREC/ECON 506</i>		
AREC 740 Advanced Natural Resource Economics [Fall, odd year]		3
<i>Prereq: AREC 706 or ECON 706</i>		
AREC 741 Advanced Environmental Economics [Spring, odd year]		3
<i>Prereq: AREC 706 or ECON 706</i>		
		9
Elective Courses: (Credits to fulfill total credit requirement):		
300 & 400 level acceptable but need to be approved; however 300-level with AREC & ECON prefixes are not admissible.		
AREC/ECON 506 Applied Microeconomic Theory [FA]		3
<i>Prereq: ECON 306</i>		
AREC 507 Applied Welfare & Policy Analysis [SP]		3
<i>Prereq: ECON 306</i>		
AREC 528 Applied Agribusiness Decision Tools [FA, even year]		2
<i>Prereq: AREC 305 or AREC 408 or FIN 305</i>		
AREC/ECON 535 Applied Econometrics [FA]		3
<i>Prereq: AREC/ECON 335; ECON 304 or ECON 306</i>		
AREC 542 Advanced Water Resource Economics [SP]		3
<i>Prereq: AREC 342; ECON 306; MATH 141 or 155 or 160; STAT 301</i>		
AREC 570/ECON 530 Methodology of Economic Research [FA]		3
<i>Prereq: ECON 304; ECON 306</i>		
AREC/ECON 606 Microeconomic Analysis I [SP]		3
<i>Prereq: ECON 306 & ECON 501</i>		
AREC/ECON 647 Land Use & Spatial Modeling [FA, odd year]		3
<i>Prereq: AREC/ECON 506; AREC/ECON 535</i>		
AREC 660 Development of Research-based Economies [SP]		3
<i>Prereq: AREC/ECON 506</i>		
AREC 736 Advanced Econometric Methods:		
A (Discrete Choice Models) OR		1
B (Panel Data Models) OR		1
C (Time Series Models)		1

[FA] offered in fall; [SP] offered in spring (course offerings subject to change)

_____	AREC/ECON 540, AREC 605; AREC 610; AREC 705; AREC 740; AREC 741: <i>one or more courses from this list, if not taken as field above.</i>	2-9
_____	AREC 795 Independent Study	1-18
_____	AREC 799 Dissertation [maximum of 12 credits]	1-18

_____ Minimum 42 credits earned in 500-level or above courses beyond the B.S. degree, with a minimum of 30 earned in regular graduate courses (i.e., not independent studies or research).

_____ May apply an approved Master's degree for up to 30 credits toward Ph.D. requirements provided such degree fulfills course requirements analogous to the Ag & Resource Economics M.S. program offered by DARE. Transfer of such credits will be assessed on a case by case basis by the Chair of the Graduate Program.

_____ Maximum 12 dissertation credits.

_____ At least 32 credits earned at CSU after admission to Ph.D. program.

_____ Maximum of 10 credits in courses earned after the date on which an M.S. degree was awarded may be accepted in transfer if approved by the student's advisory committee, the department, and the Graduate School. Transfer credits are only allowable for completed courses receiving a grade of B or better (3.0 grade points), in accordance with the substitution policy.

_____ At least 9 credits must be earned at CSU at the 700 level in AREC or ECON classes, not including AREC 784, 795, and 799.