

ENERGY, ENVIRONMENTAL, AND FOOD ECONOMICS

Degree Requirements

Master of Science (M.S.)

Requirements listed here are in addition to Graduate Council policies listed under GCAC-600 Research Degree Policies. (<https://gradschool.psu.edu/graduate-education-policies/>)

A minimum of 30 credits at the 500 and 600 level is required for the EEFE M.S. degree, including 6 credits of research (EEFE 600 or EEFE 610). Courses taken to remove deficiencies in preparation may extend the minimum number of credits required. A minor is not required. EEFE M.S. students are required to write a thesis and to pass a final oral examination as part of the requirements for the degree. The thesis must be accepted by the advisers and/or committee members, the head of the graduate program, and the Graduate School.

Code	Title	Credits
Required Courses		
EEFE 510	Econometrics I	3
EEFE 511	Econometrics II	3
EEFE 512	Applied Microeconomic Theory I	3
EEFE 527	Quantitative Methods I	3
EEFE 529	Foundations of Economic Welfare Analysis	3
Electives		
9 credits of field electives taught at the 500 level. These courses will be chosen in consultation with the student's academic adviser and cannot include readings or independent study courses (596s).		9
Culminating Experience		
EEFE 600 or EEFE 610	Thesis research	6
Total Credits		30

M.S. degree students must complete Scholarship and Research Integrity (SARI) Training (10 hours).

Doctor of Philosophy (Ph.D.)

Requirements listed here are in addition to Graduate Council policies listed under GCAC-600 Research Degree Policies. (<https://gradschool.psu.edu/graduate-education-policies/>)

Students in the EEFE Ph.D. program will be required to complete 36 credits of course work at the 500- and 600-level, write and successfully defend a second year paper, write and successfully defend a Ph.D. dissertation, and pass a qualifying examination and a comprehensive examination. The dissertation must be accepted by the Ph.D. committee, the head of the graduate program, and the Graduate School.

Course work requirements include 21 credits of core course work, at least 12 credits of field courses, and 3 credits of elective courses selected from a list of approved electives maintained by the program office.

Code	Title	Credits
Required Courses		
ECON 502	Microeconomic Analysis ¹	3
EEFE 510	Econometrics I	3

EEFE 511	Econometrics II	3
ECON 521	Advanced Microeconomic Theory	3
EEFE 527	Quantitative Methods I	3
AEREC 533	Rural Development Research Methods and Topics	3
EEFE 529	Foundations of Economic Welfare Analysis	3

Ph.D. Field Course Requirements

Two fields consisting of a minimum of 6 credits each from designated courses.	12
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Energy Economics, Policy and Systems

ENNEC 540	Economic Analysis of Energy Markets
ENNEC 560	Empirical Research in Energy Economics and Policy

Environment and Natural Resource Economics

EEFE 519	Resource and Environmental Economics I
EEFE 541	Resource and Environmental Economics II

Food Industrial Organization

AEREC 503	Agricultural Marketing
EEFE 536	Economics of Food Behavior and Health

Electives

A minimum of 3 credits at the 500 level, of which 3 credits must be selected from the following list:

EEFE 531 or ENNEC 541	Applied Microeconometrics I	3
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Total Credits	36
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1 Students selecting the Energy Systems Field may petition to substitute EME 501 for ECON 502.

Ph.D. degree students must also complete Scholarship and Research Integrity (SARI) Training (10 hours).