

ECOLOGICAL ECONOMICS CGS

All students must meet the Requirements for the Certificates of Graduate Study

OVERVIEW

Ecological Economics is a transdisciplinary field that examines the relationships between ecological and economic systems while working to solve humanity's current environmental challenges. It is based on the understanding that the economy is a subsystem of a larger ecological life support system, and it strives to create an ecologically sustainable, socially equitable, and economically efficient future. The certificate is a problem-based, interdisciplinary program focused on developing a practical framework for integrating economic and ecological systems. Students will acquire a theoretical and pragmatic basis to carry these skills into the world of practice.

SPECIFIC REQUIREMENTS

Requirements for Admission to Certificate of Graduate Study in Ecological Economics

FOR CURRENT UVM STUDENTS: If you are currently enrolled in a UVM master's or doctoral program, complete the Certificate of Graduate Study Short-Form Application and attach a brief statement (200-500 words) explaining why you are interested in the Certificate program. Have your academic advisor sign the form. If you are not in RSENr, have your Graduate Program Coordinator sign the form. If the program you are in did not require GRE scores for admission, you must provide them with the application to the Certificate Program. Give the original to the RSENr Dean's Office. The Dean's Office will send this on for the last two signatures.

FOR DUAL GRADUATE DEGREE/CERTIFICATE PROGRAM APPLICANTS: Students applying at the same time for both a regular graduate degree program and also for a Certificate of Graduate Study at UVM must complete the online UVM Graduate Application. GRE scores are required.

FOR APPLICANTS TO CERTIFICATE PROGRAM: Applicants seeking to enroll in just a Certificate of Graduate Study program must complete the online UVM Graduate Application and all associated requirements. Note: You must have completed an advanced degree (Master's, Ph.D., or J.D.) to apply for just the certificate and the GRE is not required.

Minimum Degree Requirements

Students may earn the certificate either in conjunction with a UVM master's or doctoral degree, or independent of a degree.

The Certificate of Graduate Study in Ecological Economics requires fifteen credits, including three core courses and two approved electives, one in each of two different competency areas. Students must demonstrate competency in four areas: Natural Science, Social Science, Management, and Quantitative Methods. Two of the competencies (six credits) are taken as electives through certificate course work at UVM. The remaining two competencies are typically

demonstrated as prerequisites prior to enrolling in the certificate by appropriate graduate course work at UVM or elsewhere, or by life experience. If prerequisites are not met prior to application, a student may be provisionally admitted with the understanding that the prerequisite(s) be taken at UVM prior to completion of the certificate.

The Certificate of Graduate Study in Ecological Economics requires fifteen graduate credits that must be taken at UVM. They are distributed as follows¹.

Three core courses (nine credits total):		
NR 341	Ecological Economic Theory	
NR 395	Special Topics (Ecological Economics Practice (various course titles))	
PA 308	Decision Making Models	
Elective courses that meet the competencies include but are not limited to:		
Natural Science:		
BIOL 264	Community Ecology	
NR 280	Stream Ecology	
PSS 212	SU: Advanced Agroecology	
WFB 279	Marine Ecology & Conservation	
Social Science:		
CDAE 354	Advanced Microeconomics	
FS 345	SU: Food Systems, Soc & Policy	
NR 377	Land Use Policy & Economics	
PA 311	Policy Analysis & Program Eval	
Management:		
BSAD 307	Organization & Mgmt Studies	
NR 378	Integrating Analyses NR Issues	
PA 317	Systems Anly & Strategic Mgmt	
TRC 312	Sustainability & Transportatn	
Quantitative Methods:		
CDAE 250	Applied Research Methods	
NR 242	Adv Geospatial Techniques	
STAT 211	Statistical Methods I	

¹ The 15 credits that need to be taken at UVM may be earned either in conjunction with or independent of a UVM graduate degree program.

More information on the Certificate is available from the Gund Institute website.