ECOLOGICAL ECONOMICS CGS

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

OVERVIEW

Ecological Economics examines the relationships between ecological and economic systems while working to solve humanity’s 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.

The Ecological Economics Certificate of Graduate Study is managed jointly by the Rubenstein School and the Gund Institute, and is conferred by the Graduate School.

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. If the program you are in did not require GRE scores for admission, you must provide them with the application to the Certificate Program. Review the form with the Gund Institute Research Coordinator. Have your academic advisor and your Graduate Program Coordinator sign the form. 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 a graduate degree program and 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 only 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. Students must also demonstrate competency in four areas: Natural Science, Social Science, Management, and Quantitative Methods. Two of the competencies must be satisfied through two elective courses (six credits) at UVM. The remaining two competencies may be satisfied through additional electives, through appropriate prior graduate course work, or through life experience.

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

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NR 341</td>
<td>Ecological Economic Theory</td>
<td>3</td>
</tr>
<tr>
<td>NR 351</td>
<td>Ecological Economics Methods</td>
<td>3</td>
</tr>
<tr>
<td>NR 352</td>
<td>Ecological Economics Practice</td>
<td>3</td>
</tr>
</tbody>
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Examples of Courses that can be taken to meet the competencies:

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 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 Analy & Strategic Mgmt
- TRC 312 Sustainability & Transportatn

Quantitative Methods:
- NR 242 Adv Geospatial Techniques
- STAT 211 Statistical Methods I

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.