

COLLABORATORS

The Agroecology Program at Florida International University's Department of Earth & Environment is implemented in collaboration with Miami-Dade College, the Archbold Biological Station's MacArthur Agro-Ecology Research Center, the U.S. Department of Agriculture's Agricultural Research Service, St. Thomas University, Universidad Interamericana de Puerto Rico, and Miami-Dade County Public Schools.



FOR MORE INFORMATION

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Visit our website!

<http://agroecology.fiu.edu>

MAIN FEATURES OF THE PROGRAMS

- 18-credit Agroecology Certificate
- Biofuels science education
- Student Scholarships & Internships
- High School Students Internship
- High School Teachers' Workshop
- Field Trips and Professional Development Training
- Campus Organic Garden & Student Garden Club and MANRRS club
- Annual Agroecology Symposium



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FLORIDA INTERNATIONAL UNIVERSITY

DEPARTMENT OF EARTH AND ENVIRONMENT



AGROECOLOGY PROGRAM

PURPOSE

The Agroecology Program at Florida International University is an innovative curricular program designed to provide students with an opportunity to focus on issues in agriculture both at the farm level and at the regional landscape level. The program consists of specialized agroecology courses, field trips, summer internship, and specialized training workshops for high school teachers. Students and participants will be exposed to a intellectual and practical learning environment, and to agricultural agencies and research institutions, such as the USDA's Agricultural Research Service and the Archbold Biological Station.

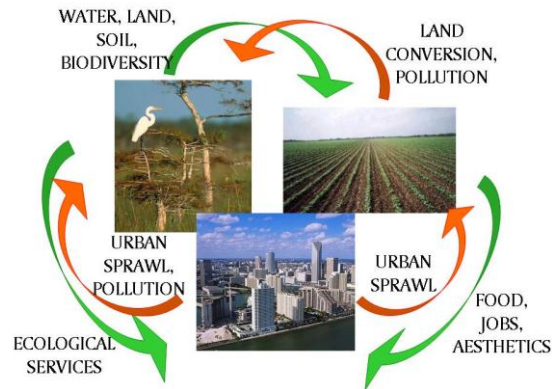
Students will enhance their understanding of the function and productivity of on-farm agricultural systems, as well as the scientific underpinnings of broad spatial agricultural issues including:

- Urban agriculture & community gardens
- Regional water resources issues
- Community-supported agriculture
- Geo-spatial analysis of agricultural resources and ecosystem impacts



PROGRAM FOCUS

The focus of this program is on the triangular interface between agriculture, natural ecosystems, and urban areas. The image below depicts the underlying connections and some positive and negative feedback effects.



Hispanic-Serving Institutions Agriculture Education

This program recruits and trains students from communities under-represented in agricultural sciences and natural resource management, providing up to \$24,000 in scholarship for each student. It offers an 18-credit hour Agroecology Certificate Program, supports student travel and research, teaching workshops for high school teachers, summer internships at USDA, and field tours. Graduates have worked on local farms, at USDA and other agro-ecological research stations, traveled abroad, and attended national conferences.

Multicultural Scholars in Agriculture

This program trains outstanding undergraduates for careers in the globally competitive US food and agriculture industry, while enhancing multicultural diversity. Scholars complete a 4-year degree and the Agroecology Certificate, receiving up to \$26,000 in scholarships, and have work opportunities with USDA and other agencies. Students gain skills required for careers in food and agriculture.

National Needs Fellows

This program trains outstanding graduate fellows at the Masters' level. While enrolled in the Master of Sciences in Environmental Studies degree program, candidates will conduct research in the areas of soil microbiology, soil science, natural resource economics, agroecology and sustainable agriculture, population genetics, land use change and urban ecology, water resources, GIS applications in sustainable agriculture, and/or forest resources.

