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4-10-2013

UMass Boston School for the Environment: Educating the next generation of environmental problem solvers

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Recommended Citation

Hannigan, Robyn and Frankic, Anamarija, "UMass Boston School for the Environment: Educating the next generation of environmental problem solvers" (2013). *Office of Community Partnerships Posters*. 111. https://scholarworks.umb.edu/ocp_posters/111

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UMass Boston School for the Environment

Educating the next generation of environmental problem solvers

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Summary

Environmental challenges do not recognize disciplinary, socio-economic, or geographic boundaries. To support the development of environmental problem-solvers we deeply engage undergraduate and graduate students in solving real-world environmental problems through innovation and sustainability-focused courses and research experiences. These experiences directly engage local communities in the development and implementation of environmental solutions.

Goals and Objectives

A curriculum that engages students in the environmental disciplines providing core training in the natural sciences and the social sciences.



Hands-on experience in the field and laboratory working on locally important environmental problems with global connections.



Impacts

Integrating community-based research through partnerships with agencies and community organizations.



Serving the communities around Boston Harbor.



Solving local problems with local communities.



Providing that 'missing link' between green education, green job and green economy.

Approaches and Methods

- Environmental problem solving from first year Gateway Seminar to senior Capstone.
- Locally engaged across the world.
- Integrated human-natural systems training.
- Direct linkages to community expertise.



Next Steps



Environmental Action Teams.

Science in Service to the Community.

Applying sustainable Solutions.



SFE Community Partners



SFE University Partners

College of Advancing and Professional Studies.
 Center for Governance and Sustainability.
 Urban Harbors Institute.
 Collaborative Institute for Oceans, Climate, and Security.