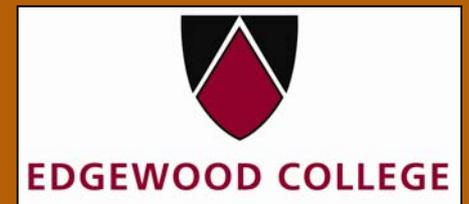# Sustainability Leadership
Graduate Certificate Program

An opportunity for personal and professional transformation

EDGEWOOD COLLEGE

Preparing for Work in a Changing Economy: Education and Training for Green Jobs

US Department of Labor Definition of "Green Jobs"

Broadly defined, green jobs are jobs involved in economic activities that help protect or restore the environment or conserve natural resources These economic activities generally fall into the following categories: 1. Renewable energy. Research on and development, production, storage, and distribution of energy (electricity, heat, and fuel) from renewable sources, including hydropower, wind, biomass (including biofuels and biogas), geothermal, solar energy, tidal energy, hydrogen fuel cells, and other renewable sources. 2. Energy efficiency. Research on and development and implementation of energy conservation technologies and practices, including production of energy efficient products, cogeneration, and increasing the energy efficiency of production processes, distribution, construction, installation, and maintenance. 3. Greenhouse gas reduction. Research on and development and implementation of technologies and practices to reduce greenhouse gas emissions through approaches other than renewable energy generation and energy conservation. Includes generation of electricity from nuclear sources and reduction of greenhouse gas emissions in electricity generation from fossil fuels. 4. Pollution reduction and cleanup. Research on and development and implementation of technologies and practices to reduce the emission of pollutants and remove pollutants and hazardous waste from the environment. 5. Recycling and waste reduction. Research on and development and implementation of technologies and practices to collect and recycle materials and waste water. 6. Agricultural and natural resources conservation. Research on and development and implementation of technologies and practices to reduce the environmental impact of agricultural production and improve natural resources conservation, including reducing use of chemical fertilizers and pesticides, soil and water conservation, sustainable forestry, land management, and wildlife conservation. 7. Education, compliance, public awareness, and training. Activities to increase public awareness of environmental issues; activities to develop and enforce environmental regulations; and providing training in the application of ``green'' technologies and practices. These economic activities result in the production of green goods and services. BLS has defined these to include four types: 1. Direct green goods and services. A good or service that is produced specifically for the purpose of protecting or restoring the environment or conserving natural resources. (Examples include pollution control equipment and weatherizing buildings.) 2. Indirect green goods and services. Selected goods and services not included in 1 above that are produced for another purpose, but when produced, consumed, or scrapped have a favorable impact on protecting the environment or conserving natural resources relative to other goods or services generally used for the same purpose. (Examples include electricity produced from renewable sources, non-polluting dry cleaning services, hybrid vehicles, and mercury-free batteries.) BLS is considering using Federal product ratings or standards, where they exist, to determine which goods and services to include in this category. Such standards will be used to provide an objective method to distinguish green goods and services from other goods or services generally used for the same purpose. These standards will also help BLS clearly communicate to respondents what goods and services they produce that should be reported on the planned survey, and to communicate to data users what products and services are represented in the resulting data on associated jobs. Examples of such Federal standards include USDA Certified Organic and Energy Star. Well established and widely recognized industry standards also may be used, to the extent they are objective and empirically measurable. An example of such an industry standard is the Leadership in Energy and Environmental Design (LEED) Green Building Rating System. A potential limitation of using these types of labeling programs is that they are voluntary and some employers may not participate although they may in fact meet the standards. Indirect green goods include goods containing recycled inputs, such as primary metals containing scrap inputs, and remanufactured goods, such as retreaded tires. Goods containing recycled inputs are generally limited to those produced at the stage where the recycled input is introduced. (For example, steel containing scrap input is included as a green good, but hand tools made from such steel are not included.) Indirect green goods also include organic agricultural products and processed organic products that carry the USDA Certified Organic designation. (Examples include organic produce and canned organic vegetables.) 3. Specialized inputs. A good or service that is a specialized input to production of a direct or indirect green good or service included in categories 1 or 2 above. (Examples include USDA-approved fertilizers for organic crops, wind turbine blades, and mass transit rail cars.) 4. Distribution of green goods. Services that specialize in distributing green goods included in categories 1, 2, or 3 above, including: (a) Transportation and warehousing services, (b) wholesale and retail trade services, (c) rental and leasing services, and (d) restaurants and food services.

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Edgewood College
Sustainability Leadership Graduate Program

People with "Green Jobs" are Change Agents!

- Making a difference
- Leading the change
- Realizing new possibilities

- Educators
- Non-profit
- Government
- Private sector

EDGEWOOD COLLEGE

Edgewood College
Sustainability Leadership Graduate Program

- Interdisciplinary, real-world approach
- Project-based curriculum
- Cohort model, 1 year 15-credit certificate program
- Classes scheduled to accommodate working adults
- Scholarships available

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Sustainability Leadership Graduate Program

- Transformational ethical leadership skills
- Applying principals of sustainability for positive change
- Environmental, social and economic resilience
- Systems thinking
- Participatory decision-making

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Sustainability Leadership Graduate Program

- Frameworks and models for organizations and communities
  - The Natural Step
  - Permaculture
  - Biomimicry
  - Green building (e.g. LEED)
- Accounting
  - Sustainability Indicators
- Transparency
  - Reporting Frameworks

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Sustainability Leadership Graduate Program

- Enrollment limited to 20 – 22 students

- 2nd week in August, 8-day intensive residential experience

- Fall and Spring classes meet alternate Saturdays

- Summer Capstone, with final presentations to incoming cohort

- www.edgewood.edu

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Thank you!

For more information:

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