

GREEN CAREERS

what do you want to be when you grow up?

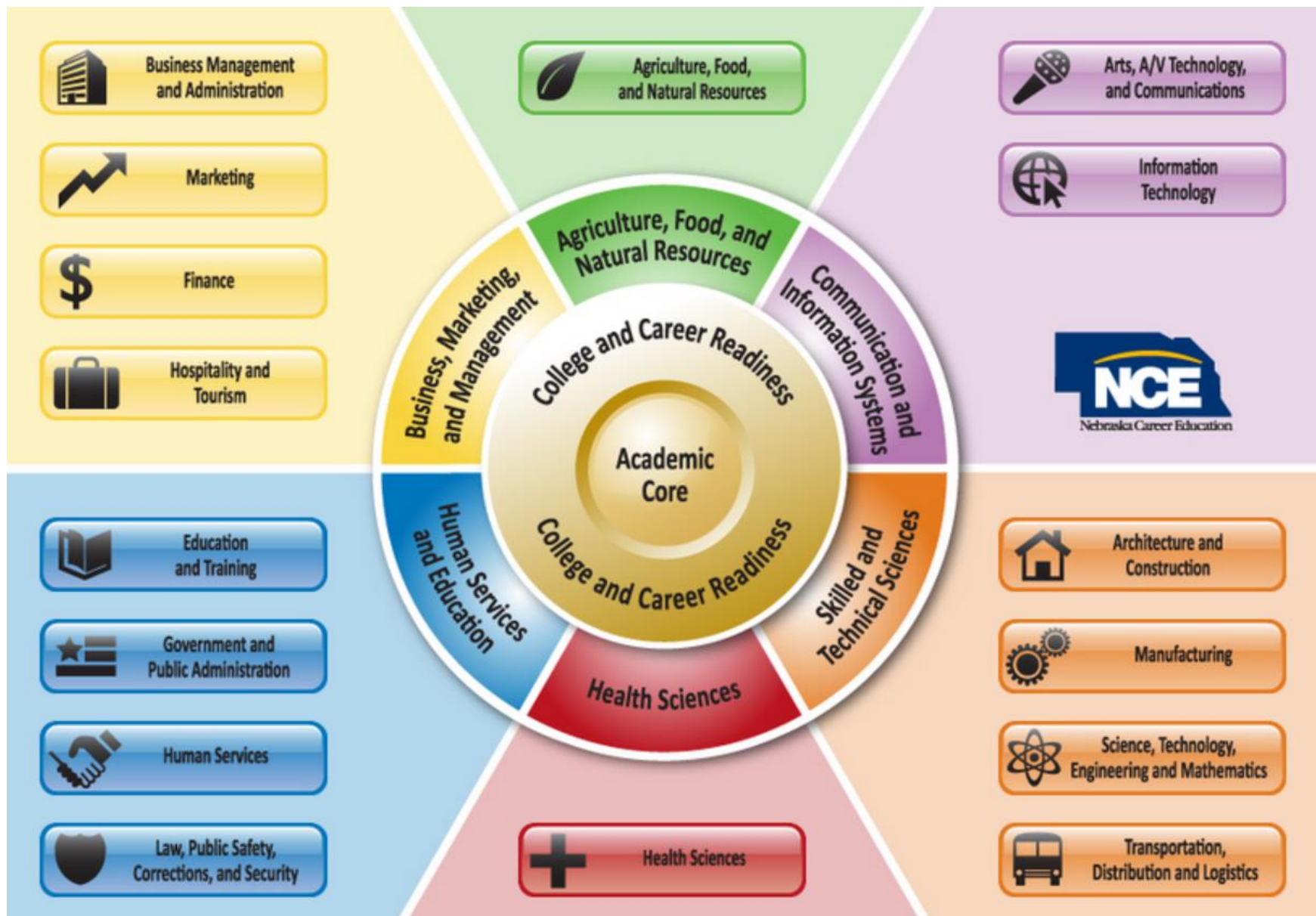
“Green” Careers Defined:

- Those that produce goods or services that benefit the environment or conserve natural resources, or jobs in which workers' duties involve making their establishment's production processes more environmentally friendly or use fewer natural resources.

(Bureau of Labor Statistics)

Green Careers

- In 2011, green jobs accounted for just 2.6% of all employment BUT a comparison with 2010 data shows that these jobs grew at a rate almost 5 times faster than of all the others combined (*Bureau of Labor Statistics*)



Business / Sales / Management



- BioGreenChoice Corp.
- Manufactures high quality environmentally friendly green packaging products—specialized in biodegradable and compostable food service packaging and disposable products for use in hospitals, corporate cafeterias, Universities, restaurants, schools, and homes etc.
- All BioGreenChoice products are made from renewable resources like sugarcane, corn etc.

Chem. / Micro. / Bio.—Water Treatment

- Celina Water Treatment Plant
- The removal of contaminants and pathogens from a source water with the goal of making the water safe for human consumption
- Ohio EPA sets regulatory standards that water treatment facilities are required to meet
- Potential Contaminants
 - Mineral Hardness (Calcium, Magnesium, Iron)
 - Bacteria (E Coli, Cyanobacteria)
 - Herbicides/Pesticides/Fertilizers
 - Pharmaceuticals (Human and agricultural)
 - Nitrates/Nitrites (Blue Baby Syndrome)
 - Turbidity (sediment, organic material)
 - Algae and other aquatic organisms



Political Science / Architecture / Urban Planning

- Miami Valley Regional Planning Commission
- Connecting people to their community
- Bike paths
- RTA



Natural Resources Management

- Forestry Management—ODNR Forestry Div.
 - Ohio has 21 state forests with 200,000 acres
 - 87% of forest in Ohio is privately owned
- Work with public and private land owners
- Media interface



Engineering—Sustainable Design

- Heapy Engineering
- Making buildings more “green”
 - Lighting
 - Plumbing
 - Heating and cooling
 - Green roofs



Engineering—Alt. Energy Research

- University of Dayton Research Institute
- Renewable energy research projects
 - Solar energy harvesting / storage
 - Fuel cell from Aluminum cans



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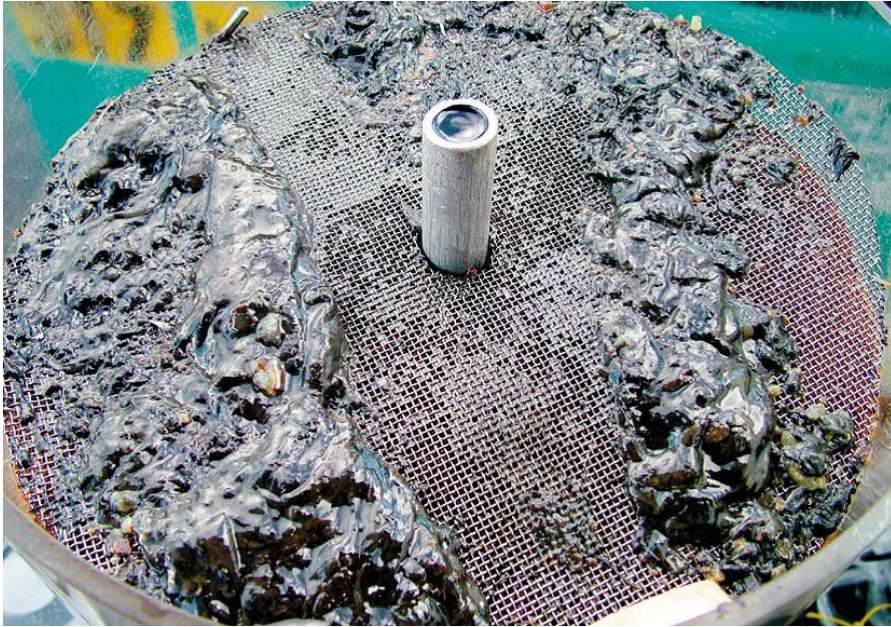
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Environmental Law

- Collective term describing international treaties, statutes, regulations, and legislation that operates to regulate the interaction of humanity and the natural environment, toward the purpose of reducing the impacts of human activity
 - Clean Air Act
 - Clean Water Act
 - Endangered Species Act
 - Toxic Substances Control Act
- Variable undergraduate degrees
- Law school = 3 years

My own experiences within this field...

Post-Graduation work with Air Force



Environmental Education

- Land Lab
- Public programming
- Summer Camps
- Outreach
- Pre-K head start program

Skills/Interests

- Organization
- Public Speaking
- Likes to spend time outdoors in all seasons
- Enthusiastic
- Flexibility
- Creativity
- Knowledge of plants and animals

Education Requirements

- Highly variable
- Bachelor's degree
 - Biology
 - Natural Resources Management
 - Environmental Science
 - Early Childhood Education

Compensation & Challenges

- Extremely competitive
- Difficult to find a full time job
- Salary is variable
 - Often relates to experience, education, and the size of the organization
 - Minimum wage hourly to \$60k annually