

From catastrophic changes in climate to polluted air and waterways, global environmental shifts are having a devastating impact on urban areas. The quality of life for vulnerable residents is particularly compromised by the lack of clean air and water, affordable public transportation, and a safe, healthy food system. The good news is that these problems have solutions.

The Urban Sustainability Program will provide you with the knowledge, power, and skills to promote sustainable policies and practices in your neighborhood and beyond. The program examines the dynamics between social and natural systems, as well as the trade-offs among environmental, social, and economic sustainability. Brooklyn College's metropolitan setting gives you the opportunity to observe firsthand the issues affecting our cities and devise plans that foster environmental protection, social equity, and economic vitality.

Having the advantage of learning about sustainability from this holistic perspective, you will graduate from the program exceptionally prepared to make our cities, and the world, healthier and more livable.

The Urban Sustainability Program takes a unique interdisciplinary approach by offering concentrations in economics and business management, environmental science, and sociology. Alongside your coursework, you will learn how to use our geographic information system (GIS) laboratory to produce and analyze data to solve urban sustainability problems.

Field trips have included community gardens, local beaches and waterways, public transportation facilities, and city parks.

The Faculty

The faculty is composed of members of the Biology, Business Management, Earth and Environmental Sciences, Economics, Philosophy, and Sociology departments. They are highly experienced researchers and consultants in the areas of environmental protection, environmental justice, and sustainable development. Their expertise will provide you with a firm foundation for meeting the environmental challenges impacting urban landscapes.

The Future

The necessity for individuals who are well versed in such issues as clean air and water, renewable energy, green space preservation, public healthcare, and public transportation is expanding.

In 2010, the Bureau of Labor Statistics projected 22% growth in environmentally related jobs over the next decade. In 2011, the green job market grew four times faster than every other industry combined and American investment in the clean energy industry increased by 42% over the previous year. This growth is only expected to escalate, with careers thriving in the following areas:

- **green business and management for solar energy, recycling, and wind power industries**
- **resource management**
- **environmental public policy and advocacy**
- **city environmental coordination**

For more information about the Urban Sustainability Program and to find out about how to apply, please visit our website brooklyn.cuny.edu/sustainability or contact the Director of the Urban Sustainability Program at rboger@brooklyn.cuny.edu

Brooklyn College
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CUNY The City University of New York



Your passion for environmental issues can help save your city. We'll show you how.

URBAN SUSTAINABILITY

AT BROOKLYN COLLEGE



Steering Committee

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Unifying Courses

(40.5–41.5 credits)

- SUST 1001 **Introduction to Urban Sustainability (3)**
- BIOL 1001 **General Biology I (4.5)**
- SOCY 1101 **Introduction to Sociology (3)**
- EESC 1201 **Introduction to Environmental Science (3)**
- SUST 2001W **Urban Sustainability Theory (3)**
- ECON 2200 **Elementary Microeconomics (3)**
- SOCY 2201 **Sociology of the Environment (3)**
- BIOL 3038 **Principles of Ecology (3)**

ECON 3254 **Ecological Economics and Sustainable Development (3)**

PHIL 3309 **Environmental Ethics (3)**

EESC 2400 **Introduction to Geographic Information Systems (3)**

SUST 4001 **Capstone in Urban Sustainability (3)**

One quantitative methods course:

ECON/BUSN 3400 **Introduction to Economic and Business Statistics (4)**

OR

EESC 2600 **Statistics and Data Analysis in Geosciences (3)**

OR

SOCY 2112 **Research Methods II (4)**



Concentration in Economics and Business Management

(12 credits; 53.5 total)

ECON 3202 **Intermediate Microeconomics (3)**

ECON 4400W **Advanced Economic and Business Statistics (3)**

Two of the following courses:

ECON 3232 **Urban Economics (3)**

ECON 3252 **Environmental and Natural Resource Economics (3)**

BUSN 3180 **Green Business (3)**

BUSN 3181 **Advanced Topics in Green Business (3)**

BUSN 3182 **Green Real Estate (3)**

Concentration in Environmental Science

(15-17 credits; 55.5-57.5 total)

CHEM 1040 **General Chemistry for Health Related Professions (5)**

OR

CHEM 1100 **General Chemistry (3)**

OR

EESC 3100 **Introduction to Geochemistry (3)**

AND

EESC 3600 **Hydrogeology of Water Resources (3)**

EESC 4310 **Coastal Watersheds and Estuaries (3)**

EESC 4325 **Environmental Aspects of Urban Soils (3)**

EESC 4275 **Meteorology (3)**

Concentration in Sociology

(12 credits; 53.5 total)

SOCY 2701 **Sociology of Science and Technology (3)**

SOCY 3202 **Race, Class, and Environmental Justice (3)**

SOCY 3204 **Urban Sociology (3)**

SOCY 3205 **Sociology of Globalization and Sustainability (3)**