

SUSTAINABLE URBAN ENVIRONMENTS (SUE)

1. GENERAL INFORMATION

Program Director: Richard Wener

Program Advisors: Richard Wener, Jonathan Soffer

Sustainable Urban Environments provides a balanced liberal arts education with a focus on the social and technical issues that must be addressed to maintain healthy and satisfying urban life for city dwellers. The billions of people living in cities need to have clean water and air, housing, healthy and secure living conditions, adequate transportation and education. City builders must understand the technical challenges and possibilities and the social and historical contexts in which they exist. This program brings together technology, planning, economics, psychology, and history. In addition to **General Education** courses, students take a set of **Urban Core** courses to provide breadth in understanding of urban issues; and take courses in an **Area of Concentration** (or identify and create their own with their advisor from available courses an independent study options) relating to **Human & Social Systems in the Urban Context**.

Our world is urban. Sustainable urban growth is not a luxury; **it is a necessity**. Some of the most innovative work in the country – whether it be in eco-friendly construction or in creative approaches to economic development – are happening right here in Brooklyn, in New York City.

We live in New York City, one of the **biggest urban laboratories** in the country. Gotham is the penultimate 21st century globalizing city. If you are interested in questions of labor management, financial capitalism, transportation management, skyscraper development, or any other aspect of urbanization, you are in the right place.

We have the **resources** to tackle technical, engineering, *and* historical issues.

Careers you might pursue after a degree in Sustainable Urban Environments:

- Urban planning
- Historical preservation
- Civil engineering
- Architecture
- Law
- Social work
- Education
- Museum curator
- Journalism

2. BACHELOR OF SCIENCE DEGREE REQUIREMENTS

The requirements for the Sustainable Urban Environments major consist of 32 courses, 126 credits, divided into four parts:

2.1. General Education Requirement (17 courses, 68 credits)

EN 1014 or 1034: Writing and the Humanities
EN 1204: Writing and the Humanities II
HI 2104: Modern World History
General Math Elective
General Science Electives (2)
HuSS Electives (3)
Tech Courses (3) [EG1004 and 2 technical electives]
Free Electives (5)

2.2. Liberal Studies Requirement (6 courses, 24 credits)

All HuSS majors sit for the LA seminars. The implementation of the LA project courses is major-specific.

(A) LA Seminar Courses

LA 1014 - Introduction to History and Philosophy of Technology
LA 1024 - Technology, Computers and Values
LA 2014 - Technology and the Human Condition

(B) LA Project Courses

LA 3014 - Directed Study (*purpose*: exposure to research methods in major field).
LA 4014 - Internship/Study Abroad (*purpose*: exposure to life outside Ivory Tower).
LA 4024 - Capstone Project (*purpose*: significant original research in major field).

2.3. Urban Core (5 courses, 18 credits)

Base of 5 courses as orientation to urban issues/approaches

HI 3034: History of the Urban Infrastructure
LA 3024: The Design of Cities
CE 4033: Introduction to Urban Infrastructure Systems Management
CE 4043: Sustainable Cities
PO 1404: Introduction to Urban Policy

2.4. Urban Concentration (4 courses, 16 credits)

Human & Social Systems in the Urban Context

HI 2514: History of New York City
PS 3704: Humans & The Environment
PS 3324: Environmental Psychology
SO 3334: Environmental Sociology
PS 3724: Psychology of Sustainability
HI 3044: Ancient Urban Infrastructure
HI 3064: Global Housing
HI 2504: International Urban History
PS 3344: Urban Impact Assessment
CE 3353: A History of NYC Transit and the Development of NYC
Summer Travel Courses such as... Urban Solutions in New York and Paris

Total 126 credits

3. SAMPLE SCHEDULE

Freshman Fall

Course	Course Title	Cr.
EN 1014	Writing and the Humanities I	4
LA 1014	Intro Hist & Phil of Tech	4
EN 1004	Intro Engineering & Design	4
	General Science Elective 1	4
	Total Credits	16

Freshman Spring

Course	Course Title	Cr.
EN 1204	Writing and the Humanities II	4
LA 1024	Technology, Computers, & Values	4
HI 2104	Modern World History	4
	Urban Core 1	4
	Total Credits	16

Sophomore Fall

LA 2014	Tech & the Human Condition	4
	Urban Core 2	4
	Tech Elective 1	4
	General Science Elective 2	4
	Total Credits	16

Sophomore Spring

LA 3014	Project 1: Directed Study	4
	Urban Core 3	4
	Tech Elective 2	4
	General Math Elective	4
	Total Credits	16

Junior Fall

	Free elective 1	4
	Urban Core 4	4
	HuSS Elective 1	4
	Urban Concentration 1	4
	Total Credits	16

Junior Spring

LA 4014	Project 2: Internship/Study Abroad	4
	HuSS Elective 2	4
	Urban Concentration 2	4
	Free Elective 2	4
	Total Credits	16

Senior Fall

	Urban Concentration 3	4
	Free Elective 3	4
	Urban Core 5	4
	Free Elective 4	4
	Total Credits	16

Senior Spring

LA 4024	Project 3: Capstone	4
	Urban Concentration 4	4
	HuSS Elective 3	4
	Free Elective 5	4
	Total Credits	16