

SUSTAINABILITY AND GLOBAL ENERGY PRACTICE (MS)

Department Website (<https://www.sps.nyu.edu/explore/degrees-and-programs/ms-in-sustainability-and-global-energy-practice.html>)

NYSED: 44895 HEGIS: 2299.00 CIP: 30.3301

Program Description

The MS in Sustainability and & Global Energy Practice is a professional, practitioner-oriented program that prepares students to develop and implement comprehensive, cross-disciplinary sustainability solutions across a wide range of economic sectors, including the private sector, government, academia, philanthropies, and NGOs.

The program provides students with a broad understanding of the field of sustainability while also emphasizing critical applied sustainability practice tools, such as sustainability data and analytics, management systems, and communications. Courses are taught by industry practitioners and scholars who will bring practical, real-world methodologies and frameworks to the classroom.

Students will have a cross-disciplinary awareness of economic and social factors that influence sustainability; a detailed understanding of energy systems, environmental impacts, and mitigation strategies; and proficiency in using data to inform sustainability decisions, which will enable them to be well-equipped to contribute to sustainable development efforts across various sectors, combining technical expertise with a strong understanding of the broader social, economic, and environmental implications of sustainability initiatives.

Admissions

Admission to master's programs at the NYU School of Professional Studies requires the completion of a U.S. bachelor's degree or its international equivalent. Admissions decisions are made through a holistic review process. Visit the SPS Admissions website (<https://www.sps.nyu.edu/homepage/admissions/admissions-criteria-and-deadlines/graduate-programs.html>) for detailed application requirements and deadlines.

Program Requirements

The program requires the completion of 30 credits, comprised of the following:

Course	Title	Credits
Core Courses		
<i>Students are required to take all courses</i>		12
SUST1-GC 1000	Sustainability Performance Metrics and Evaluation	
SUST1-GC 1001	Energy Systems and Sustainability Policy	
SUST1-GC 1003	Fundamentals of Sustainability	
DEVE1-GC 2105	Green Building & Sustainable Development	
Elective Course		

Students select 5 electives from the following list. If students identify NYU Graduate courses offered by another Department or School for which they would like to receive approval to use as an elective, they should contact their Academic Advisor

SUST1-GC 2000	Climate Communications
SUST1-GC 2001	Carbon Accounting: Greenhouse Gas Measurement and Reporting
GLOB1-GC 2430	Energy and the Environment
GLOB1-GC 2486	Energy Modeling
SUST1-GC 2100	Consulting Practicum
SUST1-GC 3000	Advanced Colloquium
GLOB1-GC 2420	The Economics and Finance of Energy
GLOB1-GC 3065	Fundamentals of ESG and Impact Investing: Understanding and Measuring Social and Environmental Impact
GLOB1-GC 2405	Energy, Environment, and Resource Security
GLOB1-GC 2445	Global Electricity Markets and Policy
GLOB1-GC 2485	Global Climate Finance
GLOB1-GC 2410	The Geopolitics of Energy
GLOB1-GC 2518	Geographic Information Systems for Global Affairs
GLOB1-GC 2490	Energy and Sustainability Management for Portfolios: Putting Policy into Practice
GLOB1-GC 2440	Sustainable Development
GLOB1-GC 2492	Fighting for the Rainforest: Sustainable Development and Environmental Justice in Amazon
GLOB1-GC 2281	Hunger and Development: The Politics of Global Food Security
GLOB1-GC 2125	Clean Technology: Developments, Trends, and Opportunities
GLOB1-GC 2546	Infrastructure Security and Resilience
GLOB1-GC 2130	The Integration of Profit & Purpose: Corporate Social Responsibility, Sustainability
GLOB1-GC 2151	Monitoring, Evaluation and Learning for Global Affairs
GLOB1-GC 2515	Applied Statistics and Data Analysis
GLOB1-GC 2516	Advanced Data Analysis for Global Affairs
GLOB1-GC 2491	Introduction to Environmental Peacebuilding
GLOB1-GC 2390	Gender, Politics and the State in Development

GLOB1-GC 2386	Gender & Migration
GLOB1-GC 2525	Water, Politics, Sustainability, and Opportunities
GLOB1-GC 2146	Beyond GDP: New Metrics for a Global Economy
GLOB1-GC 2660	Financial Inclusion in Practice: A Toolset for the Digital Age
GLOB1-GC 2590	Mobilizing for Social Change: Organizing Effectively
GLOB1-GC 2540	Climate Change and Human Rights
GLOB1-GC 3035	Analytic Skills for Global Affairs
MSPM1-GC 1000	Principles of Project Management
MSPM1-GC 1015	Organizational Ethics
TCTM1-GC 3345	Sustainability, CSR and Impact Planning
DEVE1-GC 1010	Land Use & Environmental Regulation
DEVE1-GC 3015	Affordable Housing Finance and Development
DEVE1-GC 1025	Construction Methods & Technology
DEVE1-GC 1060	The Development Process
Capstone	
<i>Students are required to complete the capstone course listed below</i>	
SUST1-GC 5000	Graduate Capstone Project
Total Credits	

30

Sample Plan of Study

Course	Title	Credits
1st Semester/Term		
SUST1-GC 1003	Fundamentals of Sustainability	3
SUST1-GC 1000	Sustainability Performance Metrics and Evaluation	3
SUST1-GC 1001	Energy Systems and Sustainability Policy	3
DEVE1-GC 2105	Green Building & Sustainable Development	3
Credits		12
2nd Semester/Term		
GLOB1-GC 2420	The Economics and Finance of Energy	3
GLOB1-GC 2485	Global Climate Finance	3
GLOB1-GC 2445	Global Electricity Markets and Policy	3
Credits		9
3rd Semester/Term		
SUST1-GC 5000	Graduate Capstone Project	3
GLOB1-GC 2125	Clean Technology: Developments, Trends, and Opportunities	3
SUST1-GC 2001	Carbon Accounting: Greenhouse Gas Measurement and Reporting	3
Credits		9
Total Credits		30

Course	Title	Credits
1st Semester/Term		
SUST1-GC 1000	Sustainability Performance Metrics and Evaluation	3
SUST1-GC 1003	Fundamentals of Sustainability	3
Credits		6
2nd Semester/Term		
SUST1-GC 1001	Energy Systems and Sustainability Policy	3
DEVE1-GC 2105	Green Building & Sustainable Development	3
Credits		6
3rd Semester/Term		
GLOB1-GC 2125	Clean Technology: Developments, Trends, and Opportunities	3
GLOB1-GC 2405	Energy, Environment, and Resource Security	3
Credits		6
4th Semester/Term		
GLOB1-GC 2420	The Economics and Finance of Energy	3
GLOB1-GC 2485	Global Climate Finance	3
Credits		6
5th Semester/Term		
GLOB1-GC 2445	Global Electricity Markets and Policy	3
SUST1-GC 5000	Graduate Capstone Project	3
Credits		6
Total Credits		30

Learning Outcomes

Upon successful completion of the program, graduates will:

1. Demonstrate Comprehensive Knowledge of Sustainability and Global Energy Principles
2. Apply Quantitative and Qualitative Analytical Tools to Sustainability and Energy Challenges
3. Identify and Implement Cross-Disciplinary Strategies for Sustainability Solutions
4. Communicate Complex Sustainability and Energy Concepts to Diverse Audiences
5. Exhibit leadership skills and innovative thinking necessary for decision making in Sustainability and Energy

Policies

NYU Policies

University-wide policies can be found on the New York University Policy pages (<https://bulletins.nyu.edu/nyu/policies/>).

School of Professional Studies Policies

Additional academic policies can be found on the School of Professional Studies academic policy pag (<https://bulletins.nyu.edu/graduate/professional-studies/academic-policies/>)e (<https://bulletins.nyu.edu/graduate/professional-studies/academic-policies/>).