



Enterprise Learning at Polytechnic Institute of NYU



POLYTECHNIC INSTITUTE OF NYU

SUSTAINABILITY LEADERSHIP CERTIFICATE ADVISORY BOARD

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Sustainability Leadership Certificate

How do we meet present needs without compromising the ability of future generations to meet their needs? In an effort to inform future leaders, NYU Poly, in collaboration with John Wiley & Sons Publishers and The New York Times Knowledge Network, has created the Sustainability Leadership Program to educate and train professionals. Stressing the interdisciplinary nature of sustainability and relating theory to practice and implementation, participants leave the program equipped with the tactical skills necessary to develop and implement sustainable practices throughout their organization nationally and globally, as well within the local community.

This program is intended for:

- * Executives, managers, and professionals working in industry, government, and non-profit sectors.
- * All functional areas: finance, management, marketing, engineering, facilities or product/service development.
- * Those tasked with projects that encompass going green, implementing public policy around sustainability, addressing environmental health and safety, or addressing corporate wide sustainability programs.

CURRICULUM

Select any eight modules to build your program. All courses are customizable.

Module: Introduction to Sustainability

Participants will be able to:

- * Understand the engineering, technology and science of sustainability
- * Perform a sustainable life cycle analysis
- * Measure, meter, and control a resource from beginning to end.
- * Understand the impact, benefits, and best practices of sustainability

Module: Sustainability Leadership

Participants will be able to:

- * Write a sustainability plan and implement strategic vision
- * Understand the mathematical, engineering, and technical pathways to sustainable leadership
- * Establish sustainable goals and measurements, and perform methods of implementation
- * Establish an organizational culture in which sustainability is institutionalized.

Module: Managing the Sustainable Enterprise

Participants will be able to:

- * Measure an organization's environmental, social and economic impact - the "triple bottom line"
- * Understand legal developments and ethical considerations involving sustainability
- * Establish sustainable goals, including methods of implementation

Module: Global Sustainability and Corporate Responsibility

Participants will be able to:

- * Develop a strategy for sustainable global development
- * Understand the effect of global protocols and conventions on development strategies
- * Anticipate and manage a global corporation's social and environmental issues, and its effect on a community.
- * Measure an organization's environmental, social and economic impact - the "triple bottom line"
- * Establish sustainable goals, including methods of implementation
- * Establish an organizational culture in which sustainability is institutionalized





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FOR MORE INFORMATION

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CURRICULUM (continued)

Module: Measuring Environmental and Climate Risk in Your Organization

Participants will be able to:

- * Measure an organization's environmental, social and economic impact - the "triple bottom line"
- * Establish sustainable goals, including methods of implementation
- * Employ tools to mitigate climate change
- * Use technological and mathematical tools to measure environmental and climate risk

Module: Science and Engineering of Sustainability

Module: The Sustainable Supply Chain: Purchasing and Procurement

Participants will be able to:

- * Think in terms of the life cycle of products and services
- * Purchase and maintain products and facilities while improving an organization's carbon footprint and impacts on human health and ecosystems.
- * Understand major certifications and ecolabels, and how to use them.
- * Establish metrics for measuring success

Module: Building and Managing Sustainability Teams

Participants will be able to:

- * Form and facilitate both internal and external teams
- * Engage and train employees in sustainable practices
- * Identify innovative sustainable partnerships
- * Engage in sustainable advocacy through these partnerships
- * Establish a team culture in which sustainability is institutionalized
- * Establish metrics for measuring success

Module: Sustainability and Technology

Participants will be able to:

- * Identify sustainable building design and materials
- * Utilize sustainable energy systems
- * Purchase, use, and recycle sustainable technology and materials
- * Understand technological methods for implementing sustainable goals.
- * Perform strategic methods of implementing and institutionalizing sustainable technology.

Module: Accounting for Sustainability

Participants will be able to:

- * Understand sustainable reporting principles and concepts
- * Perform financial reporting, disclosure requirements, and decision making related to the environmental activities of organizations.

Module: Economics of Sustainability

Participants will be able to:

- * Understand economic concepts and theories for analyzing sustainable development
- * Utilize roles and practices of the business, government and nonprofit sectors in fostering sustainability
- * Understand metrics for measuring success

Module: Sustainability in Hypergrowth and Developing Economies

Participants will be able to:

- * Understand the sustainability issues directly affecting hypergrowth economies

Partners

