

# SUSTAINABLE ENVIRONMENTAL SYSTEMS, ADVANCED CERTIFICATE

---

\*Starting Fall 2024

The nine-credit Advanced Certificate in Sustainable Environmental Systems provides students from any discipline or field with a curriculum focused at the intersection of science, policy and design, via courses examining the scientific, design, and policy frameworks, systems management tools and approaches that underlie transdisciplinary sustainability practices, as addressed through the lenses of systems thinking and environmental and climate justice. Developed from the curriculum of Pratt's rigorous, STEM designated MS in Sustainable Environmental Systems program, the Advanced Certificate is available both to those pursuing a Pratt graduate degree in any discipline and wanting an additional credential upon graduation, as well as those interested in a stand-alone certificate to enhance career options or to use as a bridge to a graduate degree. Students may pursue a concentration in a number of systems tools and approaches, or focus on policy or economic frameworks.

Code	Title	Credits
<b>CORE Courses:</b>		
Must take BOTH		6
MSCI-610	Science of Sustainability	
SES-631	Sustainable Communities	
<b>Elective Courses:</b>		
Choose 3 credits.		3
SES-635A	Solid Waste Management	
SES-635B	Environmental Management: Water Quality	
SES-635C	Urban Energy Management	
SES-755	Greening Existing Building	
SES-762	Sustainable Urban Agriculture	
SES-632	Environmental Economics	
SES-633A	Environmental Law	
SES-633B	Environmental Assessment: Impact Statements	
SES-634A	Climate Change & Cities	
SES-634B	Sustainability Indicators Footprint	
SES-634C	Life Cycle Analysis	
SES-761B	Waterfront & Wetland Planning Principles/Best Practices	
SES-761A	Watershed Planning	
<b>Total Credits</b>		<b>9</b>