ANNOUNCING OUR NEWLY LAUNCHED

Sustainable Engineering Graduate Program

Professional Master of Science

> *Offered on-campus and can be combined with another MS program to earn dual degrees*

WHY STUDY SUSTAINABLE ENGINEERING AT THE UNIVERSITY OF PITTSBURGH?

The Mascaro Center for Sustainable Innovation (MCSI) continues its reputation for being a world leader in sustainable engineering by offering a Master of Science in Sustainable Engineering. This 30-credit, professional (non-thesis) program is designed as a stand-alone master's degree or can be integrated with Swanson's other MS programs allowing you to complete two MS degree programs with minimal additional time commitment.

The goal of this newly launched graduate program is to provide advanced training in identifying and solving sustainability issues using systems approaches uniquely positioning students to foster sustainable technologies, science, and practices both in the U.S. and abroad. As a new student of this program, you will first complete ENGR 2905: Current Issues in Sustainability with your cohort. Throughout your program, you will find emphasis placed on interdisciplinary sustainability as well as regional and national scalability through service learning projects enabling you to communicate issues and solutions to a wide range of audiences. With four available tracks to focus your studies, students are able to apply sustainability in the context of: Energy, Environmental and Water Sustainability, Green Computing, Sustainable Built Environment and Infrastructure.

MASCARO CENTER FOR SUSTAINABLE INNOVATION (MCSI)

Established in 2003 through the generosity of John C. Mascaro, The Heinz Endowments, and George M. Bevier, the Mascaro Center for Sustainable Innovation promotes the incorporation of sustainable engineering concepts and practices through the University of Pittsburgh Swanson School of Engineering. Its mission is to create and nurture innovations that benefit the environment, positively impact the University and community-at-large and improve quality of life. Through the integration of curriculum, groundbreaking research and social engagement, the Center engages students, faculty and staff as well as everyday citizens to explore and experience sustainability in practice and performance.

APPLICATIONS NOW BEING ACCEPTED

ADMISSIONS REQUIREMENTS

BS in Engineering from an ABET accredited university program,

OR

BS in other field plus a minimum of three years of industry.

NOTE: *Candidates with other educational and professional backgrounds will be considered on an individual basis with strong emphasis given to academic promise, career orientation, work experience, and preparation in engineering and related disciplines. Additional coursework may be required to ensure skill set necessary for success in the program.*

FOR MORE INFORMATION
engineering.pitt.edu/MSSE

FOR MORE INFORMATION ON PITT'S SUSTAINABILITY INITIATIVES
sustainable.pitt.edu

PITT | SWANSON ENGINEERING
GRADUATE & ONLINE PROGRAMS

Sustainable Engineering Graduate Program

Professional Master of Science (continued)

Upon acceptance, each of you will be assigned a faculty advisor to help guide your studies. With 15 required credits and 15 electives credits, you and your advisor can tailor the program to meet your career goals and educational passions. Our program's curriculum is constructed around focus areas of critical thinking, systems thinking, and insights into the triple bottom line of sustainability across environmental, society, and economic problems.

DELIVERY	TOTAL CREDITS	ENTRANCE EXAM	ADDITIONAL ADMISSIONS REQUIREMENTS
• On-Campus	• Master's – 30	• GRE	• Two Letters of Recommendation • Unofficial Transcripts

CORE COURSES – FIVE COURSES AS FOLLOWS

Required for professional MS – all of the following four courses

ENGR 2905	Current Issues in Sustainability
CEE 2609	Life Cycle Assessment Methodologies and Tools
CEE 2610	Engineering and Sustainable Development
ENGR 2007	Sustainability Capstone

Required for professional MS – one course from Katz Business School OR Graduate School of Public and International Affairs approved by MCSI advisor. Examples include:

KATZ Graduate School of Business

BSPP 2328	Business of Humanity: Strategic Planning in the Era of Globalization, Innovation, and Shared Value

Graduate School of Public and International Affairs (GSPIA)

PIA 2115	Environmental Economics	PIA 2231	Contemporary US Energy Policy
PIA 2164	Natural Resources Governance and Management	PIA 2502	Global Environment
		PIA 2523	Global Energy Policy

ELECTIVES* – 15 CREDITS

Students are encouraged to explore elective options with the Program Director. Four program tracks are available to guide your curriculum which are:

- Energy
- Environmental and Water Sustainability
- Green Computing
- Sustainable Built Environment and Infrastructure

For further information on elective options, please visit:
engineering.pitt.edu/MSSE

* Prerequisites may be required. Courses listed as those which to the best of our knowledge at time of printing will run. This print piece does not serve as a guarantee.

For more information about our Graduate MS in Sustainable Engineering Program, please contact:

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UNIVERSITY OF PITTSBURGH

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