CONTACT US
To learn more about Villanova’s Master of Science in Sustainable Engineering, please contact:

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HOW TO APPLY
To apply:
enggradapp.villanova.edu

MASTER OF SCIENCE
SUSTAINABLE ENGINEERING

800 Lancaster Avenue
Villanova, PA 19085

VILLANOVA UNIVERSITY
College of Engineering

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As the earth’s population grows and standards of living rise, engineers are being called to play a leadership role in sustainable development and to find solutions for global challenges such as depletion of resources, environmental pollution and damage to ecosystems. At the forefront of making decisions with long-term implications for the planet, engineers must not only meet today’s global human needs, but also provide sustainable access to the world’s resources for generations to come.

One of just a few programs in the country and one of only two currently available entirely online, Villanova’s Master of Science in Sustainable Engineering (MSSE) program employs a whole systems approach to problem-solving through a life-cycle lens. The program’s practical approach is based on current and future real-life situations, and students work in small teams to evaluate and solve problems that companies are facing worldwide.

Villanova’s MSSE is a multidisciplinary degree, ideal for those who are interested in gaining further expertise and knowledge with regard to the full environmental, social and economic aspects of sustainable engineering. This program is available to engineers, as well as the non-engineering degree holder.

Your education is valuable, and so is your time. Villanova’s award winning E-Learning program has made it possible to earn your graduate engineering degree from anywhere in the world. Attend class remotely in real-time or at your convenience via archived classes. Through the use of video teleconferencing and the latest rich-media Web broadcast, you can move at the pace that your lifestyle and schedule permit.

MSSE faculty are academics with professional experience in the sustainable engineering industry. Program Director, Bill Lorenz, spent decades as an engineering consultant, and has leveraged his background to build a practical, solutions-driven MSSE program. The combined experience and knowledge of the Sustainable Engineering faculty distinguishes Villanova University’s program from others.

Multidisciplinary in nature, the MSSE degree requires students to take four core courses:
• Climate Change and Sustainability
• Life Cycle and Impact Assessment
• Economic and Social Equity Integrators
• Sustainable Materials and Design

Students then take four courses from one of the track options below:
• Alternative and Renewable Energy
• Water Resources Sustainability
• Environmental Sustainability
• Sustainable Infrastructure and Built Environment
• Sustainable Materials

Students must also select a six-credit thesis or two elective courses. For more curriculum and admissions information, visit msse.villanova.edu.

ELEARNING

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FACULTY EXPERTISE

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Curriculum

MS = 30 credits (10 classes)
Certificate = 15 credits (5 classes)

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EARN YOUR DEGREE FULL-TIME, PART-TIME OR ENTIRELY ONLINE.