Creating a Sustainable World through Business Innovation, Engineering, and Technology
Rutgers University-New Brunswick’s Master of Engineering in Energy Systems Engineering offers a multi-disciplinary approach to innovate and drive the world’s clean energy future. Designed to integrate technology and science with business, IT, public policy, and regulatory study, this collaborative program is resourced through six School of Engineering departments and the Graduate School-New Brunswick, along with the Edward J. Bloustein School of Planning and Public Policy, and the Rutgers School of Business. This unique training opportunity allows students to explore the many facets of a dynamic and expanding field by combining diversified coursework with hands-on learning, powering the world forward toward clean, efficient energy independence.

Master of Engineering Degree Requirements
- 30 credits
- Core engineering areas of energy technology and science, plus electives
- Industry internship or hands-on project

Why Rutgers School of Engineering?
- Our vibrant academic community is committed to integrating education and research to achieve transformational innovation that is ethically responsible and sustainable.
- Our energy systems graduate program is unique in the tri-state area and nationwide.
- Our students engage in cutting-edge R&D projects in state-of-the-art labs.
- Our accomplished faculty are experts in their fields of research.
- Our collaborative relationships with energy companies, utilities, energy consulting firms, and technology companies allow us to offer internship and career support for students.

Applied Learning
Research opportunities in R&D settings and hands-on learning are key components of this program. Clean energy and environmental research and business incubation centers bring together public agencies, private industry, and communities to build sustainable and resilient energy solutions.
- Energy Lab at Weeks Hall of Engineering
- Center for Energy, Economic, and Environmental Policy
- Rutgers Energy Institute
- Rutgers EcoComplex
- Laboratory for Energy Smart Systems (LESS)

Core engineering courses cover a wide spectrum of energy-related subjects:
- Clean and renewable energy
- Smart grid
- Built environment energy modeling
- Renewable energy generation
- Materials and devices

Elective courses enable students to customize their programs:
- Energy policy and regulations
- Asset management and reliability
- Power grid cybersecurity
- Energy value chain
- Energy data analytics
- IT and communication

Deadlines
April 15 (fall admission)
October 15 (spring admission)

Contact
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Apply
soe.rutgers.edu/energy-systems-engineering