The University of Dayton Renewable and Clean Energy (RCL) master's degree program prepares students to design solar, wind, biofuel and geothermal systems and make our buildings and factories more energy efficient by offering energy engineering courses and by providing research, professional engineering and international energy development opportunities. The RCL program attracts top students, including several Fulbright scholars, from the U.S. and around the globe into a tight-knit community of enthusiastic learners. RCL graduates start companies, manage energy programs, become leaders in sustainable engineering and pursue doctorate degrees.

ABOUT US

OUR STUDENTS

CONTACT US

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Dr. Kelly Kissock

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M.S. in Renewable and Clean Energy

RESEARCH
RCL students have published over 60 peer-reviewed papers on energy efficiency and renewable energy in top conferences and journals including ASHRAE, ASME, ACEEE, Building and Energy, International Journal of Materials and Manufacturing, Journal of Applied Energy, International Conference on Energy Sustainability, etc.

ONLINE PROGRAM
“The RCL online Masters Program has worked out well for me and has allowed me to advance professionally faster than I thought possible.” Jared Svagera

GRADUATES
RCL graduates are in high demand in the fast-growing green-energy economy including positions at top engineering firms (Go Sustainable Research, Energy Resource Solutions, Heapy, Plug Smart, Energy Optimizers, Cascade, Enernoc, Navigant, CLEAResult, PNNL, ORNL, and Ph.D. programs (Stanford, Lehigh, etc.)

COURSES
RCL 507. Advanced Energy Materials
RCL 511. Advanced Thermodynamics
RCL 524. Electrochemical Power
RCL 533. Biofuel Production Processes
RCL 556. Energy Systems Engineering
RCL 557. Building Energy Informatics
RCL 561. Solar Energy Engineering
RCL 562. Geothermal Energy Engineering
RCL 563. Wind Energy Engineering
RCL 564. Sustainable Energy Systems
RCL 568. Internal Combustion Engines
RCL 569. Energy Efficient Buildings
RCL 571. Design of Thermal Systems RCL
572. Design for Environment
RCL 573. Renewable Energy Systems
RCL 578. Energy Efficient Manufacturing
RCL 583. Advanced Photovoltaics
RCL 590. Special Problems
RCL 595. Research Project
RCL 599. Research Thesis