



For more information about
Rowan Chemical Engineering
MS and PhD programs
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**Department of Chemical Engineering
Rowan University**



Rowan Hall
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M.S. & Ph.D. Chemical Engineering

About the graduate programs

Rowan University Chemical Engineering offers advanced paths at the masters and doctoral levels to develop scholarly and professional skills, and to engage our faculty in original scientific research. We prepare our students for careers in the global chemical process industry and related fields, and for advancing the chemical engineering profession as future leaders in industry, government, and academia.

At the masters level, a student can choose between the thesis or coursework track. For the thesis track, a student works on a research project that leads to a masters thesis. For the coursework track, a student focuses on graduate level courses. Our MS degree program emphasizes advanced chemical engineering skills, project management skills, engineering design, and fundamental and applied research relevant for high-tech fields.

At the doctoral level, a student focuses on a research project that leads to an original doctoral dissertation. The student partners with our faculty to explore new ideas, create new knowledge, and address societal challenges by applying theory and experimentation in our state-of-the-art facilities. Our PhD program is designed to prepare a student for highly advanced and specialized careers in research & development.

Research areas

- Additive Manufacturing
- Biomaterials & Biochemical Engineering
- Catalysis
- Crystallization
- Energy Capture & Energy Storage
- Fluid Flow
- Green Engineering
- Pharmaceutical Processing
- Polymers, Composites & Thin Films
- Process Systems, Design & Optimization
- Reaction Engineering
- Social Life Cycle Analysis
- Sustainable Design & Engineering
- Tissue Engineering



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