



VILLANOVA GRADUATE STUDIES IN CHEMICAL & BIOCHEMICAL ENGINEERING

WHERE THEORY MEETS PRACTICE

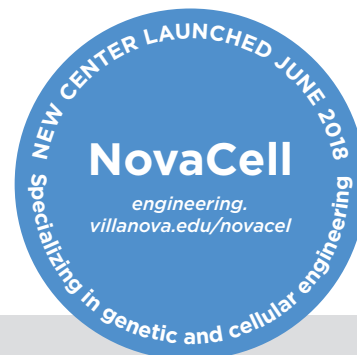
At Villanova University, collaborate with classmates which include researchers, practitioners and industry experts in our certificate, master's and PhD programs.

WE OFFER GRADUATE DEGREES & CERTIFICATE OPTIONS

- PhD in Engineering
- MS in Chemical Engineering
- MS in Biochemical Engineering
- Certificate, Biochemical Engineering
- Certificate, Sustainable Engineering

EACH ONE OF OUR PROGRAMS OFFER:

- HIGH-QUALITY RESEARCH
- PERSONAL ATTENTION
- DEDICATED ENGAGED FACULTY
- FUNDING OPPORTUNITIES
- BLENDED CLASSROOM
- REAL-WORLD PRACTICAL APPLICATION
- CUSTOMIZABLE DEGREE PATH
- MAXIMUM FLEXIBILITY



OUR DISTINGUISHED FACULTY

CHARLES COE, ASSOCIATE RESEARCH PROFESSOR

Ph.D., Carnegie Mellon University
Zeolites, Industrial Catalysts and Adsorbents

NOELLE COMOLLI, ASSOCIATE PROFESSOR & CHAIR

Ph.D., Drexel University | Drug Delivery, Biomaterials

JACOB ELMER, ASSISTANT PROFESSOR & ASSISTANT CHAIR

Ph.D., Ohio State University | Blood Substitutes, Gene Therapy

ZUYI (JACKY) HUANG, ASSOCIATE PROFESSOR

Ph.D., Texas A&M University
Systems Biology, Microbial Fuel Cells

SCOTT JACKSON, VISITING ASSISTANT PROFESSOR

Ph.D., University of Delaware
Petroleum Engineering and Process Design

WILLIAM KELLY, PROFESSOR

Ph.D., Pennsylvania State University
Upstream and Downstream Biopharmaceutical Processing

VITO PUNZI, PROFESSOR

Ph.D., Polytechnic Institute of NYU
Industrial Waste Treatment Processes, Adsorption

REES RANKIN, ASSISTANT PROFESSOR

Ph.D., Carnegie Mellon University
Computational Modeling, Surface Science

EDWARD RITTER, ASSOCIATE PROFESSOR

D.E.S., New Jersey Institute of Technology
Kinetic Modeling, Reaction Thermodynamics

JUSTINUS SATRIO, ASSOCIATE PROFESSOR

Ph.D., Iowa State University | Biomass Conversion, Sustainability

DOROTHY SKAF, ASSOCIATE PROFESSOR

Ph.D., University of Pennsylvania | Photocatalysis, Process Design

MICHAEL SMITH, ASSOCIATE PROFESSOR

Ph.D., University of Delaware | Catalysis, Nanoporous Materials

PETER STAFFELD, VISITING ASSISTANT PROFESSOR

Ph.D., University of Pennsylvania
Technical Communications, Mass Transfer

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FOR MORE INFORMATION:

Biochemical Engineering - biochemical.villanova.edu

Chemical Engineering - engineering.villanova.edu/msche

PhD - engineering.villanova.edu/phd