



UMBC

# CHEMICAL BIOCHEMICAL AND ENVIRONMENTAL ENGINEERING



## Doctoral & Master's Programs

- Environmental Engineering
- Chemical & Biochemical Engineering

**PhD Stipend  
\$39K+**

\$39,900/year for 2025-2026  
plus tuition remission and  
health insurance for  
full-time PhD students

**Application  
Deadline  
January 7**

application fee waivers  
provided upon request

## Research Areas

- Environmental Risk Assessment
- Atmospheric Chemistry
- Aerosol Pollution
- Modeling and Monitoring of Groundwater-Surface Water
- Contaminant Fate & Transport
- Water / Wastewater treatment
- Bioinformatics
- Synthetic Biology
- Microfluidics
- Drug delivery, Nanomedicine
- Systems Biology
- Mycelial Materials
- Batteries & Energy Storage
- Quantum Chemistry
- Molecular Simulation
- Machine Learning & AI

## G-RISE Meyerhoff Graduate Fellowship

NIH grant aims to increase diversity and participation of supporting outstanding doctoral students from underrepresented groups in biomedical sciences



**University of Maryland, Baltimore County** (UMBC) resides at the center of the Baltimore-Washington metropolitan area comprising nearly 10 million people, and home to nearly all of the nation's federal agencies (e.g., EPA, NIH, NSF), a host of biotech companies, consulting companies, and numerous Fortune 500 companies.



## New Faculty Members



**Jorge Almodovar, Ph.D.**  
engineering polymeric biomaterials for cell manufacturing, tissue repair, and drug delivery



**Özgür Çapraz, Ph.D.**  
performance of materials for electrochemical energy storage and conversion systems



**Corine Jackman Burden, Ph.D.**  
bioinformatics, synthetic biology, microfluidics, vaginal microbiome, infectious disease