

Kadia Olewinski

Entry Level Chemical Engineer

Profile

Detail-oriented Entry Level Chemical Engineer with 1 year of experience in chemical process design, analysis, and optimization. Demonstrates strong analytical skills and a solid understanding of chemical engineering principles, supported by a proactive approach to problem-solving. Collaborates effectively within multidisciplinary teams and exhibits excellent communication abilities. Committed to continuous professional development and eager to contribute to innovative projects in the chemical engineering field.

Employment History

Entry Level Chemical Engineer at W. L. Gore & Associates, MD

Mar 2023 - Present

- Successfully improved the production process of a key polymer product by 15% through the optimization of chemical reactions, resulting in an annual cost saving of \$200,000 for the company.
- Developed and implemented a waste reduction program that decreased hazardous waste generation by 25% in the manufacturing facility, contributing to a safer work environment and a savings of \$50,000 per year in waste disposal costs.
- Collaborated with a cross-functional team to successfully scale up a new chemical process from lab to pilot scale within six months, meeting all safety and quality requirements and ensuring a timely market launch for a new product line.

Associate Chemical Engineer at U.S. Army Research Laboratory, MD

Sep 2022 - Feb 2023

- Developed a novel chemical detection system that increased the accuracy of identifying hazardous substances by 35%, enhancing the safety of military personnel during field operations.
- Optimized a chemical synthesis process, resulting in a 25% reduction in production time and a 15% decrease in material waste, saving the laboratory over \$200,000 annually.
- Led a team of engineers in the successful completion of a critical research project on advanced materials, which resulted in two patent applications and a publication in a prestigious scientific journal.
- Implemented safety protocols and training programs that reduced workplace accidents by 40%, leading to a safer and more efficient work environment for all laboratory staff.

Certificates

Engineer in Training (EIT) Certification

Oct 2021

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📍 123 Main St, Baltimore, MD 21201

Education

Bachelor of Science in Chemical Engineering at University of Maryland, College Park, MD

Aug 2018 - May 2022

Relevant Coursework: Process Simulation and Design, Thermodynamics, Fluid Mechanics, Heat and Mass Transfer, Chemical Reaction Engineering, Transport Phenomena, Separation Processes, Chemical Process Safety, Materials Science, and Process Control.

Links

[linkedin.com/in/kadiaolewinski](https://www.linkedin.com/in/kadiaolewinski)

Skills

AutoCAD

MATLAB

Aspen Plus

Python programming

LabVIEW

ChemDraw

COMSOL Multiphysics

Languages

English

Italian