Maya Okafor

Chemical Engineering Intern

College Station, TX • (979) 555-0143 • maya.okafor@email.com
linkedin.com/in/mayaokafor

SUMMARY

Chemical engineering senior at Texas A&M University graduating in 05/2027, now on a 7-month co-op at a specialty chemicals plant. Builds mass balances in Aspen Plus and Microsoft Excel, writes test reports in Microsoft Word, and brings careful data analysis and problem solving to unit operations work.

EDUCATION

Bachelor of Science 05/2027

Texas A&M University College Station, TX

Chemical Engineering

EXPERIENCE

Chemical Engineering Intern 06/2026 - Present

Brazos Specialty Chemicals Freeport, TX

Co-op on the process engineering team of a 240-employee surfactants plant.

- Model mass balances for 3 reactor trains in Aspen Plus and match them to plant data within **4%**.
- Analyze 12 months of distillation column data in Microsoft Excel to find a reflux ratio drifting off target.
- Draft 9 standard operating procedures in Microsoft Word after walking each step with shift operators.
- Present weekly trial results to engineers and operators in a short PowerPoint review, with clear communication on next steps.

Undergraduate Research Assistant 09/2024 - 05/2026

Texas A&M University, Department of Chemical Engineering College Station, TX

Part-time role in a catalysis lab, about 15 hours per week.

- Conducted **60+** fixed-bed reactor tests on zeolite catalysts and logged conversion data for a PhD researcher.
- Calculated yield and selectivity with MATLAB scripts, cutting analysis time per test from 2 hours to 30 minutes.
- Maintained laboratory safety records and chemical inventory for a 6-person lab with no audit findings.
- Produced data tables and figures for 2 conference posters on catalyst deactivation.

SKILLS

Aspen Plus • MATLAB • Mass Balances • Microsoft Excel • Microsoft Word • PowerPoint • Data Analysis

Laboratory Safety • Problem Solving • Communication

CERTIFICATES

OSHA 10-Hour General Industry

OSHA Outreach Training Program

05/2026