

Job Analysis Report

Process Engineer at Ashland Specialty Ingredients G.P.

Analysis Date:

January 19, 2026

Company:

Ashland Specialty Ingredients G.P.

Position:

Process Engineer

Job Description

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Process Engineer

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Match Summary

The candidate's PhD, 12+ years of plant engineering experience, and proven record of process optimization and safety management align closely with the role's requirements. Strong match in technical skills (process simulation, HAZOP, PSM, Lean Six Sigma) and relevant certifications (PE, CSP, Six Sigma Black Belt) give a high overall score. Minor gaps include specific experience with cellulose chemistries and Emerson Delta-V control systems.

Required Skills

- Process Engineering and Optimization
- Plant and Process Troubleshooting
- EHSQ Compliance (Environment, Health, Safety, Quality)
- Structured Problem Solving (5 Whys, Fishbone, Fault Tree, etc.)
- Process Documentation (P&ID, SOP, EFD)
- Management of Change (MOC) Process
- Combustible Dust Assessment
- Relief Valve Calculations
- Data Analysis and Root Cause Analysis
- Strong Written and Oral Communication
- Planning and Organizational Skills

Strategic Application Tips

- Highlight specific examples of troubleshooting, cost-saving projects, and PSM/HazOp work in your résumé.
- Showcase your Six Sigma Black Belt and any experience with Lean or continuous improvement initiatives.
- Include quantified achievements (e.g., % energy savings, downtime reduction) and relate them to the responsibilities listed.
- Mention any experience with plant documentation, MOC, or Combustible Dust Assessment if available.

Role Insights

The Process Engineer works hands-on with plant operations, tackling recurring issues and leading cross-functional projects that deliver measurable cost and reliability gains. Autonomy is high but collaboration across engineering, maintenance, and production is essential, requiring strong communication and project

management. The role blends analytical problem solving with practical implementation, often serving as the technical bridge between plant operators and senior leadership.

Company Culture

Ashland emphasizes integrity, continuous improvement, and employee empowerment, positioning itself as a leading specialty chemical provider with a global footprint. The posting highlights teamwork, constructive positivity, and a drive to solve problems, suggesting a culture that values initiative and collaboration. The company also stresses diversity and equal opportunity, indicating an inclusive workplace.