

Internship: Lead a project focused on water conservation, chemical standardization, and energy efficiency.

Company: Faribault Woolen Mill Co., Faribault, MN

The Minnesota Technical Assistance Program (MnTAP) is seeking a junior or senior college student to lead a project focused on water conservation, chemical standardization and energy efficiency with Faribault Woolen Mill. The student will map the facility's water use, create standard work for common fabric wash and dye recipes, and as time allows investigate energy opportunities surrounding motor efficiency, compressed air and lighting, and demand savings opportunities. The intern will then quantify these opportunities and develop suggestions and outline plans for implementation.

JOB DUTIES:

As part of this project, you will be asked to complete the following tasks:

1. Develop a water map to quantify water use throughout the facility and to identify water conservation opportunities.
2. Create standardized processes surrounding process chemical additions in wash and dye processes.
3. Complete a motor inventory and identify motor related energy savings opportunities.
4. Schedule compressed air and lighting assessments with local energy utility
5. Investigate opportunities to reduce on site demand charges.
6. Estimate waste, energy and water reduction potential from implementation of provided recommendations, then prioritize suggested changes using simple payback methods for financial justification.
7. As appropriate, initiate implementation of approved process changes or develop plans for future implementation.
8. Summarize findings in a detailed report, including recommended procedures and vendor proposals along with an economic analysis and justification of changes.
9. Present findings to the company and at MnTAP-hosted public presentation events.

As an intern, you will work at the company and report back to MnTAP. The position is full time, 40 hours per week, for three months to start after the conclusion of spring semester or quarter. Pay is \$15/hour, with a lump sum stipend of \$1,000 upon completion of the project deliverables: a final report and presentations. Cumulatively, this equates to \$17.00/hour when averaged over the project. Candidates must pass a background check.

QUALIFICATIONS:

- Cumulative GPA of at least 3.0
- Good oral & written communication skills
- A technical academic background
- Troubleshooting skills
- Self-motivated
- Excel and other software skills
- Appropriate majors: *Engineering, environmental or physical sciences and others as applicable*

TO APPLY:

Apply online at:

www.mntap.umn.edu/intern/student_apply.htm

Remember to submit your application form, cover letter, resume, and unofficial transcript.

Applications can be addressed to:

Matt Domski, Intern Program Manager

200 Oak Street SE, Suite 350-1

Minneapolis, MN 55455 • mdomski@umn.edu

MNTAP IS THE HIRING BODY: DO NOT CONTACT THE COMPANY