

Strengthening Minnesota businesses by maximizing efficiency and lowering costs through energy, water and waste reduction

Internship: Lead a project focused on foundry water conservation.

Company: Grede Foundry, St. Cloud, MN

The Minnesota Technical Assistance Program (MnTAP) is seeking a junior or senior college student to lead a project focused on water conservation with Grede Foundry. The intern will work with MnTAP and Grede staff to reduce water associated with the production of ductile iron castings. The intern will develop suggestions to reduce water use and quantify these opportunities as well as outline plans for implementation.

JOB DUTIES:

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

1. Measure and map water use throughout the facility.
2. Identify potential water savings.
3. Prioritize focus areas based on magnitude of opportunity.
4. Make recommendations for specific improvements based on research, testing, and calculation that will result in water conservation.
5. Estimate water, energy, and waste reduction potential from implementation of provided recommendations, then prioritize suggested changes using simple payback methods for financial justification.
6. As appropriate, initiate implementation of approved process changes or develop plans for future implementation.
7. Summarize findings in a detailed report, including recommended procedures and vendor proposals along with an economic analysis and justification of changes.
8. 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 \$18/hour, with a lump sum stipend of \$1,000 upon completion of the project deliverables: a final report and presentations. Cumulatively, this equates to \$20.00/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/interns/student/apply/

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

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MNTAP IS THE HIRING BODY: DO NOT CONTACT THE COMPANY

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