

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

Company: Minncor Industries at Minnesota Department of Corrections in Faribault, MN

The Minnesota Technical Assistance Program (MnTAP) is seeking a junior or senior college student to lead a project focused on energy efficiency and water conservation with Minncor Industries located at the Minnesota Department of Corrections in Faribault, MN. The intern will be involved in resource efficiency projects in the laundry facility. This position will focus on balancing airflow to prevent pipes from freezing in the winter, and on exploring and justifying repair options for a steam energy recovery system. The intern will quantify technical opportunities with guidance from mentors, develop suggestions and outline plans for implementation.

JOB DUTIES:

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

1. Complete mass balance of airflow in and out of laundry facility.
2. Estimate savings associated with balancing building airflow and pressure.
3. Explore both low-cost and capital-intensive options for resolving issues associated with negative building pressure.
4. Investigate non-functioning steam energy recovery unit.
5. Develop justification and next steps for repairing steam energy recovery unit.
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 \$19/hour, with a lump sum stipend of \$1,500 upon completion of the project deliverables: a final report and presentations. Cumulatively, this equates to \$22.00/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