

Internship: Lead a project focused on refrigeration system best practices and recommendations for small grocery stores in Minnesota.

Company: South-Town Refrigeration & Mechanical, Brooklyn Park, MN

The Minnesota Technical Assistance Program (MnTAP) is seeking a junior or senior level college student to lead a project focused on best practices for managing refrigeration systems at small to medium-sized grocery and convenience stores. The intern will work with MnTAP, grocery store staff and refrigeration system experts at South-Town Refrigeration & Mechanical to analyze current systems. The intern will evaluate solutions for proper refrigeration system management and make recommendations for energy and refrigerant leakage reductions. These findings will be used to develop a guide for similar stores that focus on best management practices for small to medium-size refrigeration systems.

JOB DUTIES:

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

1. Analyze the refrigeration demands, set-up, and design of refrigeration system components at 8-16 small to medium grocery and/or convenience stores.
2. Gather data on leak rates of refrigeration systems to determine an estimate of expected leak rates over time. Use MnTAP equipment to conduct leak studies as appropriate.
3. Research energy saving and leak reduction strategies for refrigeration systems.
4. Conduct a cost analysis of recommended changes.
5. Research natural refrigerants, and prepare a summary of findings applicable to their use in small to medium refrigeration systems.
6. As appropriate and as time allows, implement any approved changes and monitor results.
7. Finalize a small refrigeration system management plan document with input from supervisors and project partners.
8. Summarize overall findings in a detailed report, including recommended procedures, research findings, and economic analysis.
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 and drug test, and have a valid driver's license. Access to a vehicle preferred.

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
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Minneapolis, MN 55455 • mdomski@umn.edu

MNTAP IS THE HIRING BODY: DO NOT CONTACT THE COMPANY