

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

**Internship:** Energy efficiency and lean process optimization at a candy making facility.

**Company:** Pearson's Candy Company, St. Paul, MN

The Minnesota Technical Assistance Program (MnTAP) is seeking a junior or senior college student to lead a project focused on energy efficiency and overall process optimization with Pearson's Candy Company in St. Paul, MN. The intern will work with MnTAP and Pearson's staff to identify opportunities to save energy and reduce waste in the candy making process. The project will involve analyzing baseline data, observing key processes and working with operators to recommend process improvement solutions.

### **JOB DUTIES:**

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

1. Analyze baseline energy, water and waste data provided by Pearson's Candy Co.
2. Review current heating and cooling processes and consider potential modifications to increase system efficiency.
3. Investigate opportunities to minimize packaging waste and/or product loss.
4. As time allows, consider solutions for other processes that would increase energy and water efficiency.
5. As appropriate, initiate implementation of approved changes and system upgrades. Estimate the performance of upgraded systems, as well as cost and resource savings.
6. Summarize findings in a poster, an executive summary and a detailed report, including recommended procedures and vendor proposals along with an economic analysis and justification of changes.
7. 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 \$14/hour, with a lump sum stipend of \$1,000 upon completion of the project deliverables: a final report and presentations. Cumulatively, this equates to \$16.00/hour when averaged over the project. Candidates must pass a background check and drug test.

### **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](http://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:

Nathan Landwehr, Intern Program Administrator  
200 Oak Street SE, Suite 350-1  
Minneapolis, MN 55455 • [landwehr@umn.edu](mailto:landwehr@umn.edu)

**MNTAP IS THE HIRING BODY: DO NOT CONTACT THE COMPANY**