

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

**Internship:** Lead a project focused on energy efficiency at an industrial filtration manufacturer.

**Host:** Donaldson Company, Inc. – Bloomington, MN

The Minnesota Technical Assistance Program (MnTAP) is seeking a junior or senior college student to lead a project focused on energy efficiency with Donaldson Company, Inc. in Bloomington Minnesota. The intern will work with MnTAP and Donaldson staff to reduce energy use at the headquarters facility which includes a research and development facility. The intern will evaluate energy efficiency opportunities previously identified by Donaldson and drive full scale testing and implementation.

### **JOB DUTIES:**

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

1. Coordinate with the host to identify energy efficiency opportunities from an existing list to pursue implementation.
2. Survey existing compressed air system to determine existing compressed air pressure in receiving buildings and the required compressed air pressure for each process in each building.
3. Schedule and facilitate a compressed air leak audit in partnership with an outside party.
4. Evaluate existing condenser pump speeds to determine whether they can be reduced.
5. As time allows, explore other energy or water use reduction strategies.
6. Estimate energy and water use reduction potential from implementation of provided recommendations, then prioritize suggested changes using simple payback methods for financial justification.
7. As appropriate, support implementation of approved process changes or outline 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 \$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. This position is primarily in person in Bloomington, MN.

### **QUALIFICATIONS:**

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

### **TO APPLY:**

Apply online at:

[www.mntap.umn.edu/interns/student/apply/](http://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  
Minneapolis, MN 55455 • [mdomski@umn.edu](mailto:mdomski@umn.edu)

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