

Internship: Lead a project focused on green chemistry for a materials technology company.

Company: Niron Magnetics, Minneapolis, MN

The Minnesota Technical Assistance Program (MnTAP) is seeking a junior or senior college student or graduate student to lead a project focused green chemistry with Niron Magnetics. The intern will work with MnTAP and Niron Magnetics staff to identify and test safer alternatives to two chemicals used in the magnet manufacturing process.

JOB DUTIES:

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

1. Understand the chemistry of the magnet manufacturing process and document the hazards of target chemicals.
2. Research and identify potential safer alternatives, along with associated hazard profiles.
3. Run experiments to determine the feasibility of identified safer alternatives.
4. Estimate chemical and hazard reduction potential and financial impact from implementation of provided recommendations.
5. As appropriate, initiate implementation of approved process changes or develop plans for future implementation.
6. Summarize findings in 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 \$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:

- Authorization to work in the U.S.
- 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/

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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MNTAP IS THE HIRING BODY: DO NOT CONTACT THE COMPANY