

INTERNSHIP: Water use optimization in medical diagnostic devices manufacturing (Summer 2017)
COMPANY: Diasorin Inc., Stillwater, MN

The Minnesota Technical Assistance Program (MnTAP) is seeking a junior or senior engineering or environmental science college student to lead a project focused on water conservation at DiaSorin Inc. in Stillwater, MN. DiaSorin is a leader in the field of research, development and manufacturing of in-vitro medical diagnostic devices. The intern will research and quantify in-coming water use, and identify and justify opportunities for water recycling or reuse. The intern will consult with lab, production, and facilities staff to audit, assess, recommend, and implement approved water recycling or reuse opportunities.

JOB DUTIES:

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

1. Research, measure, and quantify water uses throughout the facility related to water-use equipment or procedures, including water use in boilers, chillers, and water treatment systems.
2. Research and make recommendations for specific improvements that will result in water use reduction, reuse or recycling opportunities.
3. Develop economic and feasibility justifications and implementation plans for water use optimization and present them for approval.
4. As appropriate, initiate approved changes and system upgrades and estimate the performance of upgraded systems.
5. Summarize findings in a detailed report, including recommended procedures and system upgrades along with an economic analysis and justification of installation change(s).
6. Present findings to the company and at MnTAP-hosted public presentation event.

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 \$13/hour, with a lump sum stipend of \$1,000 upon completion of the project deliverables: a final report and presentations. Cumulatively, this equates to \$15.00/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: *Mechanical and Chemical engineering; other engineering, environmental or physical sciences and others with applicable experience*

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:

Nathan Landwehr, Intern Program Administrator
200 Oak Street SE, Suite 350-1
Minneapolis, MN 55455 • landwehr@umn.edu

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