

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

Internship: Lead a project focused on water conservation and energy efficiency.

Company: Collins Aerospace, Burnsville MN

The Minnesota Technical Assistance Program (MnTAP) is seeking a junior or senior college student to lead a project focused on water conservation and energy efficiency with Collins Aerospace in Burnsville, Minnesota. The student will be involved in resource efficiency projects in the plant, such as those listed below. This position will have a substantial impact on water and energy usage efficiency which will help the Collins team to reach their resource conservation targets. The intern will quantify technical opportunities with guidance from mentors, develop suggestions and outline plans for implementation.

JOB DUTIES:

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

1. Explore humidity control optimization.
2. Calculate water savings for plating line rinse optimization.
3. Determine energy savings associated with transitioning from compressed air to blowers for various production processes.
4. Investigate optimization opportunities related to DI water usage.
5. Evaluate water conservation related to pH treatment process.
6. As time allows, explore additional energy and water conservation opportunities.
7. As appropriate, initiate implementation of approved process changes or develop 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.

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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MNTAP IS THE HIRING BODY: DO NOT CONTACT THE COMPANY