

Internship: Lead a project focused on water conservation at Minnesota Correctional Facilities.

Company: Minnesota Correctional Facility - Shakopee, MN

The Minnesota Technical Assistance Program (MnTAP) is seeking a junior or senior college student to lead a project focused on water conservation at the Shakopee Minnesota Correctional Facility. The intern will work with MnTAP and MCF staff to reduce water use with a focus on laundry, irrigation, and domestic uses. The student will also complete a basic lighting audit.

JOB DUTIES:

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

1. Understand current laundry water use, size & number of loads per week/month.
2. Calculate water and energy savings potential by optimizing laundry processes, and develop a plan for implementation.
3. Optimize irrigation system.
4. Identify energy & water savings potential, and prioritize domestic fixtures for updating.
5. Check water softeners for optimized water/salt use.
6. Perform a lighting audit and develop a plan to make Shakopee a 100% LED facility.
7. Track dumpster usage and identify any waste reduction opportunities observed.
8. Estimate water, energy, and waste reduction potential from implementation of provided recommendations, then prioritize suggested changes using simple payback methods for financial justification.
9. As appropriate, support implementation of approved process changes or outline plans for future implementation.
10. Summarize findings in a detailed report, including recommended procedures and vendor proposals along with an economic analysis and justification of changes.
11. 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:

- 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/

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