Mechanical Engineering Intern

Reports to: Senior Innovation Engineer | Department: Engineering

Classification: Non-exempt | Last Updated: 11/18/2026

Job Summary:

The Mechanical Engineering Intern will support the Research & Development team in the design, prototyping, testing, and documentation of innovative water treatment products and technologies. Working alongside the Senior Innovation Engineer and cross-functional teams, this role provides hands-on experience in product development, rapid prototyping, fixture design, testing, and design for manufacturability. The intern will contribute to active development projects while gaining practical engineering experience in a collaborative and innovative environment.

Key Responsibilities:

- Create and modify 3D CAD models, engineering drawings, and related documentation using SolidWorks.
- Support the design and development of electro-mechanical and consumer product solutions.
- Assist with rapid prototyping, fixture design, and design-for-manufacturability initiatives.
- Build, assemble, and evaluate product prototypes.
- Plan and execute engineering tests, collect data, analyze results, and provide recommendations for design improvements.
- Prepare test plans, technical reports, and engineering documentation to KTI standards.
- Assist with laboratory testing, product evaluation, and pool site setup and testing.
- Participate in design reviews and collaborate with engineering team members to solve technical challenges.
- Deliver a final presentation to engineering leadership summarizing project work, results, and recommendations.
- Perform other duties as assigned

Qualifications:

- Currently pursuing a bachelor’s degree in mechanical engineering or a related engineering discipline.
- Strong understanding of engineering fundamentals and mechanical design principles.
- Experience with CAD software, preferably SolidWorks.
- An interest in product development, prototyping, testing, and manufacturing processes.
- Strong analytical, problem-solving, and organizational skills.
- Ability to interpret data and translate findings into actionable recommendations.
- Effective verbal and written communication skills.
- Ability to work both independently and collaboratively within a team environment.
- Candidates should demonstrate and support the company's core values: Excellence, Courage, Selflessness, Integrity, and Safety.

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Internship Benefits:

- Develop strong professional communication and collaboration skills.
- Gain hands-on experience in product development, testing, prototyping, and manufacturing support.
- Build expertise in CAD modeling, engineering documentation, and design reviews.
- Work on innovative water treatment technologies and active R&D projects.
- Gain exposure to engineering project management and cross-functional collaboration.
- Work alongside a high-performing engineering team and receive mentorship from experienced engineers.
- Complete a meaningful engineering project and present results to leadership.
- Experience how a value-driven company culture supports business success and professional growth.

Physical Requirements / Work Schedule:

- Ability to remain seated or standing at a desk for extended periods while performing computer-based work
- Standard work schedule of Monday–Friday, 8:30 AM – 5:00 PM
- 40 hours per week during the internship period
- Summer 2027 internship lasting approximately mid-May to mid-August

Compensation:

Competitive hourly pay of $21.00-$27.00 per hour, based on experience.