



## Design Engineer I

**Title:** Design Engineer I  
**Group:** Doyon / NU-VU

**Location:** Menominee, MI  
**Reports To:** Engineering Director

### Job Description

The Design Engineer will be responsible for leading New Product Development (NPD) and/or Continuous Support projects requiring competency in electro-mechanical design. The Design Engineer will design parts or systems, generate and execute design validation test plans, and work with cross-functional teams to implement the new or updated products into production.

### Essential Duties and Responsibilities

- Work closely with engineering lead to develop new products and support continuous improvement.
- Perform a full lifecycle product development (design, develop, prototype testing, manufacturing support & implementation).
- Design systems and components that meet the customer needs and requirements.
- Use the principles of physics and engineering to solve design challenges.
- Good understanding of electrical design is preferred.
- Strong analytical and problem-solving skills.
- Inventor (or any other CAD software) proficiency and GD&T knowledge is required.
- Basic knowledge of thermodynamics is preferred.
- Test and evaluate theoretical designs.
- Evaluate final product's overall performance, reliability, and safety.
- Prepare product reports and documentation.

### Education Qualifications

- Associate Degree (Required)
- Bachelor's Degree (Preferred)
- Degree in Mechanical/Electrical Engineering is preferred.

### Working Conditions

Work is performed largely in office and manufacturing environments. Hours of work will generally be during regular business hours with at least 40 hours a week but may vary according to special projects, deadlines, or other circumstances. Ability to lift 40-50 lbs. and a variety of postures (bending, stooping, etc.) when handling product while training or investigating technical issues.

The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.