



# NICK ELECTRICAL ENGINEER INDUSTRIAL MAGNETICS, INC.

 **STEM Career**



What can you do  
with magnets?

## CORE TASKS

- Draw electrical schematics and panel layouts.
- Build bills of material (BOMs) by selecting components for electrical systems
- PLC and embedded circuit programming
- Support sales staff by coming up with cost estimates and helping with customer issues

## OUTLOOK



**Growth in job demand**

Check out Biofuels & Biodiesel Technology or Product Development Manager



## ANNUAL SALARY RANGE

**\$60,760–\$128,970**

**MICHIGAN**



**\$59,270–\$126,590**

**NORTHWESTERN  
MICHIGAN**

• Salary information from O\*net

## What does Nick love about his work?

**I love the general idea behind engineering,  
I feel like I would enjoy work anywhere as long as  
I was using applied science to solve problems...  
it's always fun and always new.**

**I fell in love with magnetics and electrical engineering,  
however, when I first started this job.**

## HIGH SCHOOL CAREER TECH OPTIONS

- Charlevoix Emmet ISD Career Tech Programs: Drafting and Design; Machine Tool Technology
- Northwest Education Services Career Tech Center: Engineering Academy; Precision Machining; Robotics and Automation; Electrical Occupations
- Wexford Missaukee ISD Career Tech Center: Manufacturing Technology



## ENGINEERS USUALLY HAVE A BACHELORS DEGREE

You can start your post-secondary education with an associates degree from from any of these

- Kirtland Community College
- North Central Michigan College
- Northwestern Michigan College
- Westshore Community College
- Baker College

## FOCUSING ON CAREERS NEAR YOU



Northwestern Lower Michigan Region



Career Profiles by the Northwest Lower MiSTEM Network along with Northwest MI Works! are licensed under a Creative Commons Attribution-NonCommercial-NoDerivatives 4.0 International License.

Services provided through Michigan Works! and a MiSTEM grant awarded by the Michigan Department of Education