



STEM Career

NICK ELECTRICAL ENGINEER INDUSTRIAL MAGNETICS, INC.



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 Tecnology
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; SOME START WITH AN ASSOCIATES

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

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

FOCUSING ON CAREERS NEAR YOU



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