

STEM Manufacturing Internship nw IRC

Achieve project results AND shape student experience

The Program

The Northwest Industrial Resource Center's STEM Manufacturing Internship is specifically designed to meet the technology development and implementation needs of small- and medium-sized manufacturers in northwest Pennsylvania. The program matches you with qualified Science, Technology, Engineering, and Math (STEM) majors from Tri-State colleges and universities, as well as students from regional trade schools. Student interns are available to provide 100-650 hours of advanced manufacturing assistance services.

Benefits	Features
Effective Technology Services	<ul style="list-style-type: none"> • Qualified STEM students to move your projects forward • Access to our lead project engineer to identify solutions for technology-related issues
Time Savings	<ul style="list-style-type: none"> • We identify and screen qualified candidates from our growing student database to meet your specific project needs • Our knowledge-base of academic programs, resources, and faculty enables accelerated matchmaking • No need to certify your process, credential coursework, or complete lengthy forms and applications
Custom Solutions	<ul style="list-style-type: none"> • Development of project scope and compelling job description • On-site problem solving and solutions development • Nationally recognized innovation services
Cost Effective	<ul style="list-style-type: none"> • Available grants to make internships more affordable • Technology consulting services available at affordable rates



Success Story

Global Fabrication Gains Apprentice Insights

Global Fabrication, Inc. of Dubois, PA was looking to streamline engineering procedures and improve production efficiency. The NWIRC assisted in scoping the project and developing the internship job description. We also identified potential candidates from our student database to fulfill the following activities:



- Perform production time studies to reduce costs and standardize processes
- Gather and document production efficiency best practices among laborers, shop floor supervisors, and plant engineers
- Apply best and standardized practices into new ERP (enterprise resource planning) modules

By engaging with a mechanical engineering intern, the company anticipates a production cost savings of \$250,000 and an estimated sales increase of \$2 million.

Established in 2009, Global Fabrication manufactures vessels, piping, and structural welding for the power and petroleum industries with 34 employees.

“Global Fabrication appreciates the services & support NWIRC provides to the region. Their assistance with the internship program has provided us a valuable candidate whose work will allow us to grow our business, better manage our costs & improve our throughput. The service allowed us to find a highly qualified candidate in a short amount of time.”

*Molly Kelsey,
Chief Financial Officer*



Michael Griffith
Manufacturing Technology Engineer

B.S. in Chemical Engineering and MBA
Penn State University

11+ years of manufacturing sales and development



Gretchen Reinard
Program Coordinator

B.S. in Communications
Clarion University

8+ years of student intern placement

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