

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"> • Technology consulting services available at affordable rates • Payroll management to reduce resources required for maintaining the intern as a short-term employee (optional)



Success Story

STEM Manufacturing Intern Produces Big Results

Onex, an Erie-PA based company, builds and maintains industrial furnaces. They needed a student intern to work on specific projects programming controllers that operate the furnaces. The company had projects potentially worth \$3 million in revenue, but didn't have time and resources internally to dedicate to the work. It could have cost the company upwards of \$100,000 had they outsourced this work, yet they felt the projects could be completed with the talents of a qualified engineering student.



After scoping the project and developing the position description were complete, NWIRC worked through their database of hundreds of students who applied for internships via the NWIRC website and resumes collected at various college career fairs. Students who closely matched the qualifications were then passed on to Onex for vetting through their typical interview process.

Anticipated impacts to the company as a result of the internship include::

- Projected increase in sales- \$500,000
- Cost Savings- \$20,500
- Cost Avoidance- \$100,000
- Projected additional jobs- 3

"NWIRC found us a candidate that exactly matched the profile we were looking for, including the programming skills needed for the job. It's really tough to find a good match like that and the process takes a lot of time. We were able to give a student some real-life experience that, at the same time, resulted in project completion that is useful to our business growth ."

*Ashleigh Walters,
Operations Manager*



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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