

# STEM Manufacturing Internship

*Work. Learn. Earn.*

## Electrical Engineer Internship

**BACKGROUND:** The NWIRC is a non-profit management consultancy of the U.S. Department of Commerce and the Pennsylvania Department of Community and Economic Development that assists in the health and vitality of manufacturing businesses in the Northwest Pennsylvania region.

**OBJECTIVES:** The qualified apprentice will be covering all aspects of electrical design for industrial vacuum heat processing equipment. Responsibilities will include review of project electrical specifications, specifying and sourcing purchased electrical components, developing electrical drawings on CAD system, programming of PLC's and Operator Interface panels, providing guidance to shop personnel during installation of electrical components and interconnect wiring and participation in equipment testing.

**REQUIREMENTS:** Candidates are required to have recently received a BS Degree in Electrical Engineering or related Engineering degree; and ability to work at the Crawford County facility. Position requires strong interpersonal skills in working with customers, vendors and other team members. Intuitive problem solving skills are a must for use in electrical design and in troubleshooting equipment problems. Experience with Autocad or similar drafting software preferred. Occasional overnight travel (several times per year) to customer's facility to support installation is required.