



Industry Intermediary

National Institute for Innovation and Technology (NIIT)

Industry

Strategic Industry Supply Chains and Nanotechnology-Related Industries

Approved Occupations

Industrial Manufacturing Technician, Electro-Mechanical/Mechatronics Technician, Quality Assurance Auditor, and Mechanical Engineering Technician.

Target Registered Apprentice Populations

Women, People of Color, Veterans (and their families), Justice-Involved, Low-Income, Underemployed, Unemployed, and First-Generation Tech Workers.

Project Overview

Growing Apprenticeships in Nanotechnology and Semiconductors (GAINS) is an NIIT program focused on attracting, training, and retaining talent. GAINS creates access to Registered Apprenticeship (RA) programs for underrepresented populations and returning service members. Through GAINS, NIIT and its partners rapidly launch RAs for in-demand occupations across supply chain sectors, with a special focus on semiconductors and nanotechnology related industries. Through comprehensive industry engagement, NIIT works to identify and address risks to strategic industry sectors using innovative solutions. The GAINS Implementation Team works with state and regional entities to determine current and projected workforce requirements, establish regional talent development hubs that leverage the education pathway, and ensure RAs are a component of the career pathway.

Types of Services or Technical Assistance (TA) Provided

- Comprehensive regional mapping, outreach, and engagement strategy development
- Program marketing and strategic engagement that leverages industry connections and expertise
- Support for the design, development, and delivery of RAs
- Assistance identifying job requirements, skill assessments, training curriculum alignment, program development and tracking, and improving RAs through the NIIT [National Talent Hub](#)
- Sponsor, training provider, and individual account manager for the NIIT National Talent Hub

Key Partners

- Micro-Nano Technology Education Center
- National Academy of Foundations
- National Assoc. of State Workforce Agencies
- Semiconductor Industry Association
- Strata TECH Education Group
- ToolingU SME

Contact Info

Martha Ponge, Director of National Apprenticeships: mponge@niit-usa.org

Website

<https://www.niit-usa.org>