



Industry Intermediary:

National Institute for Innovation and Technology (NIIT)

Industry

Supply Chain (Nanotechnology and Semiconductors)

Key Partners

- American Institutes for Research/Maher & Maher (AIR/Maher)
- Credential Engine
- MACNY/the Manufacturers Alliance

Target Apprentice Populations

- Women
- Minorities
- Veterans (and their families)

Project Overview

The Growing Apprenticeship in Nanotechnology and Semiconductors (“GAINS”) project will leverage infrastructure and programs that are designed to attract, train, and retain talent within the Supply Chain sector by creating better access to Registered Apprenticeship Programs (RAPs) for underrepresented populations and returning service members. The National Institute for Innovation and Technology (NIIT) and its partners will also leverage and expand partnerships with community colleges, the public workforce system, states, and regional stakeholders from the public and private sector. Through the GAINS project, NIIT will focus on rapidly launching RAPs in occupations in-demand across supply chain sectors, beginning with a focus on semiconductor and nanotechnology and expanding to others throughout the project.

NIIT, through comprehensive industry engagement, works to identify risks that threaten the health of strategic industry sectors, and to then advance innovative solutions to help address them. Given the shortfall of talent needed to sustain and grow industry sectors important to national security and global competitiveness, a major focus for the NIIT is the development and maintenance of the talent pipeline. The GAINS project will work with state and regional entities to determine current and projected workforce requirements, and align RAPs that help meet supply chain sector employer needs.