

St. Louis Community College – Bridgeton, MO

Award Amount: \$11,990,952

Project Name: Missouri Apprenticeships in Manufacturing Programs (MoAMP)

Projected Apprentices to Be Served: 5,000

Industry Focus: Advanced Manufacturing

Private Sector Partners include national industry association partner, the National Institute of Metalworking Skills (NIMS), as well as employer partners, including UAW/Ford Motor Company (Kansas City), Gund Company, Inc., True Manufacturing, and the Boeing Company.

Type(s) of Apprenticeship Program Proposed: Industry-Recognized Apprenticeship Program (IRAP), Pre-Apprenticeship

The MoAMP project is working to expand apprenticeship opportunities across 37 occupations—and three pathways—within the advanced manufacturing sector, including 28 occupations in the Production and Maintenance pathway, four in the Logistics pathway, and five in the Automation and Systems pathway. MoAMP is building these pathway programs based on the industry-recognized and competency-based apprenticeship model of its primary industry association partner, NIMS. Key components of the new, NIMS-certified model include: 1) building competency ladders with employer partners through a focus on aligning training to employee competencies within a company, as opposed to registering an occupation in a company; 2) identifying and aligning employee performance measures with the competencies in the competency ladder; and (3) validating that the programs' curriculum, credentials, and competencies crosswalk and are aligned for the benefit of apprentices and employees.

To deploy its apprenticeship programs on a national scale, MoAMP's Consortium Communication Council Task Force, composed of NIMS, ACT, the Missouri Department of Workforce Development (MODWD), the Missouri Department of Corrections (MODOC), and individual employers, is developing a national outreach and marketing plan complete with tools to support program implementation and sustainability. Specific national scaling strategies include creating and promoting the NIMS expansion model; promoting the grantee's train-the-trainer curriculum designed to improve apprentice mentor oversight; creating a standardized advanced manufacturing pre-apprenticeship model based on MODWD's and St. Louis Community College's Manufacturing Job Skills Pre-Apprenticeship model; and creating a common, statewide apprenticeship data collection and review process, in coordination with MODWD. This process includes co-collection of data with MODWD and the co-enrollment of MODWD registered manufacturing apprenticeship program participants in the grantee's new and expanded apprenticeship programs.

The IHE consortium consists of St. Louis Community College (lead), East Central College, Jefferson College, Metropolitan Community College, Mineral Area College, Moberly Area Community College, St. Charles Community College, State Fair Community College, and the State Technical College of Missouri.