

Alabama Community College System - Montgomery, AL

Award Amount: \$12,000,000

Project Name: ALAMAP Project (Alabama Advanced Manufacturing Apprenticeship Program)

Projected Apprentices to Be Served: 5,000

Industry Focus: Advanced Manufacturing

Private Sector Partners include the Manufacturing Institute (MI) at the National Association of Manufacturers (NAM) and employers such as Toyota, Mazda-Toyota Manufacturing USA, Snap-On Tools, Vanity Fair/Wrangler, and Packaging Corporation of American.

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

The ALAMAP Project (Alabama Advanced Manufacturing Apprenticeship Program) seeks to narrow the manufacturing skill gap by expanding industry-recognized apprenticeships through a three-tiered approach, involving: (1) Quick-Start pre-apprenticeships that lead to nationally recognized Manufacturing Skill Standards Council certifications and prepare individuals for in-depth apprenticeships or entry-level employment as a certified production or logistics technician; (2) Short-term apprenticeship programs (referred to as ALAMAPs), which are embedded in a variety of traditional career and technical education programs supporting advanced manufacturing, and which result in a short-term certificate, long certificate, or associate's degree; and (3) Comprehensive FAME apprenticeships, which are 21-month advanced manufacturing technician (AMT) programs that lead to an associate's degree and a career as a multi-skilled advanced maintenance technician in advanced manufacturing. Developed originally by Toyota, the FAME AMT apprenticeship is a nationally awarded, earn-and-learn model currently in use by more than 300 companies in 10 states, across 24 chapters comprising the FAME network. The ALAMAP Project is building on this work by creating four new, short-term ALAMAPs and 22 new, comprehensive FAME AMT apprenticeships.

To scale the project nationally, the ALAMAP Project is first expanding the FAME AMT apprenticeship model and short-term ALAMAPs to other colleges and companies statewide. For instance, it is implementing ALAMAPs at 22 colleges covering the entire state, embedding for-credit, paid apprenticeships of one-to-two semesters in all career and technical programs that train for occupations supporting advanced manufacturing. The project will then modify the curriculum for use in other manufacturing sectors statewide, such as aerospace/aviation, oil refining, chemical processing, ship building, and forestry product manufacturing. It also will create a modular curriculum and training framework that can be adapted for use in training for any occupation in any industry. National industry association partner MI-NAM will scale this curriculum and the new apprenticeship models through its partner network nationwide.

The Alabama Community College System consists of Beville State CC, Bishop State CC, Calhoun CC, Central Alabama CC, Chattahoochee Valley CC, Coastal Alabama CC, Drake State CTC, Enterprise State CC, Gadsden State CC, Ingram State TC, Jefferson State CC, Lawson State CC, Northeast Alabama CC, Northwest-Shoals CC, Reid State TC, Shelton State CC, Snead State CC, Southern Union State CC, Trenholm State CC, Wallace CC-Dothan, Wallace State CC, Wallace CC-Selma, Lurleen B. Wallace CC, and Marion Military Institute.