

Miami Dade College – Miami, FL

Award Amount: \$1,987,204

Project Name: Miami Dade Apprenticeship Partnership in Information Technology (MAP IT)

Projected Apprentices to Be Served: 800

Industry Focus: Information Technology

Private Sector Partners include the Computing Technology Industry Association (CompTIA), and additional employers, such as Kaseya

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

The Miami Dade Apprenticeship Partnership in Information Technology (MAP IT) is developing and implementing new and expanded IRAPs to fill hiring gaps within Florida's growing technology hub. It also aims to expand the existing RAP model to include nontraditional apprenticeship occupations in the IT industry. (Currently, the state-registered apprenticeship program includes five traditional apprenticeships, none of which exist in IT or IT-related industries.) In particular, MAP IT is designing three models of apprenticeship programs: (1) Front-Loaded, which assists participants who have received related technical instruction (RTI), but no on-the-job training (OJT), and are extensions of previous USDOL grants (including H-1B TechHire); (2) Hybrid-Based, in which both RTI and OJT run concurrently for a specified period of time and result in an industry-recognized credential; and (3) Competency-Based, in which RTI and OJT run concurrently for a shortened period of time and result in an industry-recognized credential, with advancement through the program based on certification attainment and demonstration of technical skill mastery.

In particular, the project is adapting O3E (Open-Entry/Early Exit) – a competency-based, non-term, rolling enrollment, self-paced, and faculty-mentored model – for IT apprenticeship programs. O3E offers credit courses in one-credit, competency-aligned modules and builds in competency assessments and multiple entry and exit points to accommodate employer skill needs. The O3E cybersecurity credit-bearing certificate program, which is aligned with four industry certifications, is intended for students with work experience in IT who need advanced, specialized preparation to fill cybersecurity jobs across industry sectors.

To scale the project, partners Jobs for the Future and the American Association of Community Colleges will promote MAP IT programs to a broad network of associated partners, industry groups, and local employers by leveraging their existing relationships, current and prior work, and national workforce and economic development networks. The initiative will also leverage its relationship with CompTIA to scale the project nationally.

The IHE consortium member is Polk State College.