



*Industry leaders, partnering to build tomorrow's
Advanced Manufacturing workforce by upskilling U.S. Veterans* **Rockwell Automation**

TALENT IS HARD TO FIND



- Time to fill for technicians: **70-120 days**
- On pace for **2 million manufacturing jobs** to go **unfilled by 2025** in the U.S.



THERE'S A SKILLS MISMATCH RESULTING IN...



- Costly training to close the gap
- Longer time to productive employee: **90 days - 2 years**
- Attrition – cycle starts again



IT'S GOING TO GET WORSE



- **21%** of manufacturing workers retire in next 8 years
- **75%** of employers say **new** skills required over the next 2 years...and many cannot define them

The Workforce Skills Gap and the Risk to Productivity

The costs to source, recruit, assess, select and train are escalating *rapidly*. Skill requirements are evolving fast, making it harder for organizations to keep up, and the increased time to find and develop quality talent is negatively impacting your productivity.

Our Solution

The Advanced Academy of Manufacturing is an intensive 12-week program that certifies highly-skilled veterans for work in the high-demand role of Instrumentation & Automation Controls Technician (IACT).

THE BUSINESS IMPACT



Job Ready, Day 1



Current + Future Skills



Consistent Standard Across Talent Pool



Eliminates Time to Fill



Enables Employers to Hire Qualified Veterans
An Affirmative Action Priority



Certification Skill List

Graduates of the Academy of Advanced Manufacturing will be certified by Rockwell Automation to be capable of successful execution of the following:

- ✓ Creating and interpreting wiring diagrams used in an Industrial Automation and Control System (IACS)
- ✓ Describing, understanding, and troubleshooting the various factory floor mechanical components controlled by the various industrial automation equipment components itemized below
- ✓ Wiring and troubleshooting electrical systems containing fuses, pushbuttons, selector switches, relays, and other components
- ✓ Programming and operating small- and medium-scope Programmable Logic Controllers, and supporting projects associated with those controllers
- ✓ Troubleshooting Programmable Logic Controller projects containing various languages, as identified in the International Electro Technical Commission (IEC) 61131-3 standard
- ✓ Designing, programming, and troubleshooting plant floor and distributed Human Machine Interfaces (HMI)
- ✓ Tracing operational data from plant floor electro mechanical devices to the controller, HMI, and reporting tools within an IACS
- ✓ Performing a preventive maintenance schedule on plant floor equipment
- ✓ Starting-up, maintaining, and troubleshooting low voltage variable frequency drives, with power ranging from 1 HP to 300+ HP
- ✓ Troubleshooting layer 2 and layer 3 switches and routers within an industrial networking environment, in the support of Ethernet, as well as proprietary industrial networks