



## EPISODE 25: SHOW NOTES AND ACTION ITEMS

In this interview, you heard Lisa Masciantonio, Chief Workforce Officer at the Advanced Robotics for Manufacturing (ARM) Institute, discuss robotics and automation skills needed now and in the future. In reviewing workforce trends, her Institute has noticed a particularly large gap between the number of robotics technicians available and the number needed. To determine this, the ARM Institute's nearly 300 member organizations participated in a gap analysis involving surveys, interviews, workshops and summits. To begin addressing the gap, the Institute has outlined three promising career pathways: Robotics Technician, Robotics Specialist, and Robotics Integrator. These positions are described more fully at <https://www.roboticscareer.org/>. You can view the associated competency frameworks (including employability/soft skills) at <https://www.roboticscareer.org/careers>.

Your action item is to explore <https://www.roboticscareer.org/>.

If you have an education and training program consider, at the minimum, submitting your program for inclusion in their database. It is free to do so. In addition, there may be real value in your program becoming endorsed. The process is described here, <https://www.roboticscareer.org/endorsement>.

If you are a student, or employed but considering a career change, you can find relevant programs on the same website, <https://www.roboticscareer.org/>.

Lisa Masciantonio also mentioned that in researching future robotics and automation workforce needs, in addition to their internal data-gathering, they also used information from several outside organizations. You may find helpful information from the following sources: the U.S. Department of Labor [Bureau of Labor Statistics](#), U.S. Department of Education [Office of Career, Technical, and Adult Education](#), [Burning Glass](#), the [RAND Corporation](#), [MIT Workforce of the Future](#), [Deloitte](#) and [McKinsey](#).