PART 1: INTRODUCTION TO ROBOTICS IN MICROELECTRONICS AND MANUFACTURING

Interested in robotics but not sure where to start or how to further develop your skills?

Learners who have a high school diploma or GED are invited to apply for Part 1 in a series of free two-day, interactive and hands-on training courses designed to introduce students to industrial robotics programming, a critical asset to have in the semiconductor and microelectronics industries. No prior experience is necessary.

Friday, March 3	Saturday, March 4
2–5 p.m. (lecture) 5–7 p.m. (lab)	10 a.m.–noon (lecture) 1–3 p.m. (lab)

Training designed to prepare you for the workforce of the future

Offered by ASU's AZNext program and Manufacturing, Automation and Data Engineering Science and Technology Center, or MADE STC, and instructed by Sangram Redkar, associate professor in the School of Manufacturing Systems and Networks at ASU, students can expect to gain skills in problem-solving, communications, professional networking and programming, as well as:

- Clean room robotics
- Designing attributes of atmospheric robots
- Designing vacuum robots
- Kinematics of industrial robots
- Dynamics and control of industrial robots
- Robot calibration and troubleshooting
- Clean room requirements

Why is robotics in microelectronics and manufacturing important?

Industrial robots in advanced manufacturing settings are intended to operate at high speeds or in dangerous environments to keep up with high-tech demands. As a result, there is an increased need for trained technicians and engineers to design, program, troubleshoot and maintain these robots.

Apply today!

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Workforce Training Accelerator Partnership

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