

Robotic Vision Systems & End-of-arm Tooling

An Introduction

Two-day Course | Buffalo, NY



The **Robotic Vision Systems & End-of-arm Tooling** course offers an essential introduction to some of the more common end-of-arm-tooling options and applications and robotic vision systems. Structured as a practical overview for technical professionals who want to broaden their understanding of EOAT and vision systems, the course covers basic principles and provides hands-on experience centered around collaborative platforms.

Taught at EWI's Buffalo Manufacturing Works, Robotic Vision Systems & End-of-arm Tooling offers 15 professional development hours upon completion. If you are interested, contact Susan Witt, Manager of Industrial Training, at switt@ewi.org or 716.710.5538.



Robotic Vision Systems & End-of-arm Tooling Course Schedule

Day 1:	<ul style="list-style-type: none">- Applications requiring EOAT<ul style="list-style-type: none">- Type of EOAT- Advantage/disadvantage for each<ul style="list-style-type: none">- Prepare for EOAT- Setting up the I/O for emergency stops- Robot Setup<ul style="list-style-type: none">- TCP, Payload, and Orientation- Safety for different grippers- Create program for typical use
Day 2:	<ul style="list-style-type: none">- Overview of Common Sensor Types<ul style="list-style-type: none">- Camera Systems- Optical Systems- Integrating with Robot- Additional Software/configuration- Integrating 2D Camera<ul style="list-style-type: none">- Create Pick and Place System- Create a program on robot- Use camera to pick part from conveyor- Place part in bin