

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 info@ewi.org.



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

Day 1:	– Applications requiring EOAT – Type of EOAT – Advantage/disadvantage for each – Prepare for EOAT – Setting up the I/O for emergency stops – Robot Setup – TCP, Payload, and Orientation – Safety for different grippers – Create program for typical use
Day 2:	– Overview of Common Sensor Types – Camera Systems – Optical Systems – Integrating with Robot – Additional Software/configuration – Integrating 2D Camera – Create Pick and Place System – Create a program on robot – Use camera to pick part from conveyor – Place part in bin