

ADVANCED AUTOMATION & ROBOTICS TECHNOLOGY



The Advanced Automation and Robotics (AART) degree was developed with input from the Indiana Automotive Council, a group of world class employers including Cummins, Subaru, Chrysler, General Motors, Aisin USA, and Honda. It is designed to maximize student learning and outcomes by combining internships with applied classroom education in advanced manufacturing to best prepare students for exciting and potentially high paying careers. The program is modeled after the most effective and efficient way to train highly skilled employees — apprenticeships. AART provides paid internships for students not employed full time by the industry partners, and can be used as an apprenticeship for internal employees.

75 HOUR CO-OP PROGRAM ALLOWS STUDENTS TO GAIN ON-THE-JOB EXPERIENCE WITH INDIANA'S TOP COMPANIES

Ivy Tech Community College Wabash Valley has launched an academic, industry-blended 75-hour co-op program. Students will learn critical industrial automation/robotics maintenance skills and gain on-the-job experience. This approach includes an internship or co-op model that best prepares current and potential employees for advanced manufacturing maintenance careers.

Degrees & Certificates Offered (Wabash Valley Region):

Associate of Applied Science (AAS)
Technical Certificate (TC)
Certificate (CT)

Median Electro – Mechanical Technician Wage in Indiana:
\$27.21 hourly



[IVYTECH.EDU/ADVANCED-AUTOMATION-ROBOTICS](http://ivytech.edu/advanced-automation-robotics)
888-IVY-LINE

Certificate programs in this program are considered by the U. S. Department of Education to be "Gainful Employment" programs. Information about program length, cost, loan debt, graduates, and related occupations can be found at <http://www.IvyTech.edu/academics/gainful-employment.html>.

POINTS OF PRIDE

- ▶ New automation lab where students gain experience on actual industry-specific devices, including:
 - ▶ Yaskawa Motoman DX100 robot controller with MH5 robot
 - ▶ AB MicroLogix/CompactLogix PLCs and HMIs
 - ▶ Siemens S7-1200 PLCs and HMIs
 - ▶ Fanuc LR Mate 200iD/45 Robot with R-30iB Mate Controller
- ▶ Flexible schedule to accommodate paid internships
- ▶ Two to one student/equipment ratio
- ▶ Industry partners include: Sony DADC, Simonton Windows, ThyssenKrupp Presta, Novelis, and Ampacet

Typical Careers:

Manufacturing Engineer Technician
Manufacturing Controls Engineer
Robotics/Automation Technician
Electro-Mechanical Technician
Industrial Maintenance Mechanic
Production Supervisor
Industrial Machinery Mechanic

CONTACT INFORMATION

Molly Joseph
mjoseph22@ivytech.edu
812-298-2335