INCAP Student journey starting in 8th grade

ADVANCED MANUFACTURING AND LOGISTICS

Automation and Robotics Technician

4-YEAR APPRENTICESHIP

Automation and Robotics Technicians install, maintain, troubleshoot, and improve automated manufacturing systems that integrate robotics, mechanical equipment, controls, sensors, and software.

CAREER EXPLORATION AND APPLICATION PROCESS

(GRADES 8-10)

During 8th and 9th grade, students explore career options by working with a career advisor, visiting employer sites, and attending career fairs.

In **9th grade**, students interested in the INCAP Automation and Robotics Technician apprenticeship should tell their school counselor so they can update their four-year plan to meet the requirements.

In **10th grade**, students will **apply and interview** with an employer to be hired as an apprentice.

While the pay varies by employer and region, Automation and Robotics Technician apprentices are typically paid $14-26/hour for their time spent working and receiving on-the-job training, with the higher end of the range later in the program. The pay range for the final year varies based on the specialization track selected by the employer with input from the student.

FIRST AND SECOND YEARS OF APPRENTICESHIP

(GRADE 11, SUMMER AFTER GRADE 11, AND GRADE 12)

Students begin their apprenticeship in **11th grade,** spending **two full days** each week receiving on-the-job education and training. During the other three days, students take classes at their high school.

During the **summer after 11th grade**, the apprenticeship is **full time** (40 hours a week).

In **12th grade**, apprentices spend **three full days** each week with their employer and two days at school.

When they graduate high school, students will have met the key requirements for the **Employment Honors Plus diploma seal**, including a Credential of Value and at least 650 work-based learning hours.

THIRD AND FOURTH YEARS OF APPRENTICESHIP

(AFTER HIGH SCHOOL GRADUATION)

After graduating high school, apprentices work full time during the summer. Starting in the fall and for the remainder of their apprenticeship, they spend four full days each week working with their employer, with the fifth day spent completing relevant coursework.

During the final year, apprentices also complete a specialization track selected by their employer with input from the apprentice, such as a particular product line, process, or equipment set.

When apprentices complete the apprenticeship, they receive an INCAP credential recognized by manufacturers across the state as an indicator of four years of experience. The credential may also count toward college credit in a related degree program. This is in addition to various industry-recognized certifications students will earn throughout their apprenticeship.

STUDENTS HAVE OPTIONS FOR WHAT'S NEXT

Students who complete an INCAP Automation and Robotics Technician apprenticeship have the education and training to succeed no matter their next step.

WORKFORCE

Students are well-positioned to be hired by their employer, especially after completing a specialization track. The INCAP credential also will be recognized by manufacturers statewide, qualifying them for a variety of roles that are above entry-level.

INCAP CAREER PROGRAM

Students can complete additional work-based learning in advanced manufacturing through the INCAP Career Program and earn a professional degree equivalent to an academic bachelor's degree.

COLLEGE

Students can transition to the college pathway and likely finish a related degree faster because of the credit they may receive for their INCAP credential.

Learn by doing — and set yourself up for success.

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