CIRP 👍 ★★★★★ CERTIFIED

Certified Industrial Robotics Programmer

Developed and Administered by the ATMAE Board of Certification and Assessment

The Certified Industrial Robotics Programmer (CIRP) credential from the Association of Technology, Management, and Applied Engineering (ATMAE) recognizes individuals who demonstrate expertise in programming open-source industrial robots using the Blockly programming language and have completed 40 contact hours working with Open-Source Solutions' O-S Automation Lab and Curriculum.

Nationally Recognized Industrial-Based Certification, ANSI Accredited

ATMAE Certifications
A National Standard of Excellence

The Association of Technology, Management, and Applied Engineering (ATMAE) is a nationally recognized leader in professional certification for individuals in technology, applied engineering, and management. ATMAE administers a suite of industry-relevant certifications designed to validate skills, promote career advancement, and support academic and workforce development.

✓ Skill Areas Assessed

End Effectors
Understanding Live Control
Creating and Managing
Program Files
Using the Suction Cup Gripper
Using the Two-Finger Gripper
Repeat and Continuous Loop
Programming
Conveyors and Sensors
Wait Commands
Inputs and Outputs
Signal Light Programming
Palletizing Programming
Program Subroutines
Robot Speed Control

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ATMAE

CIRP
credential

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FAQs

Who adminsters the CIRP credential?

The CIRP credential was developed and is administered by ATMAE, the Association of Technology, Management, and Applied Engineering. ATMAE.org

What Curriculum is needed to prepare for the CIRP exam?

The O-S Automation Lab curriculum, which includes 40 contact hours of programming and integration with a ROS compatible uFactory Lite 6x open-source robotic arm.

What robotics and automation equipment is used to prepare for the CIRP exam?

The O-S Automation system, which includes a 24V conveyor, a palletizing module, a pick & place module, an LED signal light, a t-slot workstation, and the ROS-compatible uFactory Lite 6x open-source robotic arm.

How do you test for the certification?

Testing is completed through the ATMAE.org/certifications portal - $25 fee, per exam.

Are ATMAE certifications nationally recognized?

ATMAE certifications are nationally recognized, industrial-based credentials that are ANSI-accredited. (American National Standards Institute)
ATMAE is an academic, non-profit organization that was founded in 1969. They provide program accreditation, administer certifications, and publish the Journal of Technology, Management and Applied Engineering. ATMAE-certified professionals in technology and engineering career fields number in the thousands nationwide.

What industries recognize this certification?

uFactory Robotics, built on ROS/ROS2 open-source technology, recommends this certification to all of its industrial customers. Their customers come from a variety of industries that are innovating with open-source robotics: construction automation, food service, food vending, agricultural automation, machine tending, AGV tech, and industrial automation. Google and Intel are counted among their customers. Open-Source technology is growing and driving innovation in robotics and automation. According to the US Bureau of Labor Statistics, between now and 2035, 600k small to medium businesses will automate for the first time. This creates a significant job growth trajectory for students who are certified and understand open-source robotics, which is likely to be adopted by this market segment based on a lower acquisition cost and ease of use.

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