# UNIVERSAL ROBOTS ACADEMY

Educational Robotics Training – Core

UNIVERSAL ROBOTS

# ACCELERATING RICH CAREERS IN ROBOTICS FOR INDUSTRY 4.0

From The World's Leading Collaborative Robot Company

## TRAINING TODAY FOR TOMORROW'S ENGINEERS

Manufacturers have embraced the world of Industry 4.0, a world of machine learning, smart factories, and human-machine collaboration. And across the country, students at the middle, vocational, high school and college levels are learning how to *manufacture the future*, with the Universal Robots Program for Education. With the dire need for skills development in modern industry, and increased funding available for robotic workforce development, the Program for Education is the perfect launch pad to help educators prepare students for enriching careers in Industry 4.0.

## INDUSTRY-RECOGNIZED CERTIFICATION

Upon completion of the Educational Robotics Training – Core course work, a student receives 32 course credit hours and a Universal Robots industry-recognized Certification.

## COMPLETE CLASSROOM SUPPORT

The Universal Robots Educational package includes the complete curriculum, UR robot, hardware and software, and 24 course licenses. For institutions that already have robots, a Retro Package is available with course curricula, classroom support hardware and software.

*See reverse side for Package Details and Curriculum.*

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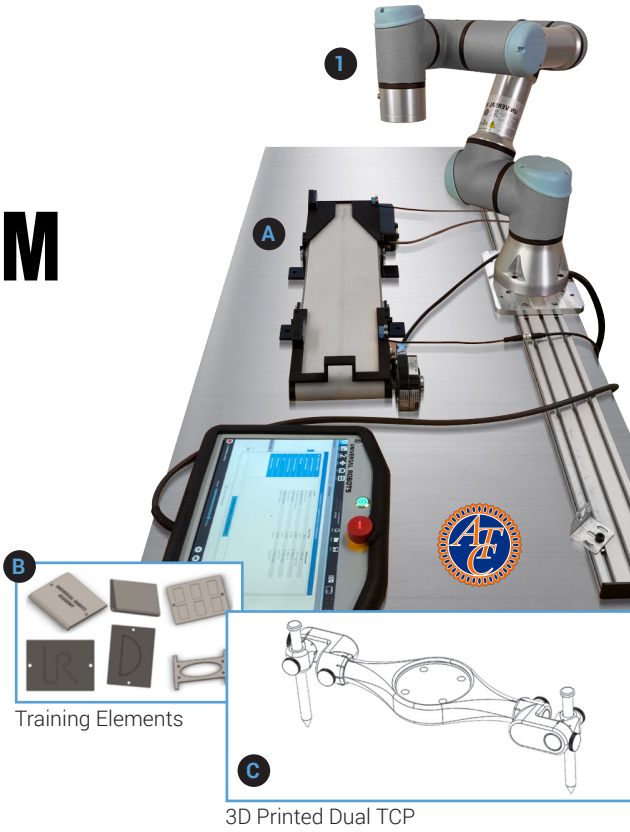
# A FULLY INTEGRATED PROGRAM




## UNIVERSAL ROBOTS EDUCATIONAL PACKAGE:

In addition to the formalized core curriculum with **30** licenses, the Educational package includes:

1. UR3e Robot Unit
2. Gripper Demo Kit (not shown)
3. UR Academy Hardware Set:
   - A One (1) conveyor assembly including conveyor, encoder, two (2) sensors and I/O simulation test box;
   - B Ten (10) 3D-printed training elements for exercises
   - C One (1) 3D-printed dual TCP
   - D Six (6) 3D-printed workpieces (not shown)

## CERTIFIED INSTRUCTION

For instructor certification, Universal Robots conducts a 4-day Teacher Certification Training Program.

## EDUCATIONAL ROBOTICS TRAINING – CORE CURRICULUM

The curriculum is delivered with a mixture of hands-on and in-class work, complete with pre- and post-testing, managed through Universal Robots Learning Management Software (LMS).

The curriculum encompasses 10 units / 32 credit hours of content:

1. Complete E-Learning
2. Safety
3. Intro to Robotics
4. The Robotics World
5. Getting Started
6. Operations And Motion
7. Programming
8. Palletizing
9. Features/Planes
10. Safety Settings

# THE TIME IS NOW

The $1.3 billion robotics education market is set to nearly triple to $3.1 billion in the next 5 years, according to market research firm MarketsAndMarkets. With the advent of Industry 4.0 – and its central principles of automation, autonomous communications and smart technology – now is the time to prepare the workforce of tomorrow for a future of limitless possibilities.

Visit *atctrain.com* to schedule a call or demonstration.

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