

SMART Education Program Training (US)

Exclusive to ABB is the SMART (Software, Maintenance, and Robotics Training) program, which is offered to qualifying Educational Institutions.



Education Program Options:

1. ABB SMART Trainer – Receive a Certificate of Completion and purchase ABB training curriculum
2. ABB Certified SMART Trainer – Attend a train the trainer session and be certified to teach
3. ABB Certified Affiliate Trainer - Teach ABB curriculum to students and industry professionals at your training facility

Education Program Details:

ABB's robotic packages for education offers schools, colleges and universities instant access to the latest in automation software and robotics technologies, including:

- ABB's IRB 120 robot on self-contained mobile cart
- IRC5 compact controller
- 100 licenses for RobotStudio
- Exclusive training and certification of instructors from educational institutions to train students on programming ABB robots
- Curriculum for programming and offline programming
- Additional options available

Benefit:

The SMART program can be utilized by schools to integrate robot training into their existing courses including Science, Technology, Engineering, and Math (STEM) initiatives.

Instructors will:

- Receive instant access to the latest in automation software and robotic technologies
- Obtain the skills to effectively teach students about robot applications after completing the SMART program
- Learn robotics from the ground up through the completion of our customized training course and hands-on training
- Receive a certificate of completion upon successful completion of the course
- Save time developing a training curriculum with the option to purchase ABB course materials

Students will:

- Learn about robotic cell hazards, health and safety, and maintenance requirements
- Utilize the same robots and software as in the industry, including the offline programming software RobotStudio
- Receive hands-on training
- Learn the latest automation technology while applying STEM

IRB 120

Specification			
Variants	Reach	Payload	Armload
IRB 120 - 3/0.6	580 mm	3 kg (4kg)*	0.3 kg

Physical	
Dimension robot base	180 X 180 mm
Dimension robot height	700 mm
Weight	25 kg

Electrical Connections	
Supply voltage:	Single phase 220/230 V, 50-60 Hz

IRC5 Compact Controller

Physical	
Size H x W x D	258 x 450 x 580 mm
Weight	27.5 kg

Electrical Connections	
Supply voltage:	1 phase 220/230 V, 50-60 Hz

RobotStudio 5.15

RobotStudio provides the tools to increase the profitability of your robot system by letting you perform tasks such as training, programming, and optimization without disturbing production.

Top 10 benefits of using RobotStudio

1. Risk Reduction: Robot reach, path, and cycle time is assured.
2. Quicker Start-up: Logic and motion are already developed.
3. Shorter Change-over: New parts easy to add by importing the CAD data.
4. Increase Productivity: Reduces weeks of potential programming down to days.
5. New usability features added each year.
6. Integrated RAPID Editor: Chromacoding & syntax checking intellisense for less debugging.
7. Available in 64 bit edition.
8. Intuitive Design: Provides a comfortable programming environment.
9. Signal Analyzer: Allows easy viewing of timing and handshaking, and easy debugging including joint limits, power consumption, and more.
10. Robot Position Monitor: Allows viewing of actual robot position on screen for more intuitive program design.



Contact Us

Christelle Keefer
Director of Training
Phone +1 .248.420.1675
Email: christelle.m.keeper@us.abb.com

www.abb.us/abbuniversity