
ROBOTICS

Safety, efficiency and productivity with ABB robots

Training course guide 2021



2021 course offerings



R101 AU IRC5 Programming (4 days)

Our R101 course covers the essential building blocks to enable you to competently program ABB Robots. You will create a working robot program from scratch.

Example topics include:

- Jogging and safety
- Fundamental programming concepts including co-ordinate systems, tool data, movement types, I/O handling
- System configuration
- Practical exercises
- Calibration and software installation
- Introduction of RobotStudio for Programmers

Pre-requisites: Basic computer skills • Laptop with RobotStudio (*optional*)



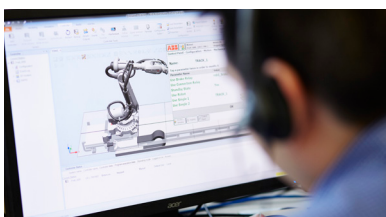
R102 AU IRC5 Advanced Programming (3 days)

Need to get more out of your ABB robots? Find out what they are capable of with our advanced course. This course aims to enhance program knowledge and is tailored to the specific needs of the customer.

Example topics include:

- Data manipulation, custom data types
- IRC5 User interface instructions
- Creating/using advanced procedures and functions
- Error handling and search functions
- Interrupts and motion events
- Practical use of RobotStudio for Programmers

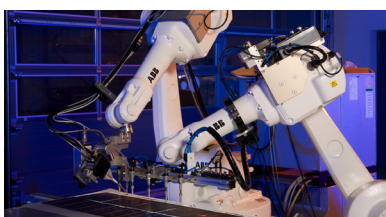
Pre-requisites: Completion of IRC5 programming course or equivalent practical experience • Laptop with current version of RobotStudio installed (no licence required)



R103 AU RobotStudio Simulation (3 days)

Unleash the power of ABB's RobotStudio simulation software. Learn how RobotStudio can be used in all stages of robotics integration, from the sales phase to final commissioning.

Pre-requisites: Completion of IRC5 programming course or equivalent practical experience • Laptop with current version of RobotStudio installed



R104 AU RobotStudio for Programmers (1 day)

Learn how RobotStudio can enhance your productivity as an ABB robot programmer, as well as optimising the use and efficiency of your robot. A must for commissioning engineers or those making frequent program changes to suit their production needs.

Pre-requisites: Completion of IRC5 programming course or equivalent practical experience • Laptop with current version of RobotStudio installed (no licence required)



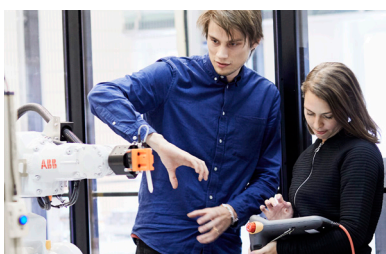
R105 AU ONSITE IRC5 User Training (1 day)

This course is designed to suit the needs of those on the factory floor working with robots daily.

Example topics include:

- Jogging
- Teach pendant navigation
- Making backups
- Calibration
- Getting out of trouble
- Making simple changes to the program (e.g. position touch-ups)
- Controller safety structure and hardware architecture

Pre-requisites: ABB robot user



R106 AU ON SITE One on One User Training (2 hours)

A shortened version of R105 AU with the added advantage of using your own site robots. Covers the same topics as R105 AU, with the exception of program modification/controller structure.

Pre-requisites: ABB robot user

2021 training course schedule

Course Code	Days	Location	Price Per Person	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
R101-AU IRC5 Programming	4	Melbourne	\$2,900.00	The below dates are availability only. Courses will be confirmed once the minimum participant numbers have been filled. Courses will be rolled over to the next available date if not completely filled.											
R102-AU IRC5 Advanced Programming	3	Melbourne	\$2,250.00	Week 4: 19th to 22nd	Week 7: 9th to 12th	Week 12: 16th to 19th	Week 16: 13th to 16th	Week 20: 11th to 14th	Week 24: 8th to 11th	Week 29: 13th to 16th	Week 33: 10th to 13th	Week 37: 7th to 10th	Week 42: 12th to 15th	Week 46: 9th to 12th	Week 50: 7th to 10th
R103-AU RobotStudio Simulation	3	Melbourne	\$2,250.00		Week 9: 23rd to 26th	Week 13: 23rd to 26th	Week 17: 20th to 23rd	Week 22: 25th to 28th	Week 26: 22nd to 25th	Week 31: 27th to 30th	Week 35: 24th to 27th	Week 40: 28th to 1st	Week 44: 26th to 29th	Week 49: 30th to 3rd	
R104-AU RobotStudio for Programmers	1	Melbourne	\$850.00	Dates to be organized as the participant numbers are filled. Minimum numbers are required for this course.											
R105-AU ONSITE - IRC5 User Training	1	All States	\$850.00												
R106-AU ON SITE - One on One User Training	2 hours/ person	All States	\$550.00	Minimum 2 persons per site basis - basic operator functions of the robot and teach pendant (on site using customer's robots). NOTE: Price excludes travel and associated costs - TBA											
R107-AU SPECIALISED On Request e.g. Troubleshooting Applications	1 to 4	POA	POA	Please call for a date and quote for training on your site											

How to book a course

Simply email robot_service@au.abb.com and provide the following information:

- Course name / title / description.
- Suitable date (see schedule above).
- The number of participants and their names (if available).
- Your company details and official purchase order number.
- At this time, a preliminary booking is made.
- Course hours promptly 8:30am – 16:30pm.

Confirmation of your booking

- Written confirmation of the course details and times will be sent to you approximately 1-2 weeks prior to course commencement.
- If payment has not been received by ABB 2 weeks prior to course commencement, the reserved position will be deemed vacant.

Cancellations

- If a cancellation must be made, please do this as soon as possible.
- Should cancellations be made less than one week prior to a course commencing, 50% of the course fee will be charged.
- If no cancellation is made and your participant does not attend, the full course fee will be charged.

Course fee

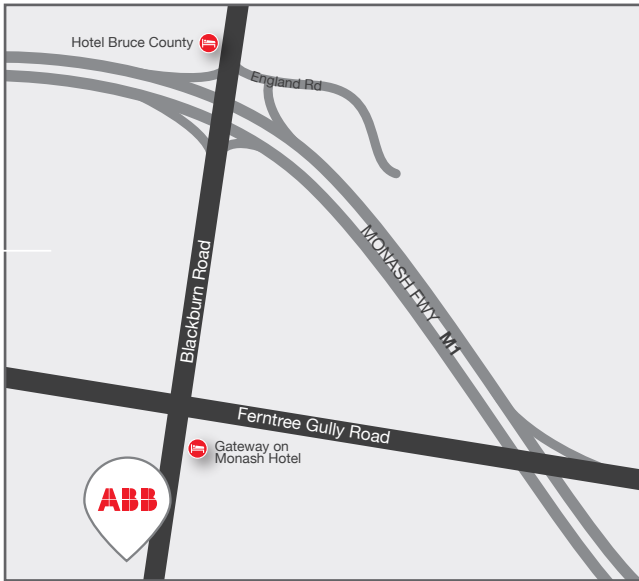
- The course fee includes all materials, documentation, refreshments and lunch (excluding on-site courses). Courses do not include travel, accommodation etc
- ABB reserves the right to change course schedules or cancel courses due to insufficient numbers booked on individual courses.
- Training vouchers will be issued for cancelled courses which have been paid for.

Please note: All prices indicated do not include the component of the Goods & Services Tax levy (10%), which shall apply (unless exempt).

Number of participants

- 3 = 5% discount on the per person price.
- 4–6 = 7.5% discount on the per person price.
- 7–9 = 10% discount on the per person price.
- 10 or more = 15% discount on the per person price.
- Note: the above discount rates do not apply to R106.

Our training location



VICTORIA

ABB Australia Pty Limited
601 Blackburn Road
Notting Hill VIC 3168

Notting Hill is 40-60 minutes from the Melbourne Airport via the M1 & M2.

Amenities close by:

- Gateway on Monash
- Bruce County Motor Inn
- Ibis Glen Waverley
- Novotel Glen Waverley

Recommended hotels have on-site restaurants (not all shown on map).
* Quest have chargeback facilities.

Other ABB locations:



NEW SOUTH WALES

ABB Australia Pty Limited
Bapaume Road
Moorebank NSW 2170

Moorebank is 30-50 minutes from the Sydney Airport via the M5.

Amenities close by:

- Holiday Inn Warwick Farm
- Mercure Liverpool
- Mercure Parramatta
- Quest Liverpool *

Recommended hotels have on-site restaurants (not all shown on map).
* Quest have chargeback facilities.

How to contact us regarding robot training

For training bookings or further information simply email robot_service@au.abb.com
confirmation of your booking will be emailed back to you.

Visit us online at www.new.abb.com/products/robotics/service/training

Phone: **1800 222 435**

ABB Group: www.new.abb.com

ABB Australia: www.new.abb.com/au