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

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.

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<thead>
<tr>
<th>Course Code</th>
<th>Days</th>
<th>Location</th>
<th>Price Per Person</th>
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<tbody>
<tr>
<td>R101-AU</td>
<td>4</td>
<td>Melbourne</td>
<td>$2,900.00</td>
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<tr>
<td>IRC5</td>
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<td>Week 4: 19th to 22nd</td>
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<tr>
<td>Programming</td>
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<td>Week 7: 9th to 12th</td>
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<tr>
<td>R102-AU</td>
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<td>IRC5</td>
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<td>Week 9: 23rd to 26th</td>
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<tr>
<td>Advanced Programming</td>
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<td>Week 11: 20th to 23rd</td>
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<tr>
<td>R103-AU</td>
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<td>IRC5</td>
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<td>Week 12: 16th to 19th</td>
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<tr>
<td>RobotStudio Simulation</td>
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<td>Week 15: 13th to 16th</td>
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<td>R104-AU</td>
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<tr>
<td>RobotStudio for Programmers</td>
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<td>Dates to be organized as the participant numbers are filled. Minimum numbers are required for this course.</td>
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<tr>
<td>R105-AU</td>
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<td>All States</td>
<td>$850.00</td>
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<tr>
<td>ONSITE - IRC5 User Training</td>
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<tr>
<td>R106-AU</td>
<td>2</td>
<td>All States</td>
<td>$550.00</td>
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<tr>
<td>ON SITE - One on One User Training</td>
<td></td>
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<td>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</td>
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<tr>
<td>R107-AU</td>
<td>1 to 4</td>
<td>POA</td>
<td>POA</td>
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<td>SPECIALISED On Request e.g. Troubleshooting Applications</td>
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<td>Please call for a date and quote for training on your site</td>
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</table>
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.

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