Comprehensive educational services

Flexible, focused training on Omron solutions

• Comprehensive coverage of Omron’s technologies
• Balance of theory and hands on training
• Varied offering with multiple training paths
• In person and online options
Help your employees succeed by giving them the comprehensive training they require. Omron’s educational services provide individual classes and guided training programs to help your team develop the expertise necessary to support your production.

With a strong emphasis on customer needs, our programs include both hands-on modules and theory-based learning. We keep the classes small and focused to insure the best possible learning experience.

We offer traditional in person classes either at your facility or one of our regional training centers. We also offer online training for many of our classes and have a large number of online e-learnings available at no charge.
Coursework tailored to
the needs of your employees

Omron’s programming and maintenance classes cover all of Omron’s technologies:

- Sysmac Automation Platform
- CX-One Automation Platform
- Advanced Sensing/Vision
- Safety
- Robotics
- Advanced Motion and Networks
- AOI/SPI/AXI Systems (Automated Optical, Solder and X-ray Inspection Systems)

Engineers and maintenance professionals require different training. We’ve optimized two separate educational tracks to fulfill the needs of both, however all courses are available to customize your own learning path.

For professionals who need to design systems from scratch, we offer programming courses. With a spotlight on key technologies, these courses train engineers on how to implement Omron’s solutions to achieve the maximum benefit.

For professionals who troubleshoot existing systems or repair parts of a production line, we have a series of maintenance courses. These include theoretical aspects but highlight system maintenance, fault diagnosis and rapid system recovery for higher overall equipment effectiveness.
Cerftification, skill building, and solution based classes

For those seeking a holistic approach to Omron technology, we offer a series of courses that are focused on general engineering, industry and safety solutions.

Our Skill Builder trainings are designed to help your team gain confidence in fundamental manufacturing skill sets such as machine safety.

Through our partnership with TUV Rheinland, Omron can provide the necessary training to achieve the prestigious TÜV Certification for Functional Safety Engineer. A Functional Safety Technician class is also available for maintenance personnel.
# Course listings

## Programming courses

<table>
<thead>
<tr>
<th>Course Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sysmac (NJ/NX/NA)</td>
<td>Programming, Motion Levels 1 &amp; 2, HMI, Safety, Robot Programming, ePLC Robot Programming</td>
</tr>
<tr>
<td>CX-One (CJ/CP/CS)</td>
<td>Programming Levels 1 &amp; 2</td>
</tr>
<tr>
<td>Robotics</td>
<td>Omron ACE Programming Levels 1 &amp; 2, Mobile Robot Programming and Fleet Management, Sysmac ePLC Robot Programming, Collaborative Robots</td>
</tr>
<tr>
<td>Advanced Motion &amp; Networks</td>
<td>Power PMAC Programming, Ethernet/IP</td>
</tr>
</tbody>
</table>

## Maintenance courses

<table>
<thead>
<tr>
<th>Course Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sysmac (NJ/NX/NA)</td>
<td>Controller, Motion, HMI, Safety</td>
</tr>
<tr>
<td>CX-One (CJ/CS/CP/NS)</td>
<td>Controller, HMI</td>
</tr>
<tr>
<td>Safety</td>
<td>G9SP Safety Controller, NE1A Safety Controller, NX-S Sysmac Safety Controller, MS4800 Safety Light Curtain, F3SG Safety Light Curtain, OS32C Laser Scanner</td>
</tr>
<tr>
<td>Robotics*</td>
<td>sCobra/eCobra 600-800 Maintenance &amp; Calibration, sCobra/eCobra 600-800 Calibration Only</td>
</tr>
</tbody>
</table>

## Certification, skill builders and solutions-based courses

<table>
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<th>Course Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Functional Safety Machinery</td>
<td>TUV Functional Safety Engineer Level, Functional Safety Technician Level</td>
</tr>
<tr>
<td>Safety Skill Builder</td>
<td>Contact us for course specifics</td>
</tr>
<tr>
<td>Inspection Systems for Printed Circuit Boards</td>
<td>Solder Paste Inspection, Post-Reflow Automated Optical Inspection (AOI), X-Ray Inspection</td>
</tr>
</tbody>
</table>

We are constantly adding to our courses. Please feel free to contact us to learn about any new educational developments.

*Additional robotics maintenance classes are available through our Field Service team.*
Controllers & I/O
- Machine Automation Controllers (MAC) • Motion Controllers
- Programmable Logic Controllers (PLC) • Temperature Controllers • Remote I/O

Robotics
- Industrial Robots • Mobile Robots

Operator Interfaces
- Human Machine Interface (HMI)

Motion & Drives
- Machine Automation Controllers (MAC) • Motion Controllers • Servo Systems
- Frequency Inverters

Vision, Measurement & Identification
- Vision Sensors & Systems • Measurement Sensors • Auto Identification Systems

Sensing
- Photoelectric Sensors • Fiber-Optic Sensors • Proximity Sensors
- Rotary Encoders • Ultrasonic Sensors

Safety
- Safety Light Curtains • Safety Laser Scanners • Programmable Safety Systems
- Safety Mats and Edges • Safety Door Switches • Emergency Stop Devices
- Safety Switches & Operator Controls • Safety Monitoring/Force-guided Relays

Control Components
- Power Supplies • Timers • Counters • Programmable Relays
- Digital Panel Meters • Monitoring Products

Switches & Relays
- Limit Switches • Pushbutton Switches • Electromechanical Relays
- Solid State Relays

Software
- Programming & Configuration • Runtime