The following instructor-led courses will be taught at Honeywell Intelligrated regional offices. A Honeywell Intelligrated, PMMI-certified trainer will lead each course, enrolling a maximum of 12 attendees per session. Our goal is to provide quality education, discussions and hands-on experience, while enhancing your skills.

All courses will include:

- A brief overview of safety skills, LOTO and CEMA topics
- Group discussion and Q&A
- Training materials
- Hands-on experience (limited, read course descriptions for details)
- Lunch and snacks (full-day attendance required)
- 30-day subscription to related eLearning courses

### Basic Electricity for Maintenance Personnel

Training course designed to introduce electrical theory and concepts, including the study of matter and how it relates to electron flow, as well as how voltage, ohms and amperes interrelate in electrical circuits. Course emphasizes the application and troubleshooting of electrical devices in a material handling system. Reading electrical schematics and using multimeters to measure voltage, current and resistance is also included. Instructors emphasize safety and safe practices, and may tailor the course to the location or participant needs.

**Course Length:** 4 hours  
**Prerequisites / Audience:** Personnel with limited or no experience with electrical maintenance  
**Class Size:** 6 minimum, 12 maximum  
**Cost:** $365 / person
Regional Training Courses

Electrical Systems & Troubleshooting

Training course designed to provide an understanding of the operation, preventive maintenance, troubleshooting and repair of controls used for material handling systems. Course includes information on electrical concepts, reading electrical schematics, understanding control panel wiring, motor control circuits, networks, I/O, electrical devices and troubleshooting. Instructors emphasize safety and safe practices.

Course Length: 4 hours
Prerequisites / Audience: Basic Electricity for Maintenance Personnel Training course or equivalent knowledge, or maintenance personnel with electrical or electronics familiarity or experience, including lead maintenance technicians and supervisors
Class Size: 6 minimum, 12 maximum
Cost: $365 / person

Motor Control Devices & Troubleshooting

Training course designed to provide an understanding of the operation, maintenance and troubleshooting motor control devices and circuits. This course includes training on variable frequency drives, soft starts, servo drives and encoders. Motor control system demo kits will be available for hands-on exercises and troubleshooting.

Course Length: 4 hours
Prerequisites / Audience: Maintenance personnel with electrical or electronics familiarity or experience, including lead maintenance technicians and supervisors
Class Size: 6 minimum, 12 maximum
Cost: $365 / person

Profibus Networking

Training course designed to provide a comprehensive overview of networking and Profibus network configurations, diagnostics and troubleshooting. Topics include nodes, I/O systems, sensors, repeaters and termination resistors, as well as diagnostics and troubleshooting. A Profibus analyzer and ICW/BOSS III demo kit with a Profibus network will be available for hands-on exercises and troubleshooting.

Course Length: 4 hours
Prerequisites / Audience: Maintenance personnel with electrical or electronics familiarity or experience, including lead maintenance technicians and supervisors
Class Size: 6 minimum, 12 maximum
Cost: $365 / person
Regional Training Courses

InControlWare® Control System

Training course designed to provide an understanding of the operation, maintenance and troubleshooting using the InControlWare control system. The course will cover common features, operations and reporting, as well as maintenance and scanner diagnostics, alarms and events and troubleshooting. An InControlWare control system demo kit will be available for hands-on exercises and troubleshooting.

**Course Length:** 4 hours  
**Prerequisites / Audience:** Operations, maintenance and supervisory personnel responsible for operating and maintaining the material handling system  
**Class Size:** 6 minimum, 12 maximum  
**Cost:** $365 / person

BOSS® III Control System

Training course designed to provide an understanding of the operation, maintenance and troubleshooting using the BOSS III control system. The course will cover common features, operations and reporting as well as maintenance and scanner diagnostics, alarms and events and troubleshooting. A BOSS III control system demo kit will be available for hands-on exercises and troubleshooting.

**Course Length:** 4 hours  
**Prerequisites / Audience:** Operations, maintenance and supervisory personnel responsible for operating and maintaining the material handling system  
**Class Size:** 6 minimum, 12 maximum  
**Cost:** $365 / person

Basic Programmable Logic Controllers (PLC)

Training course designed to provide an understanding of the operation, maintenance and troubleshooting of Programmable Logic Controllers (PLC). The course will explain how to interface with various PLC technologies, understand the applications, modify configurations, as well as basic programming and troubleshooting. There will be a focus on Allen Bradley and Modicon systems. Additional topics include basic input and outputs, PLC addressing, LED indications, monitoring the system, search content and more. A PLC demo kit will be available for hands-on exercises and troubleshooting.

**Course Length:** 8 hours  
**Prerequisites / Audience:** Maintenance and controls technicians responsible for operating and maintaining the material handling system  
**Class Size:** 6 minimum, 12 maximum  
**Cost:** $725 / person
Regional Training Courses

Belt Joining Training

Belt joining is a key maintenance procedure that can affect many aspects of the facility. This training course is designed to teach maintenance personnel the correct method of joining belts and technical tips on increasing the life of the belt and lacing. The training includes mechanical lacing and thermal welding for both the standard and heavy-duty belts on IntelliQ Zero Pressure Accumulation conveyors. Lacing equipment will be available for hands-on exercises.

Course Length: 4 hours
Prerequisites / Audience: Maintenance personnel and supervisors responsible for maintaining the material handling system
Class Size: 6 minimum, 12 maximum
Cost: $365 / person

Tilt Tray Maintenance

Training course designed to provide an understanding of the operation, preventive maintenance, troubleshooting and repair of tilt tray and cross belt sorters. Topics include critical path overview, timing adjustments, induction overview and maintenance and repair procedures.

Course Length: 4 hours
Prerequisites / Audience: Maintenance personnel with mechanical or industrial experience, including lead maintenance personnel and supervisors
Class Size: 6 minimum, 12 maximum
Cost: $365 / person

Tilt Tray InControlWare®

Training course designed to provide an understanding of the operation, maintenance and troubleshooting of tilt tray and cross belt sorters using the InControlWare control system. The course will cover common features, operations and reporting as well as maintenance and scanner diagnostics, alarms and events and troubleshooting. An InControlWare control system demo kit will be available for hands-on exercises and troubleshooting.

Course Length: 4 hours
Prerequisites / Audience: Operations, maintenance and supervisory personnel responsible for operating and maintaining the material handling system
Class Size: 6 minimum, 12 maximum
Cost: $365 / person

Medium Speed Palletizer Introduction

Training course that focuses specifically on the 780, 880, 890, and 900 right angle palletizers. Topics include operations instructions, service and maintenance, an electrical overview and troubleshooting. (Please note that this course will not cover high speed, straight-through or inline palletizers.)

Course Length: 8 hours
Prerequisites / Audience: Operation and maintenance personnel responsible for operating and maintaining medium speed palletizers
Class Size: 6 minimum, 12 maximum
Cost: $725 / person
Regional Training Courses

Course Dates and Locations

<table>
<thead>
<tr>
<th>Course Date</th>
<th>Cancellation Date (for partial refund)</th>
<th>Regional Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>February 25-31, 2019</td>
<td>February 11, 2019</td>
<td>Irving, TX</td>
</tr>
<tr>
<td>March 25-29, 2019</td>
<td>March 11, 2019</td>
<td>Ontario, CA</td>
</tr>
<tr>
<td>April 29, May 3, 2019</td>
<td>April 15, 2019</td>
<td>Woodridge, IL</td>
</tr>
<tr>
<td>June 3-7, 2019</td>
<td>May 20, 2019</td>
<td>Mason, OH</td>
</tr>
<tr>
<td>July 22-26, 2019</td>
<td>July 8, 2019</td>
<td>Alpharetta, GA</td>
</tr>
<tr>
<td>August 26-30, 2019</td>
<td>August 12, 2019</td>
<td>Somerset, NJ</td>
</tr>
</tbody>
</table>

Regional Locations and Contact Information

<table>
<thead>
<tr>
<th>Regional Location</th>
<th>Address</th>
<th>Contact</th>
<th>Phone</th>
<th>Fax</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mason, OH</td>
<td>7901 Innovation Way Mason, OH 45040</td>
<td>Michelle Lay</td>
<td>513.701.7337</td>
<td>513.701.5685</td>
</tr>
<tr>
<td>Woodridge, IL</td>
<td>9014 Heritage Pwy Woodridge, IL 60517</td>
<td>Jennifer Dewey</td>
<td>630.985.4342</td>
<td>630.985.4351</td>
</tr>
<tr>
<td>Alpharetta, GA</td>
<td>13560 Morris Rd Alpharetta, GA 30004</td>
<td>Rachel Marsal</td>
<td>678.366.8063</td>
<td>678.366.8064</td>
</tr>
<tr>
<td>Irving, TX</td>
<td>125 E. John Carpenter Fwy Irving, TX 75062</td>
<td>Heather Smith</td>
<td>972.581.2916</td>
<td>972.581.2933</td>
</tr>
<tr>
<td>Somerset, NJ</td>
<td>265 Davidson Ave Somerset, NJ 08873</td>
<td>Liz Michaels</td>
<td>732.357.1252</td>
<td>732.357.1800</td>
</tr>
<tr>
<td>Ontario, CA</td>
<td>3633 Inland Empire Blvd Ontario, CA 91764</td>
<td>Susan Porter</td>
<td>916.772.6800</td>
<td>916.772.6900</td>
</tr>
</tbody>
</table>

Registration / Cancellation Policies

Registration: Phone: Jim Mueller, 314.813.2424
Email: Send completed registration form to James.Mueller@Honeywell.com
Fax: Send completed registration form to 888.278.4267

Once a regional course is confirmed, a detailed letter will be sent to the email address given at the time of registration; including pertinent class details, driving directions, and area hotels.

Cancellation: Courses confirmed ONLY after 6-person minimum registration is met.
Note: Classes may be cancelled if minimum attendance is not met. Do not book non-refundable travel and accommodations until course confirmation is received.
Cancellation Fees: (see posted cancellation dates above)
Prior to the cancellation date: $50 (for any 4-hour course) or $100 (for any 8-hour course)
Cancellations after the posted date results in no refund
Regional Training Courses

Registration Form
Complete and submit this form:
• Via email: James.Mueller@Honeywell.com
• Via fax: 888.278.4267

Please complete one registration form per attendee

Training Dates
- February 25-March 1, 2019
- March 25-29, 2019
- April 29, May 3, 2019
- June 3-7, 2019
- July 22-26, 2019
- August 26-30, 2019

- Basic Electricity for Maintenance Personnel
- Electrical Systems & Troubleshooting
- Belt Joining Training
- Motor Control Devices & Troubleshooting
- Tilt Tray Maintenance
- Profibus Networking
- Tilt Tray InControlWare
- InControlWare® Control System
- Medium Speed Palletizer Introduction
- BOSS® III Control System

Training Attendee

Name

Company

Address

Phone

Email

Please list any additional information here (including dietary and disability considerations):

For more information
www.intelligrated.com
https://www.intelligrated.com/en/services/training

Honeywell Intelligrated
7901 Innovation Way
Mason, Ohio 45040 USA
866.936.7300
www.intelligrated.com