Course Description
Advanced Specialist/Application School (US055)

The Advanced Specialist / Application training program provides participants with the background necessary to assess customer needs based on application type and apply communication interface options to meet requirements. This curriculum combines both web based learning modules and instructor led classroom training to maximize benefits to participants.

These schools are held at the ABB New Berlin, Wisconsin Training Center. Schools are subject to certain limitations (i.e. pre-requisites, minimum class size, equipment availability, etc.). Access [www.abb-drives.com](http://www.abb-drives.com) or contact your local ABB Sales Representative for more details.

Enrollment is limited. To ensure timely processing of your enrollment, we recommend that you enroll at least 30 days prior to the class scheduled date.

### Course Duration
The duration is 2 days. (Class begins on Thursday morning, ends Friday mid-afternoon)

### Course Type
The course is an instructor-led session with heavy emphasis on “hands-on” lab activities.

### Course Goal
Communication basics / Software applications (Drives Window)
In-depth study of application macros / hands-on exercises
In-depth programming, using advanced software features of the drives

### Student Profile
This training is targeted to authorized ABB Industrial Distributor, Outside Sales or Drives Specialist

### Prerequisites and Recommendations
Students should have...
- Successful completion of the Industrial Product Sales School (US101)
- Solid understanding of AC drive fundamentals
- General background in ACS 350, 550, 800 programming / features
- General background in ABB Industrial drive features / capabilities

### Course Objectives
Upon completion of this course, students will be able to:
- Program the ACS 350, 550, 800 Industrial Drives, focusing on advanced features
- Properly address programming, hardware and software issues with customers
- Properly set-up and operate the ACS 350, 550, 800 Industrial drives through communications

### Main Topics
- Serial & Fiber Optic Communications
- Applications / Programming
- Communication Software & PLC Interface
- PID Control, Pump Fan Control
- Troubleshooting Software
- Drives Window SW Overview
- Unique Drive Features
- AC/DC Dyne Demonstration/Hands-on
- Adaptive Programming
- Advanced Drive Features / Hands-on

### Course Calendar

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<td>Review of Drive Programming</td>
<td>PLC Commun’s Basics</td>
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<td>ACS 350, 550, 800 Programming</td>
<td>Application Specifics</td>
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<td>Load Sharing</td>
<td>Flux Braking</td>
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<td>Advanced Macro use</td>
<td>PID, Pump/Fan Communications (Dr. Wind Lite)</td>
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<td>Unique Drive Features</td>
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<td>Hands-on Lab</td>
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