
ABB Training Center, Västerås

Classroom and online training, March-August 2023



March

Template for training course

SE807

Course title and course number

SE807 - System 800xA with AC 800M
Hardware Maintenance and
Troubleshooting

Classroom training 3 days

Date, location and cost

Week 11 Tuesday March 14th – Thursday
16th

Location: Västerås, Sweden

Language: Swedish

Price: 22 110 SEK

This course can be held on request In
Västerås or at your location. Available both
in English and Swedish.

Short introduction of the course

The goal of this course is to learn how to
troubleshoot and maintain a AC800M
hardware in a System 800xA.

https://new.abb.com/docs/librariesprovider104/ct-dokument-se/se807-01-kursbeskrivning---reve.pdf?sfvrsn=1cf64316_2

Template for training course

T305

Course title and course number

T305 -System 800xA - Administration and Installation

5 days Online training

Date, location and cost

Week 11 Monday March 13th – Friday 17th

Language: English

Price: 34 000 SEK

This course can be held online on request.
Available only in English.

Short introduction of the course

The goal of this course is to learn the Administration and Installation of Extended Automation System 800xA. You also get to plan a complete system architecture.

https://view.officeapps.live.com/op/view.aspx?src=https%3A%2F%2Fnew.abb.com%2Fdocs%2Flibrariesprovider104%2Fct-sweden%2Ft305-01-course-description---reve.doc%3Fsfvrsn%3Deaa63b16_2&wdOrigin=BROWSELINK

Template for training course

T315C - Online

Course title and course number

T315C - System 800xA with AC 800M Engineering, Part 1 – Control Builder

Online training 4 days

Date, location and cost

Week 12 Tuesday March 20th – Friday 24th

Language: English

Price: 27 280 SEK

This course can be held on request In Västerås, at your location or remote as a company course. Available both in English and Swedish.

Short introduction of the course

The goal of this course is to learn the engineering of a complete control project. This through build and manage a complete control project, with focus on configure the controller and IO. Part 1 of 2.

Note that this course is split in two parts and the follow-up course is T315H for the Human System Interface (HSI) configuration.

https://new.abb.com/docs/librariesprovider104/ct-dokument-se/t315c-01-course-description---revi_sede7127eec1f463c09537ff0000433538.pdf?sfvrsn=f4854416_2

Template for training course

T315C

Course title and course number

T315C - System 800xA with AC 800M Engineering, Part 1 – Control Builder

Classroom training 4 days

Date, location and cost

Week 12 Tuesday March 21st – Friday 24th

Location: Västerås, Sweden

Language: Swedish

Price: 29 480 SEK

This course can be held on request in Västerås, at your location or remote as a company course. Available both in English and Swedish.

Short introduction of the course

The goal of this course is to learn the engineering of a complete control project. This through build and manage a complete control project, with focus on configure the controller and IO. Part 1 of 2.

Note that this course is split in two parts and the follow-up course is T315H for the Human System Interface (HSI) configuration.

https://new.abb.com/docs/librariesprovider104/ct-dokument-se/t315c-01-course-description---revi_sede7127eec1f463c09537ff0000433538.pdf?sfvrsn=f4854416_2

Template for training course

SE807

Course title and course number

SE807 - System 800xA with AC 800M
Hardware Maintenance and
Troubleshooting

Classroom training 3 days

Date, location and cost

Week 12 Tuesday March 21st – Thursday
23rd

Location: Västerås, Sweden

Language: Swedish

Price: 22 110 SEK

This course can be held on request In
Västerås or at your location. Available both
in English and Swedish.

Short introduction of the course

The goal of this course is to learn how to
troubleshoot and maintain a AC800M
hardware in a System 800xA.

https://new.abb.com/docs/librariesprovider104/ct-dokument-se/se807-01-kursbeskrivning---reve.pdf?sfvrsn=1cf64316_2

Template for training course

E143

Course title and course number

E143 – Expert Workshop - System 800xA
Troubleshooting Core System

Classroom training 5 days

Date, location and cost

Week 12 Monday March 20th – Friday 14th

Location: Västerås, Sweden

Language: English

Price: 34 000 SEK

This course can be held on request In
Västerås. Available both in English and
Swedish.

Short introduction of the course

Accurate system service and professional troubleshooting is a prerequisite of high system availability. The students learn in depth troubleshooting methods and tools for the System 800xA core system. After this workshop the students are prepared to provide superior service for 800xA systems.

https://library.e.abb.com/public/dee97999b8c03e21c1257a250019355c/3BDS011567-143_I_en_800xA_Expert_Workshop_E143_-_Troubleshooting_800xA_Core_System.pdf

Template for training course

T315H

Course title and course number

T315H - System 800xA with AC 800M Engineering, Part 2 – Human System Interface

Classroom training 4 days

Date, location and cost

Week 13 Tuesday March 28th – Friday 31st

Language: English

Price: 29 480 SEK

This course can be held on request In Västerås, at your location or remote as a company course. Available both in English and Swedish.

Short introduction of the course

The goal of this course is to learn the engineering of a complete control project. Through build and manage a complete control project, with focus on Human Machine Interface (HMI). Part 2 of 2.

Note that this course is split in two parts and the pre-course is T315F or T315C for the controller configuration.

[t315h-01-course-description---revh_se.pdf \(abb.com\)](#)

Template for training course

T309

Course title and course number

T309 - System 800xA Safety – AC 800M
High Integrity Configuration and
Maintenance
Classroom training 4 days

Date, location and cost

Week 13 Monday March 27th – Thursday
30th
Language: English
Price: 34 000 SEK

This course can be held on request In
Västerås. Available both in English and
Swedish.

Short introduction of the course

The goal of this course is to learn the
configuration and maintenance of the
Extended Automation System 800xA with
AC 800M High Integrity controller.

https://new.abb.com/docs/librariesprovid er104/ct-dokument-se/t309 - _safety_ac_800m_high_integrity.pdf?sfvrs n=3acc6b16_2



April

Template for training course

T315H - Online

Course title and course number

T315H - System 800xA with AC 800M Engineering, Part 2 – Human System Interface

Online training 4 days

Date, location and cost

Week 16 Tuesday April 18th – Friday 21st

Language: English

Price: 27 280 SEK

This course can be held on request In Västerås, at your location or remote as a company course. Available both in English and Swedish.

Short introduction of the course

The goal of this course is to learn the engineering of a complete control project. Through build and manage a complete control project, with focus on Human Machine Interface (HMI). Part 2 of 2.

Note that this course is split in two parts and the pre-course is T315F or T315C for the controller configuration.

[t315h-01-course-description---revh_se.pdf \(abb.com\)](#)

Template for training course

T315C

Course title and course number

T315C - System 800xA with AC 800M Engineering, Part 1 – Control Builder

Classroom training 4 days

Date, location and cost

Week 16 Tuesday April 18th – Friday 21st

Location: Västerås, Sweden

Language: English

Price: 29 480 SEK

This course can be held on request In Västerås, at your location or remote as a company course. Available both in English and Swedish.

Short introduction of the course

The goal of this course is to learn the engineering of a complete control project. This through build and manage a complete control project, with focus on configure the controller and IO. Part 1 of 2.

Note that this course is split in two parts and the follow-up course is T315H for the Human System Interface (HSI) configuration.

https://new.abb.com/docs/librariesprovider104/ct-dokument-se/t315c-01-course-description---revi_sede7127eec1f463c09537ff0000433538.pdf?sfvrsn=f4854416_2

Template for training course

A331

Course title and course number

A331 - Advant Controller 400 with MasterPiece 200 Configuration and Operation

Classroom training 4 days

Date, location and cost

Week 16 Tuesday April 18th – Friday 21st

Location: Västerås, Sweden

Language: English

Price: 34 000 Sek

This course can be held on request In Västerås. Available both in English and Swedish.

Short introduction of the course

Learn to operate and configure the Advant Controller 400 or MasterPiece 200. Create and maintain applications using AMPL (Advant Master Programming Language)

https://new.abb.com/docs/librariesprovider104/ct-dokument-se/a331-rev3.pdf?sfvrsn=82c76b16_2

Template for training course

T315C

Course title and course number

T315C - System 800xA with AC 800M Engineering, Part 1 – Control Builder

Classroom training 4 days

Date, location and cost

Week 17 Tuesday April 24th – Friday 28th

Location: Västerås, Sweden

Language: Swedish

Price: 29 480 SEK

This course can be held on request In Västerås, at your location or remote as a company course. Available both in English and Swedish.

Short introduction of the course

The goal of this course is to learn the engineering of a complete control project. This through build and manage a complete control project, with focus on configure the controller and IO. Part 1 of 2.

Note that this course is split in two parts and the follow-up course is T315H for the Human System Interface (HSI) configuration.

https://new.abb.com/docs/librariesprovider104/ct-dokument-se/t315c-01-course-description---revi_sede7127eec1f463c09537ff0000433538.pdf?sfvrsn=f4854416_2

Template for training course

T315H

Course title and course number

T315H - System 800xA with AC 800M Engineering, Part 2 – Human System Interface

Classroom training 4 days

Date, location and cost

Week 17 Tuesday April 24th – Friday 28th

Location: Västerås, Sweden

Language: English

Price: 29 480 SEK

This course can be held on request In Västerås, at your location or remote as a company course. Available both in English and Swedish.

Short introduction of the course

The goal of this course is to learn the engineering of a complete control project. Through build and manage a complete control project, with focus on Human Machine Interface (HMI). Part 2 of 2.

Note that this course is split in two parts and the pre-course is T315F or T315C for the controller configuration.

[t315h-01-course-description---revh_se.pdf \(abb.com\)](#)

Template for training course

E163

Course title and course number

E163 – Expert Workshop – IT Security with System 800xA – Planning, Implementing and Testing Security Concepts

Online workshop 5 days

Date, location and cost

Week 17 Monday April 24th – Friday 28th

Language: English

Price: 34 000 SEK

This course can be held remote on request.

Short introduction of the course

The goal is to learn different approaches to cyber security for a careful planning and implementation of security measures. To get an understanding of cyber security mechanisms and solutions for control systems and explore in depth the System 800xA security model.

https://new.abb.com/docs/librariesprovid er104/ct-sweden/e163.pdf?sfvrsn=a83f3a16_2

Template for training course

T307

Course title and course number

T307 - System 800xA Batch Management,
Engineering and Operation

Online training 5 days

Date, location and cost

Week 17 Monday April 17th – Friday 21st

Location: Västerås, Sweden

Language: English

Price: 34 000 SEK

This course can be held online on request.
Available only in English.

Short introduction of the course

The goal of this course is to learn the operation and engineering of the Batch Management provided by the Extended Automation System 800xA.

https://new.abb.com/docs/librariesprovider104/ct-sweden/t307.pdf?sfvrsn=cb2d3a16_2



May

Template for training course

SE807

Course title and course number

SE807 - System 800xA with AC 800M
Hardware Maintenance and
Troubleshooting

Classroom training 3 days

Date, location and cost

Week 18 Wednesday May 3rd – Friday 5th

Location: Västerås, Sweden

Language: Swedish

Price: 22 110 SEK

This course can be held on request In
Västerås or at your location. Available both
in English and Swedish.

Short introduction of the course

The goal of this course is to learn how to
troubleshoot and maintain a AC800M
hardware in a System 800xA.

https://new.abb.com/docs/librariesprovid-er104/ct-dokument-se/se807-01-kursbeskrivning---reve.pdf?sfvrsn=1cf64316_2

Template for training course

SE122

Course title and course number

SE122 - Engineering, Function Designer

Classroom training 2 days

Date, location and cost

Week 18 Wednesday 3rd – Thursday 4th

Location: Västerås, Sweden

Language: Swedish

Price: 14 740 SEK

This course can be held on request In Västerås, at your location or remote as a company course. Available both in English and Swedish.

Short introduction of the course

The goal of this course is to learn the engineering with Function Designer as the engineering tool.

https://new.abb.com/docs/librariesprovider104/ct-dokument-se/se122-course-description---reva.pdf?sfvrsn=c7c26b16_2

Template for training course

E111

Course title and course number

E111 - Expert Workshop - Virtualization of Server Nodes using VMware ESXi

Online Workshop 4,5 days

Date, location and cost

Week 18 Tuesday May 2nd – Friday 5th

Language: English

Price: 34 000 SEK

This course can be held remote on request.

Short introduction of the course

Virtualization can be used in 800xA systems to combine multiple 800xA server nodes onto a single computer. This reduces the required computer space and hardware costs and simplifies the system maintenance. The students learn the basics of virtual machines, setting up of a VMware® ESXi environment and finally configure a complete redundant 800xA system with virtual server nodes.

https://new.abb.com/docs/librariesprovider104/ct-sweden/e111.pdf?sfvrsn=a93f3a16_2

Template for training course

E143

Course title and course number

E143 – Expert Workshop - System 800xA
Troubleshooting Core System

5 days Workshop

Date, location and cost

Week 19 Monday May 8th – Friday 12th

Location: Västerås, Sweden

Language: English

Price: 34 000 SEK

This course can be held on request In
Västerås. Available both in English and
Swedish.

Short introduction of the course

The goal is to learn in depth
troubleshooting methods and tools for the
System 800xA core system. After this
workshop the students are prepared to
provide superior service for 800xA
systems.

https://library.e.abb.com/public/dee97999b8c03e21c1257a250019355c/3BDS011567-143_I_en_800xA_Expert_Workshop_E143_-_Troubleshooting_800xA_Core_System.pdf

Template for training course

T315C

Course title and course number

T315C - System 800xA with AC 800M Engineering, Part 1 – Control Builder

Classroom training 4 days

Date, location and cost

Week 21 Tuesday May 23rd – Friday 26th

Language: English

Price: 29 480 SEK

This course can be held on request in Västerås, at your location or remote as a company course. Available both in English and Swedish.

Short introduction of the course

The goal of this course is to learn the engineering of a complete control project. This through build and manage a complete control project, with focus on configure the controller and IO. Part 1 of 2.

Note that this course is split in two parts and the follow-up course is T315H for the Human System Interface (HSI) configuration.

https://new.abb.com/docs/librariesprovider104/ct-dokument-se/t315c-01-course-description---revi_sede7127eec1f463c09537ff0000433538.pdf?sfvrsn=f4854416_2

Template for training course

SE116

Course title and course number

SE116 - System 800xA with AC 800M
Introduction

Classroom training 3 days

Date, location and cost

Week 21 Tuesday May 23rd – Thursday 25th

Location: Västerås, Sweden

Language: Swedish

Price: 22 110 SEK

This course can be held on request In Västerås, at your location or remote as a company course. Available both in English and Swedish.

Short introduction of the course

Basic system overview, provides an insight into configuring system 800xA.

[se116-01-kursbeskrivning---
revc1973f26eec1f463c09537ff0000433538.
pdf \(abb.com\)](#)

Template for training course

T315H

Course title and course number

T315H - System 800xA with AC 800M Engineering, Part 2 – Human System Interface

Classroom training 4 days

Date, location and cost

Week 22 Tuesday May 30th – Friday June 2nd

Location: Västerås, Sweden

Language: Swedish

Price: 29 480 SEK

This course can be held on request in Västerås, at your location or remote as a company course. Available both in English and Swedish.

Short introduction of the course

The goal of this course is to learn the engineering of a complete control project. Through build and manage a complete control project, with focus on Human Machine Interface (HMI). Part 2 of 2.

Note that this course is split in two parts and the pre-course is T315F or T315C for the controller configuration.

[t315h-01-course-description---revh_se.pdf \(abb.com\)](#)

Template for training course

A331

Course title and course number

A331 - Advant Controller 400 with MasterPiece 200 Configuration and Operation

Classroom training 4 days

Date, location and cost

Week 22 Tuesday September 13th – Friday 16th

Location: Västerås, Sweden

Language: English

Price: 34 000 Sek

This course can be held on request In Västerås. Available both in English and Swedish.

Short introduction of the course

Learn to operate and configure the Advant Controller 400 or MasterPiece 200. Create and maintain applications using AMPL (Advant Master Programming Language)

https://new.abb.com/docs/librariesprovider104/ct-dokument-se/a331-rev3.pdf?sfvrsn=82c76b16_2



June

Template for training course

T315C

Course title and course number

T315C - System 800xA with AC 800M Engineering, Part 1 – Control Builder

Classroom training 4 days

Date, location and cost

Week 24 Tuesday June 13th – Friday 16th

Location: Västerås, Sweden

Language: Swedish

Price: 29 480 SEK

This course can be held on request In Västerås, at your location or remote as a company course. Available both in English and Swedish.

Short introduction of the course

The goal of this course is to learn the engineering of a complete control project. This through build and manage a complete control project, with focus on configure the controller and IO. Part 1 of 2.

Note that this course is split in two parts and the follow-up course is T315H for the Human System Interface (HSI) configuration.

https://new.abb.com/docs/librariesprovider104/ct-dokument-se/t315c-01-course-description---revi_sede7127eec1f463c09537ff0000433538.pdf?sfvrsn=f4854416_2

Template for training course

T320

Course title and course number

T320 - System 800xA for Advant Master, Configuration

4 days training

Date, location and cost

Week 24 Tuesday June 13th – Friday 16th

Location: Västerås, Sweden

Language: English

Price: 34 000 SEK

This course can be held on request In Västerås. Available both in English and Swedish.

Short introduction of the course

The goal of this course is to learn the installation, configuration and maintenance of the Extended Automation System 800xA for Advant or Master Controllers.

https://library.e.abb.com/public/7c0a72b42f4741939d36f188d3112737/2PAA102419_E_en_System_800xA_course_T320_-_Advant_Master_Configuration.pdf

Template for training course

SE062

Course title and course number

SE062 - System 800xA with AC 800M,
Process Graphics with PG2 editor

2 days training

Date, location and cost

Week 25 Tuesday June 21st – Wednesday
22nd

Location: Västerås, Sweden

Language: Swedish

Price: 15 000 SEK

This course can be held on request In
Västerås, at your location or remote as a
company course. Available only in Swedish.

Short introduction of the course

The goal of the course is to learn how to use
graphics builder PG2 for creating graphic
process images and apply ergonomic
guidelines.

https://new.abb.com/docs/librariesprovider104/ct-dokument-se/se062-01-kursbeskrivning---revb1.pdf?sfvrsn=2df64316_2

July-August

No Scheduled courses during this time. But if you are interested in booking a course during this time, we can arrange on request courses. Do not hesitate to contact us and let us help you and your company to create the best learning opportunity.

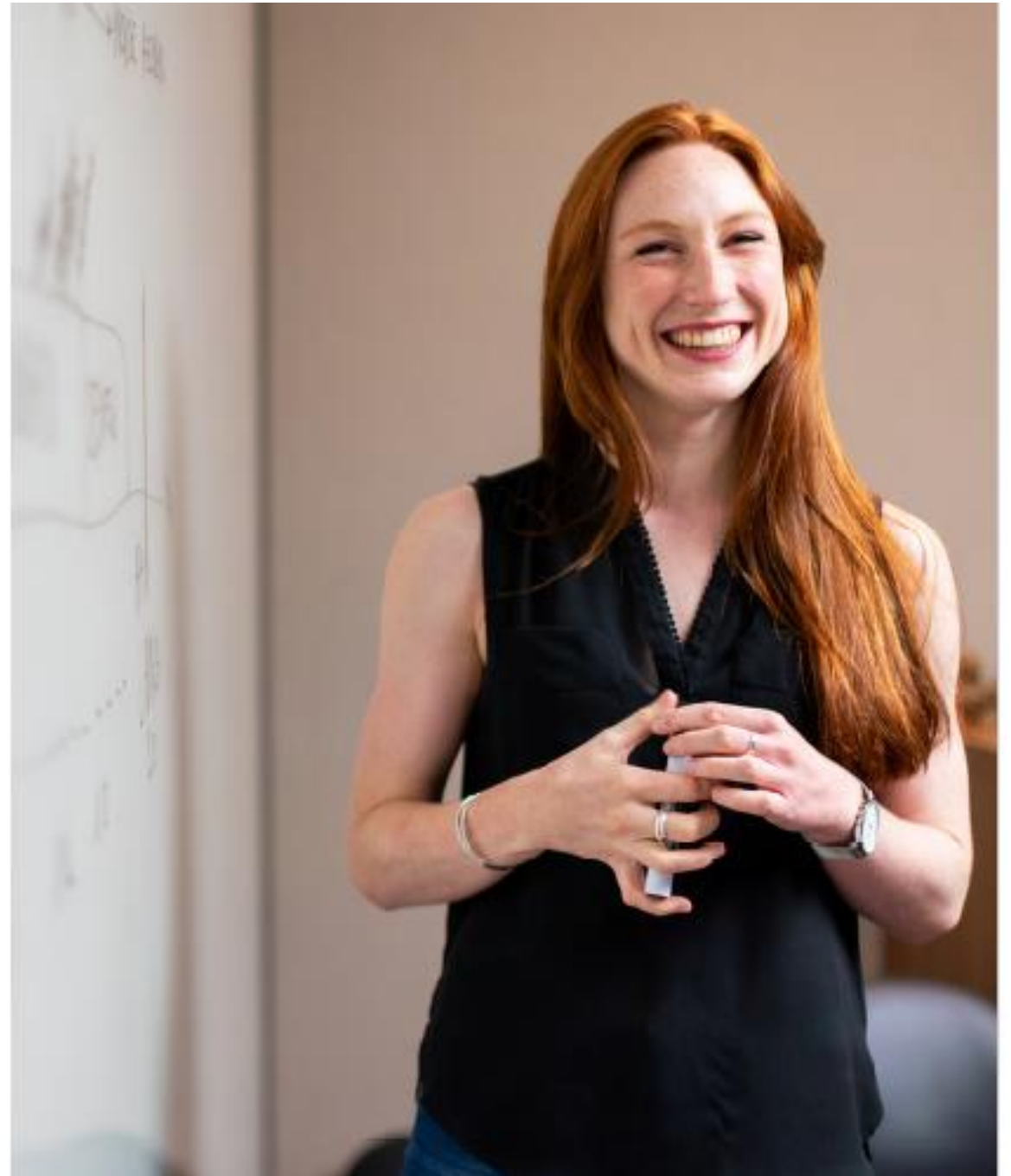


On-demand courses

On request courses

Virtual and face-to-face training courses that fit your schedule

Contact us at: se-abb-university-northerneurope@abb.com



On-demand courses

Course name	Duration	Course code	Price
Handling 800xA with 800M	1 day	T405	7 370 SEK
Maintenance and troubleshooting with Function Designer Engineering, with Diagrams	3 days	SE113	22 500 SEK
Configuring AC 800M with Compact Control Builder	2 days	SE123	15 000 SEK
Configuring Compact HMI 800	4 days	SE530	30 000 SEK
AC 800M with Select I/O	4 days	SE117	30 000 SEK
Configuration, Advant Controller 110	2 days	T338	17 000 SEK
Maintenance and troubleshooting , Advant Controller 400	4 days	A400	34 000 SEK
S+ Historian Virtual Workshop	4 days	T221	34 000 SEK
Performing System Health Check	3 days	SE901	24 600 SEK
Safety Instrumented Systems TÜV Functional Safety Engineer	5 days	E144	34 000 SEK
	4 days	T142	34 000 SEK

On-demand courses

Course name	Duration	Course code	Price
System 800xA with AC 800M Integration of IEC61850 Devices	5 days	T333	34 000 SEK
800xA Simulator – Maintenance Course	3 days	NO330	25 500 SEK
Power Management System 800xA with ABB PMS Lib Engineering, Operation, Solutions	5 days	NO380	34 000 SEK
NL331 PID-Controllers in AC800m	4 days	NL331	34 000 SEK
Engineering del 1 - Control Builder - ONLINE	4 days	T315C	27 280 SEK
Engineering del 2 - Human System Interface - ONLINE	4 days	T315H	27 280 SEK
System 800xA for Advant Master, Configuration	2 days	SE124	17 000 SEK
S+ Engineering for Harmony	5 days	S312	32 800 SEK
System 800xA for Harmony	5 days	T321	32 800 SEK



Customized courses

Customized Courses

Did not find the right dates and or do you lack some courses?

At ABB we are able to customize your training. Either we build on elements on existing courses or create workshops on special topics. Do not hesitate to contact us and let us help you and your company to create a tailored learning path.

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