

ABB University Switzerland

Learning Center Substation Automation and Protection and Communication Networks

Course Prices

The following price list is valid for standard courses that take place in the premises of the Training Centre responsible for the course.

The course fee includes e-documentation, lunches and coffee breaks.

On request, printed course documentation can be ordered against payment (CHF50 per course day)

Neither travel or living expenses nor health insurance are included.

The latest version of the course schedule can be found on Internet: www.abb.ch/abbuniversity

Cancellation conditions

Except where otherwise stated, no fee is to be paid if the cancellation is received 21 calendar days prior to the start of the course. Thereafter 50% of the course is fee charged. For cancellation received up to 7 calendar days before the start of the course the full fee becomes due.

Our price is calculated without taxes, VAT, withholding taxes, customs, fees and other duties. Shall any of those taxes apply, it shall be borne by the client.

Standard courses may be cancelled due to lack of participants. In such cases, you will be informed at least one month prior to the scheduled start of the course.

No.	Course title	Days	Date	Language	CHF/person
Power Systems					
Basic Courses					
CHS100	Power System Technology – Fundamentals	5	13.02. – 17.02.2017 21.08. – 25.08.2017	E E	4500
CHS060	Smart Grid the Power System of the Future – Fundamentals & Applications	4	02.05. – 05.05.2017 02.10. – 05.10.2017	E E	3600
CHS004	Principles, Disposition & Components of HV-Substations – Applications & System Solutions	5	27.03. – 31.03.2017 25.09. – 29.09.2017	E E	4500
CHS008	Planning & Realization of Electrical Traction Systems for Railways – Applications & System Solutions	3	30.05. – 01.06.2017 07.11. – 09.11.2017	E E	2850
CHS003	Power System Analysis – Fundamentals (incl. in CHP188)	3	on request	E E	2850
Substation Automation and Protection					
Basic Courses					
CHP107	IEC 61850 Substation Automation Systems – Fundamentals	5	06.03. – 10.03.2017 28.08. – 01.09.2017	E E	4500
CHP101	Digital Substation - Fundamentals & Applications	2	13.03. – 14.03.2017 03.07. – 04.07.2017 04.09. – 05.09.2017	E E E	1900
CHP108	Cyber Security for Power Utilities – Fundamentals	2	10.04. – 11.04.2017 26.06. – 27.06.2017 02.10. – 03.10.2017 04.12. – 05.12.2017	E E E E	1900
CHP184	System Architecture Design for Substation Automation with IEC 61850 – System Solutions	3	20.03. – 22.03.2017 11.09. – 13.09.2017	E E	2850
CHP142	Telecontrol Protocols for Power Utilities – Fundamentals	2	03.07. – 04.07.2017 30.10. – 31.10.2017	E E	1800
CHP102	Protection for Electrical Power Systems – Fundamentals	5	20.02. – 24.02.2017 04.09. – 08.09.2017	E E	4500
CHP102	Schutz in elektrischen Netzen - Grundlagen	5	03.04. – 07.04.2017	G	4500

No.	Course title	Days	Date	Language	CHF/person
CHP131	Protection in Power Plants – Applications	5	08.05. – 12.05.2017 11.09. – 15.09.2017	E E	4500
CHP132	Protection for Transmission Lines – Applications	5	27.02. – 03.03.2017 18.09. – 22.09.2017	E E	4500
CHP133	Protection for Busbars, Circuit Breakers and Power Transformers – Applications	5	13.03. – 17.03.2017 25.09. – 29.09.2017	E E	4500
CHP134	Protection for Distribution Networks and Industry – Fundamentals & Applications	5	20.03. - 24.03.2017 09.10. - 13.10.2017	E E	4500
CHP188	Advanced Protection for various Power Networks – System Solutions	8	19.06. - 28.06.2017 16.10. - 25.10.2017	E E	7600
 CHP143	IEC 61850 Standard for Utility Automation – Fundamentals (incl. in CHP107)	3	on request	E	2700
CHP135	Specification of Instrument Transformers for Protection – Applications (incl. in CHP188)	2	on request	E E	1900
CHP181	Advanced Protection in Transmission Networks – System Solutions (incl. in CHP188)	5	on request	E E	4750
CHP182	Advanced Protection in Industrial Networks – System Solutions (incl. in CHP188)	3	on request	E	2850

Substation Automation and Protection

Product Courses

CHP115	Relion® 670/650 series with PCM600 – Operation & Maintenance	3	20.03. - 22.03.2017 11.09. - 13.09.2017	E E	2850
CHP115	Relion® 670/650 Serie mit PCM600 - Betrieb & Unterhalt	3	12.06. - 14.06.2017	G	2850
CHP155	Relion® 670 series for Transmission Protection Solutions – Configuration	5	27.03. - 31.03.2017 02.10. - 06.10.2017	E E	4750
CHP156	Relion® 670/650 series for Generator Protection Solutions – Configuration	5	15.05. - 19.05.2017 18.09. - 22.09.2017	E E	4750
CHP156	Relion® 670/650 Serie Generatorschutzlösungen - Konfiguration	5	23.10. - 27.10.2017	G	4750
CHP041	Relion® 650 series for Transmission Protection Solutions – Configuration	4	10.07. - 13.07.2017 20.11. - 23.11.2017	E E	3800
CHP118	Relion® 615/620 series with PCM600 – Operation & Engineering	2	29.06. - 30.06.2017 26.10. - 27.10.2017	E E	1900
P263	Relion® 630 series – Operation	1	07.06.2017 15.11.2017	E E	950
P264	Relion® 630 series – Programming	2	08.06. - 09.06.2017 16.11. - 17.11.2017	E E	1900
CHP113	REB500/REB500sys Busbar and Station Protection System – Operation & Maintenance	3	24.04. - 26.04.2017 30.10. - 01.11.2017	E E	2850
CHP153	REB500/REB500sys for Busbar & Station Protection Solutions – Configuration	2	27.04. - 28.04.2017 02.11. - 03.11.2017	E E	1900
CHP190	PCM600/ITT600 for IEC 61850 Integration & Testing – System Integration	2	23.03. - 24.03.2017 14.09. - 15.09.2017	E E	1900
CHP191	IET600/ITT600 for IEC 61850 Integration & Testing – System Integration	5	10.07. - 14.07.2017 06.11. - 10.11.2017	E E	4750
CHP122	MicroSCADA Pro for Substation Automation – Operation	2	13.03. - 14.03.2017 04.09. - 05.09.2017	E E	1900
CHP126	Substation Automation System – Maintenance	3	15.03. - 17.03.2017 06.09. - 08.09.2017	E E	2850
CHP172	MicroSCADA Pro for Substation Automation Solutions – Configuration	4	23.03. - 28.03.2017 06.06. - 09.06.2017 14.09. - 19.09.2017 14.11. - 17.11.2017	E E E E	3800

No.	Course title	Days	Date	Language	CHF/person
CHP170	SDM600 System Data Management – Operation & Configuration	1	12.04.2017 28.06.2017 04.10.2017 06.12.2017	E E E E	950
CHP030	RTU560 Remote Terminal Unit Basic – Operation & Configuration	3	05.07. - 07.07.2017 01.11. - 03.11.2017	E E	2850
CHP175	RTU560 as IEC 61850 Gateway – Configuration	2	17.07. - 18.07.2017 13.11. - 14.11.2017	E E	1900
CHP194	IET600/ITT600 for SAS600 Maintenance – System Integration	8	29.03. - 07.04.2017 12.06. - 21.06.2017 20.09. - 29.09.2017 20.11. - 29.11.2017	E E E E	7600
 CHP195	IET600 for IEC 61850 Integration with MicroSCADA – System Integration	10	29.03. - 11.04.2017 12.06. - 23.06.2017 20.09. - 03.10.2017 20.11. - 01.12.2017	E E E E	9500
CHP114	REF542plus Feeder Protection & Control IED – Operation & Maintenance	2	on request	E	1900
CHP164	REF542plus for Control and Protection Solutions – Configuration	4	on request	E	3800
CHP151	REG216/316*4 for Generator Protection Solutions – Configuration	5	on request	E	4750
CHP171	PSM500 Power System Monitoring – Configuration	3	on request	E	2850
CHP031	RTU560 Remote Terminal Unit Advanced – Configuration	3	on request	E	2850
CHP032	RTU560 Remote Terminal Unit PLC Programming – Configuration	3	on request	E	2850
CHP192	ITT600 SAS Explorer for IEC61850 Systems – Operation & Maintenance	2	on request	E	1900

Communication Networks

Basic Courses

CHP511	Utility Communications – Fundamentals	3	16.08. - 18.08.2017	E	2650
 CHP516	Communication Solutions for Distribution Networks	3	16.08. - 18.08.2017	E	2650
CHP520	Utility SDH Networks – Fundamentals	2	16.02. - 17.02.2017	E	1750
CHP522	Ethernet Switching and TCP/IP – Introduction	2	02.03. - 03.03.2017 24.08. - 25.08.2017	E E	1750
CHP523	Wireless Communication – Introduction	2	on request	E	
CHP108	Cyber Security for Power Utilities – Fundamentals	2	10.04. – 11.04.2017 26.06. – 27.06.2017 02.10. – 03.10.2017 04.12. – 05.12.2017	E E E E	1900
CHP525	Utility MPLS-TP Networks – Fundamentals	2	23.02. - 24.02.2017 16.11. - 17.11.2017	E E	1750
CHP107	IEC 61850 Substation Automation Systems – Fundamentals	5	06.03. – 10.03.2017 28.08. – 01.09.2017	E E	4500
CHS060	Smart Grid the Power System of the Future – Fundamentals & Applications	4	02.05. – 05.05.2017 02.10. – 05.10.2017	E E	3600
CHS100	Power System Technology – Fundamentals	5	13.02. – 17.02.2017 21.08. – 25.08.2017	E E	4500

Communication Networks

Product courses

CHP552	FOX515H & Hs Multiservice Utility MUX	3	01.03. - 03.03.2017	E	2650
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No.	Course title	Days	Date	Language	CHF/person
CHP553	FOX505 Access MUX	4	21.08. - 24.08.2017	E	3300
CHP554	FOXView Enterprise Network Management System	1	03.03.2017 25.08.2017	E E	900
CHP555	FOX605 – A Secure MPLS enabled Utility MUX	4	27.02. - 02.03.2017 21.08. - 24.08.2017	E	3300
CHP556	FOX660 Multiservice Utility MUX for TDM Transport	3	15.02. - 17.02.2017 16.08. - 18.08.2017	E E	2650
CHP557	FOX660 Multiservice Utility MUX for Packet Switch Transport	3	13.03. - 15.03.2017 13.09. - 15.09.2017	E E	2650
CHP571	FOX660 Multiservice Utility MUX for Optical Transport	3	on request	E	
CHP558	AFS600 Switch Family	3	06.03. - 08.03.2017 28.09. - 30.09.2017	E E	2650
CHP559	AFR Router	3	on request	E	
CHP560	AFF Firewall	2	09.03. - 10.03.2017 31.08. - 01.09.2017	E E	1750
CHP561	AFSView Network Management System	1	on request	E	
CHP568	ETL600 R3 Universal Digital PLC Equipment	5	on request	E	
CHP569	ETL600 R4 for Experienced ETL600 R3 Users	2	on request	E	
CHP570	ETL600 R4 Universal Digital PLC Equipment	5	13.02. - 17.02.2017 08.05. - 12.05.2017 14.08. - 18.08.2017 13.11. - 17.11.2017	E E E E	4000
CHP570	ETL600 R4 Universal Digital PLC Equipment	5	25.09. - 29.09.2017	F	4000
CHP574	NSD570 Teleprotection Equipment	2.5	27.02. - 01.03.2017 26.06. - 28.06.2017 13.11. - 15.11.2017	E E E	2500
CHP574	NSD570 Teleprotection Equipment	2.5	11.09. - 13.09.2017	F	2500
CHP575	NSD570 IEC61850 GOOSE Interface	1	02.03.2017 29.06.2017 16.11.2017	E E E	900
CHP582	Tropos Wireless Mesh Networks	3	13.03. - 15.03.2017 04.09. - 06.09.2017	E E	2650
CHP586	iS3000 SIP@NET Telephone System	5	08.05. - 12.05.2017 20.11. - 24.11.2017	E E	4000
CHP587	iS3000 SIP@NET Trunk Routing and Advanced Features	5	15.05. - 19.05.2017	E	4000
CHP588	SV9500 Appliance Server Telephone System	5	30.10. - 03.11.2017	E	4000
CHP589	SV9500 Standard Server Telephone System	5	11.12. - 15.12.2017	E	4000
CHP590	SV9100 Telephone System	4	02.05. - 05.02.2017 13.11. - 16.11.2017	E E	3300
CHP591	FOXOLM Overlay Management System	2	02.10. - 03.10.2017	E	1750
CHP592	FOX515 Access/Transport MUX	5	13.02. - 17.02.2017 21.08. - 25.08.2017	E	4000
CHP593	FOXMAN-UN Network Management System - Basic Features	3	27.02. - 01.03.2017 15.05. - 17.05.2017 25.09. - 27.09.2017 13.11. - 15.11.2017	E E E E	2750
CHP594	FOXMAN-UN Network Management System - Advanced Features	2	02.03. - 03.03.2017 18.05. - 19.05.2017 28.09. - 29.09.2017 16.11. - 17.11.2017	E E E E	1750

No.	Course title	Days	Date	Language	CHF/person
CHP595	FOX615 as TDM Utility Grade Access/Transport MUX	5	20.02. - 24.02.2017 03.04. - 07.04.2017 15.05. - 19.05.2017 19.06. - 23.06.2017 21.08. - 25.08.2017 06.11. - 10.11.2017 04.12. - 08.12.2017	E E E E E E E	4000
CHP595	FOX615 Utility Grade Universal Access/Transport Multiplexer	5	18.09. - 22.09.2017	F	4000
CHP596	FOX615 as TDM Access/Transport MUX for FOX515 Experienced Users	5	29.05. - 02.06.2017 28.08. - 01.09.2017	E E	4000
CHP597	FOX615 Advanced Packet Switch Features for Expert Users	5	26.06. - 30.06.2017 11.12. - 15.12.2017	E E	4000
CHP598	FOX615 as MPLS-TP Utility Grade Access/Transport MUX - Basic Features	5	06.03. - 10.03.2017 08.05. - 12.05.2017 18.09. - 22.09.2017 20.11. - 24.11.2017	E E E E	4000
 CHP599	FOX615 as MPLS-TP Utility Grade Access/Transport MUX - Advanced Features	3	13.03. - 15.03.2017 15.05. - 17.05.2017 25.09. - 27.09.2017 27.11. - 29.11.2017	E E E E	2650

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