

ABB UNIVERSITY SWITZERLAND

# COURSE PORTFOLIO 2018

## Learning Center Mining, Aluminium and Cement

### Course registration

The online registration can be done via <https://mylearning.abb.com>. Go to the catalog and enter the course number in the Search field. Any scheduled classes of that course will be listed. Please note, to be able to register to any of these classes you need to be logged in.

In this e-brochure, the online registration can also be accessed by clicking on the respective course date.

There is also the option to ask for our enrollment form by sending your request to [minerals.training@ch.abb.com](mailto:minerals.training@ch.abb.com).

### Course descriptions

A description of each course can be found on our [Web page](#).

If you follow the online registration process described above, you will also find a link to the course description in the class details.

In this e-brochure, the course description can also be accessed by clicking on the course names listed below.

### Course prices

Please, contact our learning center to find out about the course prices.

### 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 fee is charged. For cancellation received up to 7 calendar days before the start of the course the full fee becomes due.

Please note, standard courses may be cancelled due to lack of participants. In this case you will be informed in time.

### Course delivery

We offer

1. Classroom training in our learning center in Baden-Daettwil, Switzerland
2. Classroom training on-site at your plant or any other appropriate location near you
3. Web-based training (virtual classroom training) using a remote learning platform

Note, all the scheduled training courses mentioned below take place in our learning center in Switzerland.

### Terms and conditions

We refer to our [terms and conditions](#) which can also be downloaded from our [Web page](#) or which might have been sent to you with this course portfolio.

### Address of our learning center

ABB Switzerland Ltd  
LC Mining, Aluminium and Cement  
Segelhofstrasse 9K  
CH-5405 Baden-Daettwil  
Phone +41 58 586 75 26  
E-Mail [minerals.training@ch.abb.com](mailto:minerals.training@ch.abb.com)  
Web <http://new.abb.com/service/abb-university/ch/lc-cmm>

## Editorial



### Vision

ABB University enhances the productivity of businesses and individuals for its customers and employees by making learning a valuable experience.



### Training conditions

For our training conditions please refer to our ABB University Switzerland – General Information brochure 2018.



### Scheduled classes

In our scheduled standard courses the trainees will gain practical experience using available tools and techniques by doing practical exercises.

All of our standard courses are conducted in our future proof learning center in Baden, Switzerland.



### Tailored classes (on request)

The training can be held in our learning center in Switzerland or on-site at customer's facilities. The program and content can be adapted according to your needs and requirements. All information related to your project will be used to run a custom-tailored training.



### Instructors

All our instructors are product or system experts and very experienced in their field of work. In addition to their engineering knowledge they are capable of didactics and training methodology.



### Travel information

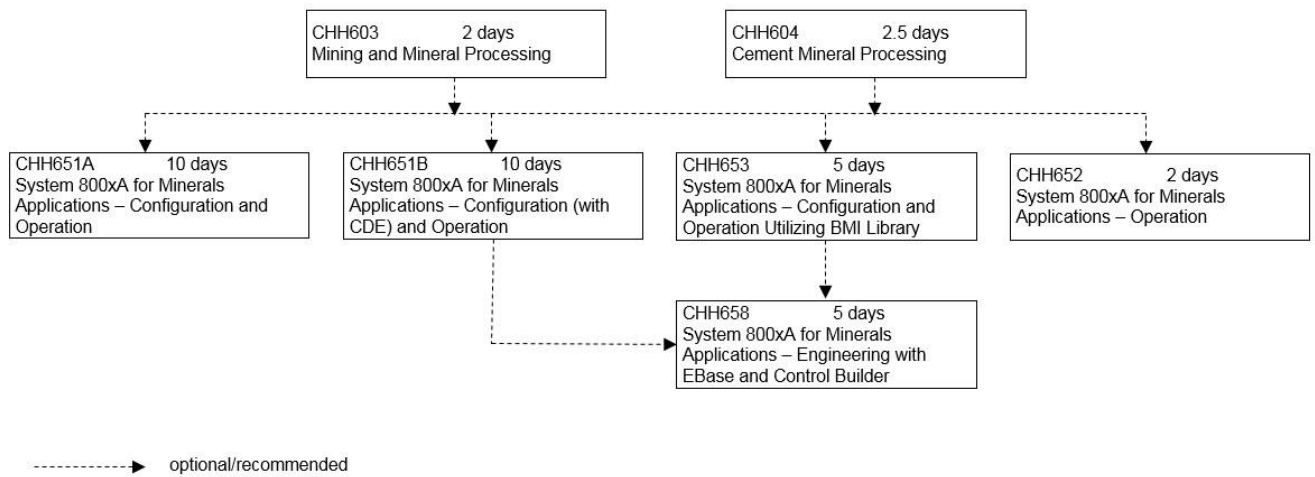
Some helpful travel information can be found on our webpage or in our ABB University Switzerland General Information brochure 2018.

## Course portfolio

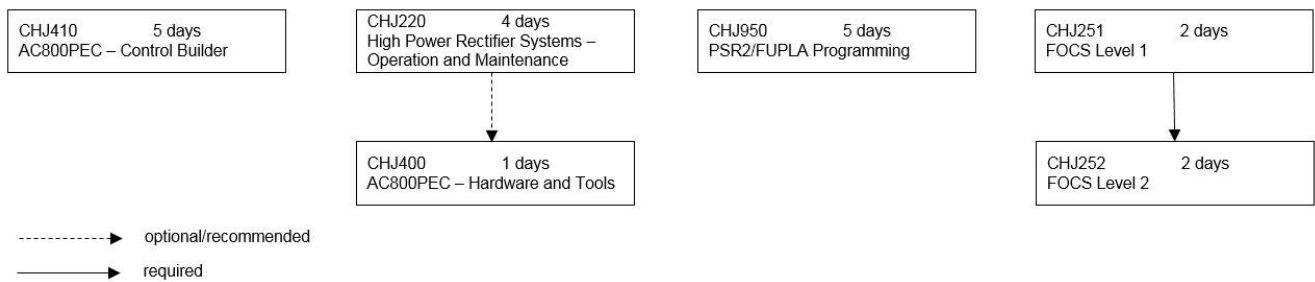
No.	Course title	Duration	Date
<b>Process courses</b>			
CHH603	<u>Mining and Mineral Processing</u>	2 days	<u>01.03. – 02.03.2018</u> <u>27.09. – 28.09.2018</u>
CHH604	<u>Cement Mineral Processing</u>	2.5 days	<u>26.02. – 28.02.2018</u> <u>24.09. – 26.09.2018</u>
<b>Collaborative Production Management (CPM) Courses</b>			
CHH610	<u>Expert Optimizer – Fundamentals and Control Strategies</u>	5 days	<u>05.02. – 09.02.2018</u> <u>27.08. – 31.08.2018</u> <u>08.10. – 12.10.2018</u>
CHH611	<u>Expert Optimizer – Advanced Toolkit Engineering</u>	3 days	<u>12.02. – 14.02.2018</u> <u>03.09. – 05.09.2018</u> <u>15.10. – 17.10.2018</u>
CHH616	<u>Knowledge Manager – Application Engineering</u>	5 days	on request
CHH619	<u>Knowledge Manager and LIMS – Application Engineering</u>	5 days	<u>19.02. – 23.02.2018</u> <u>11.06. – 15.06.2018</u> <u>22.10. – 26.10.2018</u>
<b>Gearless Mill Drive (GMD) Courses</b>			
CHH621	<u>Gearless Mill Drive – Theoretical System Overview</u>	1 day	on request
CHH622	<u>Gearless Mill Drive – Ring Motor Maintenance</u>	2 days	on request
CHH624	<u>Gearless Mill Drive – Operation and Maintenance</u>	5 days	on request
CHH625	<u>Gearless Mill Drive – Ring Motor Knowledge</u>	5 days	on request
CHH627	<u>Gearless Mill Drive – PSR2 Controller</u>	3 days	on request
CHH629	<u>System 800xA – Gearless Mill Drive Applications</u>	5 days	on request

No.	Course title	Duration	Date
<b>Low Voltage Drive Courses</b>			
CHH641	<u>ACS800 Operation and Maintenance</u>	3 days	on request
<b>Ring-Geared Mill Drive (RMD) Courses</b>			
CHH647	<u>Ring-Geared Mill Drive System – Operation and Maintenance</u>	3 days	on request
CHH648	<u>Ring-Geared Mill Drive System with E-house – Operation and Maintenance</u>	4 days	on request
<b>System 800xA Courses</b>			
CHH651A	<u>System 800xA Applications for Minerals – Configuration and Operation</u>	10 days	on request
CHH651B	<u>System 800xA Applications for Minerals – Configuration (with CDE) and Operation</u>	10 days	05.02. – 16.02.2018 04.06. – 15.06.2018 08.10. – 19.10.2018
CHH652	<u>System 800xA Applications for Minerals – Operation</u>	2 days	on request
CHH653	<u>System 800xA Applications for Minerals – Configuration and Operation Utilizing BMI Library</u>	5 days	16.04. – 20.04.2018 20.08. – 24.08.2018
CHH658	<u>System 800xA Applications for Minerals – Engineering with EBase and Control Builder</u>	5 days	23.04. – 27.04.2018 27.08. – 31.08.2018
<b>Low Voltage Distribution Courses</b>			
CHH680	<u>MCC MNS 3.0</u>	2 hours	on request
CHH681	<u>ABB Wiring Diagrams</u>	1 hour	on request
CHH682	<u>Sace Breaker Emax</u>	1 hour	on request
CHH683	<u>Sace Breaker Emax2</u>	1 hour	on request
CHH684	<u>MNSiS I Standard</u>	2 days	on request
CHH685	<u>MNSiS II Standard and MNavigate Plus</u>	3 days	on request
CHH686	<u>UMC100 I Standard</u>	2 days	on request
CHH687	<u>UMC100 II Standard and PBDTM</u>	1.5 days	on request
<b>High Power Rectifier (HPR) Courses</b>			
CHJ210	<u>High Power Rectifier Systems – Service and Commissioning (for ABB employees only)</u>	5 days	11.06. – 15.06.2018
CHJ220	<u>High Power Rectifier Systems – Operation and Maintenance</u>	4 days	16.04. – 19.04.2018 13.08. – 16.08.2018
CHJ251	<u>FOCS Level 1</u>	2 days	12.03. – 13.03.2018 08.10. – 09.10.2018
CHJ252	<u>FOCS Level 2</u>	2 days	14.03. – 15.03.2018 10.10. – 11.10.2018
CHJ400	<u>AC800PEC Hardware and Tools</u>	1 day	on request
CHJ410	<u>AC800PEC Control Builder</u>	5 days	on request
CHJ950	<u>PSR2/FUPLA2 Programming</u>	5 days	19.03. – 23.03.2018

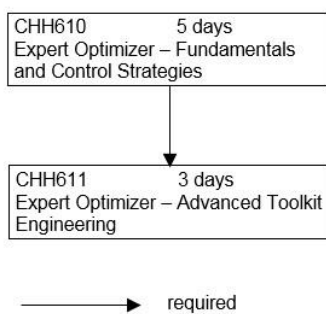
## Learning path for System 800xA



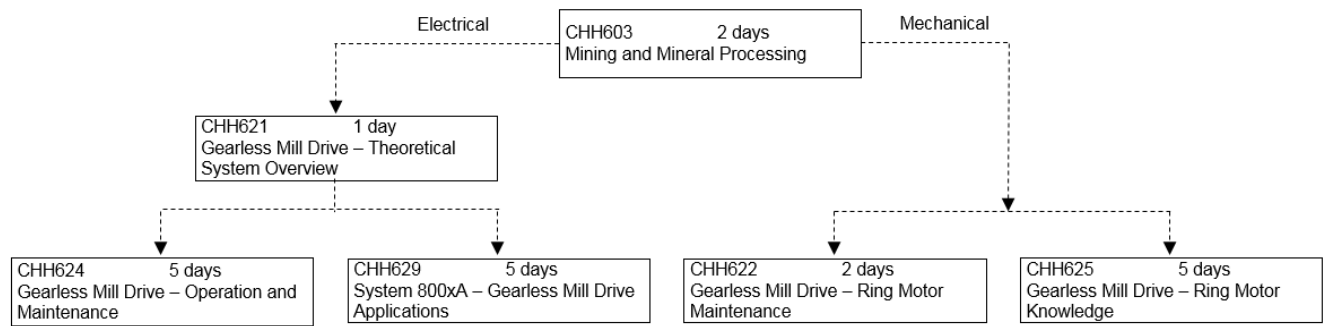
## Learning path for High Power Rectifier (HPR)



## Learning path for Expert Optimizer



## Learning path for Gearless Mill Drive (GMD)



-----> optional/recommended