ABB's has made a concise and informative FT-IR/FT-NIR calibration course to help you streamlining and optimizing your process. Our experienced chemometrics team offers comprehensive training for scientists, engineers and advanced operators/laboratory technicians, up-to-date technical expertise for products, processes and technology advances.

This course is recommended to give you the background needed to understand the technology as it relates to your company. ABB's training can be custom-tailored to specific processes and workflow and still provide the student with a solid foundation in FT-IR/FT-NIR theory utilizing the PLS industry standard calibration techniques. By concentrating on your specific application, you will receive training that can be used instantly upon completion of the course with the skill and confidence needed to develop robust PLS models using our own "real-world" data sets.

Training Objectives:
- Understand the basics of FT-IR/FT-NIR spectroscopy.
- Develop and update chemometric models (with student’s plant specific or typical industry related data) using Partial Least Squares (PLS) and classical quantitative tools within Horizon MB FTIR™.
- Implement or customize FTSW100™.
- Develop discrimination models to automatically determine material identification/confirmation.
- Develop/validate quantitative models with appropriate IR/NIR spectra using primary reference data.
- Develop and implement statistical discrimination criteria customized for your specific quality control requirements.
- For special projects or specific needs, ABB’s chemometricians can also supply calibration services.

Who should attend:
- Scientists, engineers and advanced operators/laboratory technicians.
- Current and future users of ABB FT-IR products.
- Process systems end-users.
- New employee

Duration: 3 days
Number of participants: Minimum 6. Maximum 8
Location: ABB facilities in Quebec, additional location available, consult the schedule for details.
Training can also be offered at customer location on request
Language: English
Excluding: Travel & Living expenses
Disclaimer:
- ABB will not refund the payment if the person does not attend the training. In the case where the minimum required people is not met, ABB will advise the registered attendees 3 weeks in advance if the training will be held or cancelled.
- It is strongly recommended not to reserve your hotel rooms nor buy your airplane tickets before ABB’s confirmation.
- To reserve your seat, ABB must receive the purchase order 6 weeks prior to the scheduled date.
- The on-site training requires a minimum of 6 trainees plus travel cost for the trainer and material. For on-site training, please contact ABB Analytical Measurements for more information at ftirsupport@ca.abb.com.