



Revised: 09 July 2026

Virtual Classroom Catalog: gPROMS Platform

Please find the current gPROMS platform virtual classroom schedule, along with descriptions of the available virtual classroom training offerings. These offerings are appropriate for both gPROMS Process and gPROMS FormulatedProducts customers.

SIEMENS

Contents

Training dates	3
Training descriptions	4
gPROMS®: Developing custom unit operation models (2-day) [Available in English]	4
Custom modelling (1-day) [Available in Japanese]	5

Training dates

Dates	Training	Language	Time zone
There are no more virtual classroom training events scheduled in 2026 for this product. Please keep an eye out for an updated timetable for 2027 and marketing communications regarding campaign specific training events. If you'd like to request a virtual classroom training, please send an email to gproms.training.digital@siemens.com with the training you require, preferred dates, and the number of participants.			

Training descriptions

gPROMS[®]: Developing custom unit operation models (2-day) [Available in English]

Developing custom unit operation models is essential in applications where off-the-shelf models do not address requirements, or when more flexibility is needed than off-the shelf packages can offer. The gPROMS language provides a convenient way to implement process models of arbitrary complexity. This includes lumped and spatially distributed models, steady state and dynamic process behavior, process discontinuities, etc. Powerful solvers allow model developers to focus on describing the relevant phenomena, without worrying too much about the solution process. Using real-world data to validate the model is an inherent part of the model development process. So as not to "re-invent the wheel", the model should be combined with standard off-the-shelf models such as those in the gPROMS Process libraries.

Audience: This course is aimed at chemical and process engineers who wish to develop their own unit operation models in gPROMS and use these to address design and operational problems of batch and continuous processes.

Content: This two-day course helps attendees to effectively apply advanced process modelling to real problems relating to process design and process operation. It combines tutorials and hands-on problem-solving sessions. By the end of the course, you will know how to:

- Develop your own lumped model
- Develop your own distributed model
- Combine models in a hierarchy
- Make models robust
- Validate your models
- Quantify the effect of uncertainty in model parameters on key performance indicators using Global System Analysis

Custom modelling (1-day) [Available in Japanese]

Developing custom unit operation models is essential in applications where off-the-shelf models do not address requirements, or when more flexibility is needed than off-the shelf packages can offer. The gPROMS language provides a convenient way to implement process models of arbitrary complexity. This includes lumped and spatially distributed models, steady state and dynamic process behavior, process discontinuities, etc. Powerful solvers allow model developers to focus on describing the relevant phenomena, without worrying too much about the solution process. Using real-world data to validate the model is an inherent part of the model development process. So as not to "re-invent the wheel", the model should be combined with standard off-the-shelf models such as those in the gPROMS Process libraries.

Audience: This course is aimed at chemical and process engineers who wish to develop their own unit operation models in gPROMS and use these to address design and operational problems of batch and continuous processes.

Content: This one-day course helps attendees to effectively apply advanced process modelling to real problems relating to process design and process operation. It combines tutorials and hands-on problem-solving sessions. By the end of the course, you will know how to:

- Develop your own lumped model
- Develop your own distributed model
- Combine models in a hierarchy
- Make models robust
- Validate your models
- Quantify the effect of uncertainty in model parameters on key performance indicators using Global System Analysis