Process Simulator Advanced Course Syllabus

Process Simulator Advanced Training is a nine-module course based on the same exercises and instructions as our live instructor-led training class. This course assumes the student has attended Process Simulator Basics training (a prerequisite).

Module 1: Resource Groups, Macros, Local Variables and Subroutines.

Module 2: Elements for model pull systems and Kanbans, such as Send Routes, Buffers, Storages, and Ordered Arrivals.

Module 3: More advanced techniques such as Wait Until, Condition Dependent Batching, Time Dependent Batching, Storage Racks, and building a Supermarket Pull System.

Module 4: Logic and Loops. Order statement, While Do Loops, and additional statements.

Module 5: Math and System Functions. Includes DownQty, GroupQty, ResourceQty, FreeCap and OwnedResource.

Module 6: Connecting to Microsoft Excel Files. Includes External Arrival Files, Data Export and Import.

Module 7: Data Graphics. Using Data Graphics to display results directly on the Visio layout.

Module 8: Six Sigma Analysis. Connecting your output results directly to Minitab for Six Sigma Analysis.

Module 9: Model Building Strategies. Includes model start-up options, variations on using activity capacities and buffers, using resource constraints, and tips for using hierarchical models.