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.