

# ESSENTIAL TRAINING FOR EXTENDSIM



## + MODELING TECHNIQUES

### LEARN HOW TO...

- Build and run ExtendSim simulation models
- Simulate processing, batching/unbatching, and routing
- Create and use item properties
- Manage model data
- Use animation effectively
- Model and schedule resources
- Create user interfaces
- Improve the readability and usability of models
- Interpret model results
- Debug effectively

### PUBLIC TRAINING

In 2012, Essential Training + Modeling Techniques classes will be held:

March 12 -16	Washington, DC
May 7 - 11	Las Vegas, NV
August 13 - 17	Washington, DC
November 5 - 9	Phoenix, AZ

Cost: \$2500 per student

Register at [www.ExtendSimTraining.com](http://www.ExtendSimTraining.com)

### ON-SITE TRAINING

Privately held on-site classes can be scheduled in your facility and at your convenience.

For a class of up to 5 students, the cost is \$7500 plus instructor travel expenses (quoted on a Not To Exceed basis). Additional students are \$700 each, up to a maximum of 10 students.

For classes over 10 students, a second instructor is required. The cost is \$15,000 for the first 11 students; additional students are \$700 each (maximum 20 students). Travel expenses for both instructors will be quoted on a Not To Exceed basis.

Contact Imagine That Inc for quote and availability.

**Imagine That Inc.**  
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This 5 day hands-on workshop covers the basics of discrete event simulation modeling using ExtendSim while applying it to a class project. The workshop is divided into two modules - 3 days for Essential Training and 2 days for Modeling Techniques.

### ESSENTIAL TRAINING FOR EXTENDSIM

(3 days)

Students will build, run, and analyze a model on Day 1. On subsequent days, they will explore additional ExtendSim modeling components and features. Topics include:

- Understanding fundamental simulation concepts
- The basic item handling blocks
- Using key value handling blocks
- Working with item properties, such as attributes and priorities
- Routing items
- Batching & unbatching items
- Presentation features including hierarchy, cloning, and 2D animation
- Resource Management using the Resource Pool and Resource Item methods
- Working with Equation blocks
- Creating, editing, and accessing an ExtendSim database

### MODELING TECHNIQUES FOR EXTENDSIM

(2 days)

This module takes the concepts learned in the Essential Training module and applies them to a class project. This gives the students time to reflect upon and apply the concepts they have just learned while being coached by the instructor. The students then learn and apply more advanced concepts to the model to understand appropriate analysis techniques. In addition to what is taught in the Essential Training module, Modeling Techniques topics include:

- Expanded work on building models
- Understanding basic simulation statistics
- Learning validation and verification techniques
- Scenario Manager
- Data management and exchange with an ExtendSim database
- Debugging and troubleshooting

### WHO SHOULD ATTEND

This course is designed for Engineers, Managers, System Analysts, and anyone else who wants to learn simulation modeling and/or get up to speed quickly with ExtendSim. It is appropriate both for those who are new to ExtendSim 8 and for beginning/intermediate simulation modelers.

### PREREQUISITES

Basic computer skills. Knowledge of basic statistics (random distributions and confidence intervals) recommended.

### MATERIALS PROVIDED

- Laptop computer for each student's use
- Course manual with case studies
- ExtendSim User Guide & Addendum
- Solution files for all exercises

*Imagine That!*