



Educational Institute for Equipment and Process Design

Aspen Hysys Course
For Starters to reach Intermediate Level



Parts and Sessions	Subject	Duration
Part 1	Introduction	93 minutes
Session 1	Introduction to Aspen Hysys	47 minutes
Session 2	Fluid Package Selection	17 minutes
Session 3	Separators	29 minutes
Part 2	Pressure Change Equipment	106 minutes
Session 1	Pump Simulation	28 minutes
Session 2	Compressor Simulation	22 minutes
Session 3	Turbine Simulation	22 minutes
Session 4	Control Valve Simulation	21 minutes
Session 5	Line Simulation	13 minutes
Part 3	Heat Exchangers	57 minutes
Session 1	Simple Heater Simulation	15 minutes
Session 2	Shell and Tube Heat Exchanger	28 minutes
Session 3	Air Cooler Simulation	14 minutes



Part 4	Reaction and Reactors	100 minutes
Session 1	Conversion Reactor Simulation	28 minutes
Session 2	Equilibrium Reactor Simulation	38 minutes
Session 3	Gibbs Reactor Simulation	9 minutes
Session 4	Plug Flow Reactor Simulation	25 minutes
Part 5	Distillation Column	
Session 1	Short-Cut Column	18 minutes
Session 2	Rigorous Model	15 minutes
Session 3	Absorber	13 minutes