

# Refining, Oil, and Gas Industry Course Curriculum Map

			Process / Research Engineer	Facilities Engineer	Ops Mgr / Ops Engr / Ops Supt	Project Engr / Cost Estimator	Process Controls Engineer	Process Safety Engineer	Pipeline Engineer
Process Modeling	EHY101 3 Days	Aspen HYSYS: Process Modeling	●	●	●	●	●	●	●
	EHY121 1 Day	Building MS Excel User Interfaces for HYSYS Simulations Using Aspen Simulation Workbook	●	●	●	●	●	●	●
	EHY202 2 Days	Aspen HYSYS: Advanced Process Modeling Topics	●	●	●		●	●	●
	EHY223 3 Days	Aspen HYSYS Dynamics: Introduction to Dynamic Modeling	●	●	●		●	●	●
	EHY252 1 Day	Pressure Relief Analysis Using Aspen HYSYS	●	●	●			●	●
	EHY2511 2 Days	Flare Network Design and Rating	●	●	●			●	●
	EHY2611 1 Day	Heat Transfer Modeling Using Aspen HYSYS	●	●	●	●	●	●	●
Heat Transfer	EHX101 2 Days	Design and Rate Shell and Tube Heat Exchangers	●	●	●	●		●	
	EHX1100 3 Days	Modeling Heat Exchangers Using the Exchanger Design and Rating Suite	●	●					
	EHX2911 3 Days	Improved Energy Efficiency through Heat Integration	●	●					
Cost, Econ, And Utilities	EEE101 4 Days	Introduction to Aspen Capital Cost Estimator	●			●			
	EEE102 3 Days	Introduction to Aspen Process Economic Analyzer	●		●	●			
	EAU2831 2 Days	Introduction to Energy Optimization Using Aspen Utilities Planner	●	●					