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Courses Offered

- Pump Principles I
- Mechanical Seal Principles I
- Gasket Principles I
- Mechanical Packing Principles I
- Hydraulic/Pneumatic Principles I
- Live Loading Principles I



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Fluid Sealing Courses

Pump Principles I

Provides appropriate knowledge of pumping principles to effectively carry out day-to-day business routines. Subjects covered: Pumps-General Information; Parts; Terms; Operation; Curves; A Simple Pumping System; Typical Pump Failures. Estimated completion time: 40 hrs. **Price: \$400 US**

Mechanical Seal Principles I

Provides a thorough comprehension of the underlying principles of Chesterton Mechanical Seals to effectively carry out day-to-day business routines. Subjects covered: Purpose and Parts; Classifications; Materials; Operation; Environmental Controls; Generation Design; Troubleshooting. Estimated completion time: 40 hrs. **Price: \$400 US**

Gasket Principles I

Takes you through a thorough discussion of the gasket and all of the variables that surround its reliability. Subjects covered: Introduction to Pipes and Flanges; Gasketing; Bolted Flange Joints; Heat Exchangers; The Whole Joint-Flange, Gasket and Bolts. Estimated completion time: 40 hrs. **Price: \$400 US**



Mechanical Packing Principles I

Mechanical packing has been utilized in pump, valve, and similar equipment operations in one form or another since the beginning of the mechanical era. This course is designed to provide you with an in-depth look at mechanical packing and how it can be used to increase system reliability. Subjects covered: Fundamentals; Equipment in Which Packing Is Used; Compression Packing Material Composition; Methods of Construction; Manufacturing; Installation and Troubleshooting. Estimated completion time: 40 hrs. **Price: \$400 US**

Hydraulic/Pneumatic Principles I

Provides a solid understanding of the general concepts associated with hydraulic and pneumatic equipment as found in industry today, including a general understanding of the basic physics involved. Subjects covered: Fundamentals; Equipment; Seals; Seal Materials; Types of Industries; Troubleshooting Equipment and Seals. Estimated completion time: 40 hrs. **Price: \$400 US**

Live Loading Principles I

Live loading is a process that is in use in many industrial applications today. Vibration, thermal cycling and environmental concerns have led to finding a technology that will maintain a load as well as compensate for travel. This course examines how live loading works, all the variables that affect live loading, and how it can be utilized to increase process system reliability. Subjects covered: Fundamentals; Live Loaded Equipment; Bolted Flange Joints. Estimated completion time: 40 hrs. **Price: \$400 US**

Who Should Attend

Plant personnel directly involved with rotating equipment selection, design, operation and maintenance such as **reliability or maintenance engineers, maintenance managers and supervisors, purchasing professionals** or anyone tasked with improving plant reliability and uptime.

Benefits

Chesterton Global Training offers our customers award-winning, on-line training. In today's world, time is money and what better way to learn than in your home. Pick your favorite time of day for learning in perfect comfort—anywhere you can access the internet. *What better way to learn?*

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Fluid Sealing Package: A special 50% discount when you register for all courses together — **Total \$1,200 US.**

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- 5+ registrations = 10%
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