

# **2017 Precision Maintenance and Reliability Seminars in Houston, Texas**

## **South Shore Harbour Resort and Conference Center**

### **MECH-101: Precision Maintenance Skills™**

February 6-10, 2017

May 22-26, 2017

September 18-22, 2017

**Suggested For: Mechanical Technicians, Planners, Supervisors, Engineers**

**Course Length: 36 Hours**

As our **most popular maintenance seminar** for the past 20 years, this seminar provides technicians with fundamental knowledge and skills needed for a wide variety of “precision repairs.” Beginning with a sound understanding of the requirements for “reliability-based maintenance,” this seminar focuses on precision fits and tolerances, precision measurement, torquing and tensioning techniques, precision assembly techniques, and the fundamentals of precision alignment. Filled with guided hands-on activities throughout, during the concluding activity, technicians apply all information covered during the seminar during a precision V-Belt installation exercise. Regardless of previous experience, technicians of all ages will reap tremendous benefits from this seminar.

### **MECH-304: Precision Bearing and Seal Installation and Troubleshooting™**

March 13-17, 2017

June 26-30, 2017

October 23-27, 2017

**Suggested For: Mechanical Technicians, Planners, Supervisors, Engineers**

**Course Length: 36 Hours**

This seminar follows-up on each of the precision maintenance practices presented in our MECH-101: Precision Maintenance Skills seminar, but focuses specifically on precision installation procedures for rolling element bearings, packing and mechanical seals. During guided hands on activities, attendees will remove and install deep groove ball bearings, angular contact bearings and tapered bore spherical roller bearings. They will also repack a pump and convert the pumps to both component and cartridge seals. Finally, they will gain troubleshooting experience through analysis of failed bearings and seals.

### **MECH-402: Precision Pump Repair™**

April 10-14, 2017

August 14-18, 2017

December 4-8, 2017

**Suggested For: Mechanical Technicians, Planners, Supervisors, Engineers**

**Course Length: 36 Hours**

In this seminar, attendees gain additional knowledge and skills by applying the fundamentals of precision maintenance to tasks involving various types of horizontal and vertical pumps. The intensively hands-on curriculum includes activities during which attendee will follow step by step procedures while disassembling, inspecting, evaluating and assembling overhung and horizontal split case pumps. Everything from proper inspection and disassembly, precision measurement and verification of precision fits, to assembly and mechanical seal installation are emphasized throughout.

# 2017 Public Maintenance Reliability Seminars Schedule

## Houston, Texas

DATES	COURSE	COURSE LENGTH	COST
February 6-10	<b>MECH 101:</b> Precision Maintenance Skills <sup>TM</sup>	36 Hours	\$1595.00
March 13-17	<b>MECH 304:</b> Precision Bearing and Seal Installation and Troubleshooting <sup>TM</sup>	36 Hours	\$1595.00
April 10-14	<b>MECH 402:</b> Precision Pump Repair <sup>TM</sup>	36 Hours	\$1595.00
May 22-26	<b>MECH 101:</b> Precision Maintenance Skills <sup>TM</sup>	36 Hours	\$1595.00
June 26-30	<b>MECH 304:</b> Precision Bearing and Seal Installation and Troubleshooting <sup>TM</sup>	36 Hours	\$1595.00
August 14-18	<b>MECH 402:</b> Precision Pump Repair <sup>TM</sup>	36 Hours	\$1595.00
Sept 18-22	<b>MECH 101:</b> Precision Maintenance Skills <sup>TM</sup>	36 Hours	\$1595.00
October 23-27	<b>MECH 304:</b> Precision Bearing and Seal Installation and Troubleshooting <sup>TM</sup>	36 Hours	\$1595.00
December 4-8	<b>MECH 402:</b> Precision Pump Repair <sup>TM</sup>	36 Hours	\$1595.00

Universal Technologies, Inc. *Activity Based Training* seminars provide practical information, detailed procedures, and result in immediate transfer of knowledge and skills to the job. All training materials are developed in accordance with current systematic approach to training (SAT) models for accredited training.

Contact our office for registration information or to discuss how Universal Technologies, Inc. can assist you with your reliability training initiatives [info@unitechinc.com](mailto:info@unitechinc.com) or call 303-674-7277.

Visit our website for individual seminar synopses at [www.unitechinc.com](http://www.unitechinc.com)

**Prices are per person. Discounts are available for companies sending 3 (three) or more individuals to an event.**