

# 2024 Turbomachinery Training



## YR TURBINE

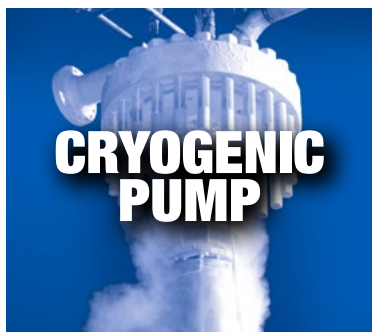
Length: 3 days

Class size: 8 min - 12 max

**April 8-10, 2024**  
**October 7-9, 2024**

**Price per Person:**  
**US\$ 1,800**

- Steam Turbine Theory
- YR Components & Function
- Overspeed Trip Systems, Governors, & Servo Motors
- Troubleshooting, Maintenance, & Operation
- Workshops:
  - AYR Disassembly/Assembly
  - Overspeed Trip Test
- Ebara Elliott Energy Shop Tour



## CRYOGENIC PUMP

Length: 2 days

Class size: 8 min - 12 max

**April 11-12, 2024**  
**October 10-11, 2024**

**Price per Person:**  
**US\$ 1,400**

- Basic Cryogenic Pump Types & Components
- Cryogenic Pump Basics
- Electrical Systems for Cryogenic Applications
- Cryogenic Pump Operation
- Vibration Monitoring System
- Cryogenic Pump Installation & Maintenance
  - Workshop: Cryogenic Pump Cutaway
- Ebara Elliott Energy Shop Tour



## MSMV STEAM TURBINE

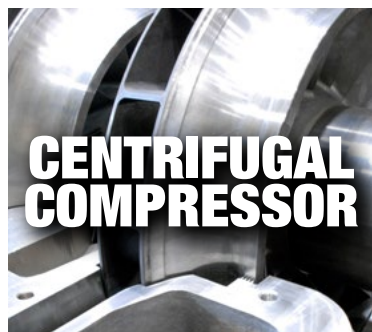
Length: 3 days

Class size: 8 min - 18 max

**April 15-17, 2024**  
**October 14-16, 2024**

**Price per Person:**  
**US\$ 1,950\***

- Steam Turbine Theory
- Steam Turbine Components & Function
- Governors & Servo Motors
- Trip Systems & Turning Gear
- Operation & Troubleshooting
- Preventative Maintenance
- Rotor Balancing
- Bearings, Gears, & Couplings
- Ebara Elliott Energy Shop Tour



## CENTRIFUGAL COMPRESSOR

Length: 3 days

Class size: 8 min - 18 max

**April 17-19, 2024**  
**October 16-18, 2024**

**Price per Person:**  
**US\$ 1,950\***

- Compressor Components & Function
- Aerodynamic Performance
- Anti-Surge Control
- Operation, Maintenance, & Troubleshooting
- Compressor Disassembly/Assembly
- Rotor Balancing
- Bearings, Gears, & Couplings
- Ebara Elliott Energy Shop Tour



## LUBE & SEAL SYSTEM

Length: 1.5 days

Class size: 8 min - 18 max

**April 22-23, 2024**  
**October 21-22, 2024**

**Price per Person:**  
**US\$ 1,150**

- Oil System Overview
- Buffer Gas System Overview
- Basic Instrumentation
- Start-Up & Operation
- Maintenance & Troubleshooting
- Ebara Elliott Energy Shop Tour

These courses are designed for maintenance, operations, engineers, and supervisory personnel for Ebara Elliott Energy turbomachinery.

\* NOTE: If you attend both the MSMV Steam Turbine and Centrifugal Compressor classes, the training is 5 days (middle day overlaps) and the tuition is US\$ 3,500.

## CUSTOMIZED ON-SITE TRAINING

When possible, Ebara Elliott Energy recommends that training take place at Ebara Elliott Energy – away from normal business and phone interruptions. However, when distance makes travel prohibitive, when staff availability is a problem, or when it is best that training be carried out at site (or using your own system configuration and equipment), Ebara Elliott Energy will draw from its technical resources to prepare and present a course to meet your specific needs. Our on-site classes are developed around the equipment installed at your location.

For a quote for customized on-site training, please call the Technical Training Department or send the following information by email to [training@elliott-turbo.com](mailto:training@elliott-turbo.com).

1. Ebara Elliott Energy Shop Order Number(s)
2. Desired Training Location
3. Number of Attendees
4. Attendees' Job Status (maintenance, operator, etc)
5. Desired date(s)
6. Agenda Requirements

## COURSE INFORMATION

**Register:** <https://www.surveymonkey.com/r/2024Training>

**Fee:** Covers course tuition, training manual, lunch & refreshments during class, and attendance certificate. Travel & living expenses are the responsibility of each student.

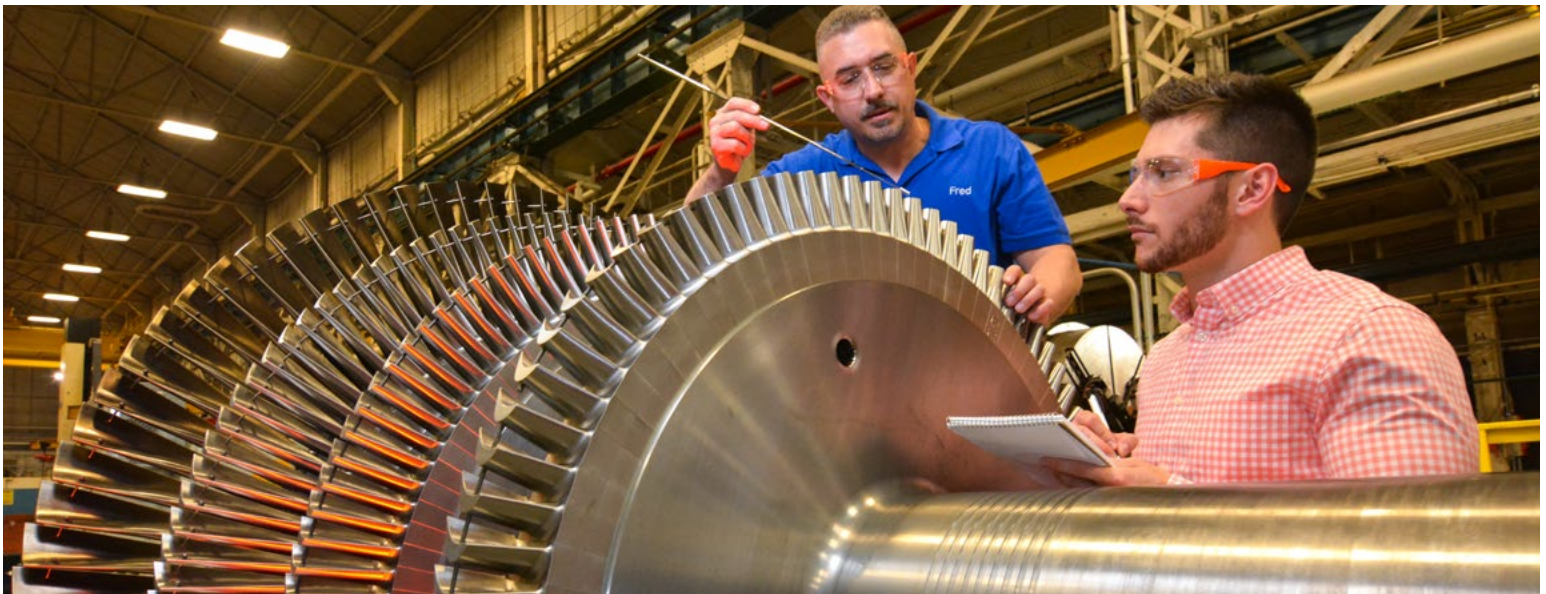
**Payment:** Payment is to be made prior to the class. We accept company checks or credit card (Visa or MasterCard).

**Location/Times:** All courses are conducted at our factory in Jeannette, PA. Classes are held 8:00am - 3:30pm.

**More information:** (724) 600-8521 or [training@elliott-turbo.com](mailto:training@elliott-turbo.com)

**Cancellation/Refunds:** Please notify the Training Department ASAP. Cancellations less than 21 days prior to class are subject to one-half of tuition. No refunds for No Shows. Ebara Elliott Energy reserves the right to cancel or reschedule any class. If Ebara Elliott Energy cancels, a full refund will be made.

Please check out our website for additional training programs and locations nearest you, and for our free webinars:  
[www.elliott-turbo.com/Training.asp](http://www.elliott-turbo.com/Training.asp)



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