

Train the Trainer

Training Course Outline



Hands-On

Significant hands-on training time, building both competence & confidence.



Expert Trainers

Expert trainers with decades of maintenance experience on all types of industrial equipment.



Small Class Size

Small class size with an excellent student to instructor ratio.

COURSE DESCRIPTION

In this 2-day course, Acoem USA's senior alignment trainers build on our *Shaft Alignment Best Practices* course, teaching their skills and techniques they have mastered over decades of shaft alignment practice and training. Those who successfully complete this course will not only be better aligners, but they will also be better troubleshooters of alignment problems on equipment and will be instructed on how to teach shaft alignment to their peers.

Instruction includes shaft alignment basics, alignment math, thermal growth, complex machinery alignment, and geometric measurements using laser tools, as well as troubleshooting tips. This training also allows the successful candidate the use of Acoem USA's copyrighted training materials to use in their facilities.



Who Should Take This Class?

- Those who have completed our *Shaft Alignment Best Practices* course as a prerequisite.
- Senior millwrights, reliability technicians, and engineers who are responsible for alignment quality in their organizations.
- Those who will instruct others, either on the job or informal training sessions, on shaft alignment.



CURRICULUM

Day One

Introduction

- How We Train
- The Basics of Shaft Alignment

Pre-Alignment


- Roughing In
- Proper Tightening Sequence
- Correcting Soft Foot
- Other Important Pre-Alignment Checks


Basic Shaft Alignment

- Offset and Angularity
- Solving for Misalignment using:
 - Straightedges
 - Calipers
 - Feeler Gauges
- Reverse Dial Indicator Method
- Laser Alignment Methods

 Duration: 2 Days

 Class Size: 4 Students

 Location:
Acoem USA
530-G Southlake Blvd.
Richmond, VA 23236
Also, available at your facility.

 Cost: Visit our website
for up-to-date pricing

Day Two

Tips to Improve Repeatability and Accuracy

- Importance of Pre-Alignment Steps
- Controlling Backlash
- Mechanical Looseness
- Measurement Dimension Accuracy
- Shims
- Jacking Bolts
- Machinery Movers
- Uncoupled Alignment

Functions of Your Laser Alignment Tool

- Configurations of Specific Tools used by attendees
- Tolerances
- Measurement Methods
- Sampling Time and Repeatability

Instruction on Delivering Shaft Alignment Training

- Classroom Setup
- Troubleshooting Problems
- Basic Communication Skills used in Maintenance and Craft Training
- How to employ Acoem USA Training Materials

Have a Question,
Want to Sign Up?
acoem.us/training

CONTACT US
Sonya Cheatham

sonya.cheatham@acoem.com
804.419.8837

