



This course is intended for the vibration analyst who will:

- Collect vibration data
- Validate that the data is good
- Begin to perform basic analysis
- Use the training and certification as the start of a new and rewarding career as a vibration analyst

What will you learn from taking this course?

- About condition monitoring, including a summary of the most common technologies
- About reliability improvement
- How vibration analysis plays a key role in reliability improvement
- About how machines work via the supplementary self study “equipment knowledge” section of the manual
- About the fundamentals of vibration: waveforms, spectra, and simple metrics (overall levels, RMS, peak, peak to peak, and crest factor)
- How to take dependable, repeatable, high-quality vibration readings
- About vibration sensors, and how and where to mount them

- The basics of the analysis process, primarily with vibration spectra
- The basics of the key analyzer settings: fmax, resolution, and averaging
- The basics of setting alarm limits
- About the common “failure modes” of machines and how to detect them, including rolling element bearing faults, unbalance, misalignment, looseness, and resonance

Compliance:

- Training and certification: ISO 18436-2
- Certification: ISO 18436-1, ISO/IEC 17024
- Training: ISO 18436-3

Exam:

- Two hours
- 60 multiple-choice questions
- 70% passing grade
- Can be taken online or in-person at the course

Duration

30 hours, typically over four days

Format

- Live public course
- On-site course
- Virtual online course
- Video distance learning online courses

Certification requirements:

- Training course completed
- 6-months of work experience, verified by an independent person
- Pass the exam
- Valid for 5 years

