

# Mechanical Systems & Tools

## Technical Training Course



### By attending this 3-day Training Course:

Your organisation will begin to save money significantly beyond the cost of this course as the course aim is to maximise production time by minimising downtime. For too many years we have witnessed cases whereby a basic lack of understanding of the principles of Mechanical Systems has led to significant losses of production – which in turn affects your organisation's bottom line!

Furthermore, attempting to repair even a minor mechanical problem whilst using incorrect tools, or without understanding basic mechanical principals, may lead to your machinery and process going down hard. This, of course, compounds your problems by giving your organisation the additional headache of excessive product wastage and an expensive repair bill as well as lost production time.

### Instructor Profile:

Declan McEvoy has been working with Mechanical Systems & Tools in Ireland, and abroad, for over 35 years.

He has been an Instructor in various Engineering subjects for over 25 years.

Declan is a practical hands-on person, passionate about his subject and most articulate in its delivery. He has a wealth of experience to share and is capable of bringing any training session to life.

### Course Overview:

- Safety in the Mechanical World!
- Engineering Reference Books
- The ISO Metric System
- Tools & Their Correct use - 92 types
- Mechanical Measurement
- Engineering Materials
- Methodical Dismantling and Re-assembly Practices
- Tribology:
  - Lubrication, Friction & Wear
  - Mechanical Seals
- Limits & Fits
- Drills, Drill Bits & Reamers
- Screw Thread Technology
- Screws, Bolts, Nuts & Washers
- Dealing with Broken / Sheared Studs & Damaged Threads
- Bearings & their Applications
- Power Transmission Systems
- Reading Mechanical Prints
- Workshop Machining Processes
- Open floor discussion session

### This course is intended for:

- Maintenance Personnel
- Production/Engineering Supervisors
- Production/Process Personnel
- Technical Trainers
- Technical Sales Personnel



### Ralph Waldo Emerson once said:

"As to methods there may be a million and then some, but principles are few... The man who understands principles can select his own methods, but the man who tries methods without understanding principles, is sure to struggle".

### Included with the Course:

- 3 days of intensive expert tuition
- Use of Modern Machine Shop
- Detailed course work-book
- Valuable USB Resources
- Several complimentary tools
- Engineers Reference Handbook
- Full Lunch and Refreshments

### What others are saying:

Declan is one of life's gentlemen and was great company for the 3 days. He gave many great examples from his own life experiences that helped make the theory relevant. He kept the flow of information very manageable. He had a great ability to relay complex information in a way that was both interesting and understandable. You can't but learn from him.

Denis Scully (denis.scully@analog.com)

**Okay... How do I sign up?**

Go to: [www.automation.ie](http://www.automation.ie)