Available as a virtual course or with lab hardware, Mechanical Measurement and Quality Control delivers a solid foundation in the principles and practices of precision measurements and statistical analysis.

Students learn to use precision measurement tools, such as steel rule, tape measure, protractor, micrometer, height gauge, various calipers and dial indicators. Activities also involve reading mechanical drawings, selecting proper tools for inspecting parts, collecting data on a sample and preparing quality/inspection reports.

Students learn how to collect data on a sample and calculate the mean, median and standard deviation. They also learn how these concepts relate to statistical sampling, tolerance and quality control. The training package includes statistical process control (SPC) software that allows students to collect, display and analyze measurement data graphically.

Foundation Skills courses are powered by LearnMate®, intelitek’s innovative e-learning platform. Self-paced interactive LearnMate® content may be deployed stand-alone or through the robust learning management system (LMS). The LearnMate® e-learning suite provides everything needed for the ultimate blended learning experience.

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Foundations Program courses include:

- Employability
- Industrial Safety: Lockout/Tagout
- Introduction to Advanced Manufacturing
- Introduction to Lean Manufacturing
- Mathematics for Technicians 1 & 2
- Blueprint Reading
- Lubrication for Technicians
- Mechanical Measurement and Quality Control
- Mechanical Fasteners
- Hand Tools & Power Tools

Make Mechanical Measurement and Quality Control part of a comprehensive STEM program!

Foundations Program courses are an excellent launching point for more in-depth programs in engineering, mechatronics, automation, advanced manufacturing and more!