

## MANUFACTURING INSPECTION CERTIFICATE

Inspection is the measurement of parts to ensure that they conform to specifications. Often, measurements smaller than the width of a human hair determine if a part is “good” or “bad.” Inspection activities ensure that the part is a quality part that meets the needs of the customer.

To help individuals learn the fundamental approaches of inspection and the most common instruments used for inspection, The Ohio State University ATI, in conjunction with Tooling U SME, has developed the Manufacturing Inspection Certificate.

This certificate program includes 18 one-hour online courses (to be completed over a 3-month period) covering instruments such as the caliper, micrometer, and CMM and eventually addresses calibration and more advanced inspection methods.

After successful completion of all 18 online courses (passed with an 80% or higher) students will receive an electronic certificate of completion.

Certificate program includes the following courses:

|                                     |   |
|-------------------------------------|---|
| BASIC MEASUREMENT 101               | NONDESTRUCTIVE TESTING 211              |
| CALIBRATION FUNDAMENTALS 111        | MEASURING SYSTEM ANALYSIS 300           |
| BASICS OF TOLERANCE 121             | INTRODUCTION TO GD&T 301                |
| BLUEPRINT READING 131               | MAJOR RULES OF GD&T 311                 |
| PRINTS & ENGINEERING DRAWINGS 132   | GD&T APPLICATIONS 312                   |
| HOLE STANDARDS AND INSPECTION 141   | INSPECTING WITH OPTICAL COMPARATORS 351 |
| THREAD STANDARDS AND INSPECTION 151 | INSPECTING WITH CMMS 361                |
| INTRO TO GD&T 200                   | CALIBRATION AND DOCUMENTATION 371       |
| SURFACE TEXTURE AND INSPECTION 201  | IN-LINE INSPECTION APPLICATIONS 381     |

**OCT. 15, 2021 - JAN. 11, 2022**

**PRICE: \$199**