

# METROLOGY MINI SKILLS CERTIFICATE

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Division: Technology and Engineering

PROGRAM CODE: 2C40521

The **Metrology Mini Skills Certificate** is designed to prepare students for entry-level employment in the inspection, Quality Assurance and/or manufacturing field. The courses in this program focus on dimensional metrology, inspection reporting, mechanical part geometry and computer-assisted inspection. This Certificate program is also designed to enhance the skills of individuals already in the inspection, Quality Assurance and/or manufacturing field that have a desire to learn more about metrology tools in the manufacturing trade. The student is required to complete a total of 13 units. At least one half of the units toward the certificate must be completed at Fullerton College. A minimum grade of C or better is required for each course taken.

Code	Title	Units
<b>Required Courses (13 units):</b>		
MACH 180 F	Introduction to Metrology	3
MACH 182 F	Introduction to CMM Inspection and Romer Arms	3
MACH 184 F	Advanced CMM and Romer Arm Inspection	3
MACH 185 F	CMM and Romer Arm Applications	2
DRAF 173 F	Geometric Dimensioning and Tolerancing	2
<b>Total Units</b>		<b>13</b>

**Outcome 1:** Demonstrate proficiency in completing a simple Inspection Report for piece parts utilizing basic measurement tools and drawings.

**Outcome 2:** Demonstrate the ability to perform simple calculations for unit conversions and to obtain final values from drawings for Inspection Reports.

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[https://www.curricunet.com/fullerton/reports/program\\_report.cfm?programs\\_id=788](https://www.curricunet.com/fullerton/reports/program_report.cfm?programs_id=788)