

# MACHINE TECHNOLOGY LEVEL I CERTIFICATE

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Division: Technology and Engineering

PROGRAM CODE: 2C36522A

The **Machine Technology Level I Certificate** is designed for students wishing to pursue a career in machining or manufacturing. This type of certificate program typically leads to entry level careers as a machinist, toolmaker, CNC operator, CNC programmer, manufacturing engineer, process engineer, field service technician as well as a number of other manufacturing/service positions. This certificate requires a total of 18 units. At least one half of the units toward the certificate must be completed at Fullerton College. A grade of C or better is required for each course taken.

Code	Title	Units
<b>Required Courses (18 units):</b>		
MACH 101 F	Introduction to Machine Tools (formerly MACH 091 F)	5
MACH 102 F	Intermediate Machine Tools (formerly MACH 092 F)	5
MACH 103 F	Advanced Machine Tools (formerly MACH 093 F)	5
MACH 110 F	CNC Machine Set-Up and Operation (formerly MACH 086 F)	3
<b>Total Units</b>		<b>18</b>

**Outcome 1:** Analyze and solve mathematical calculations necessary to determine part feature locations of machined parts to fabricate piece parts to drawing specifications..

**Outcome 2:** Demonstrate the ability to evaluate machined parts per drawing specifications by selecting and utilizing the appropriate measuring tools.

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