

MACHINE TECHNOLOGY: CNC MACHINE OPERATOR - CERTIFICATE OF ACHIEVEMENT LEVEL 2

San José City College offers an Associate in Science (AS) in CNC Machining and three certificates: CNC Machine Operator, Entry Level Machinist, and CNC, CAD/CAM Machinist. Successful completion of program prepares the graduate for entry into the machinist trade and positions in industry requiring technical skill and understanding of precision metalworking. Most courses applying to degree or certificate have basic language/math requirements and/or course prerequisites. A grade of "C" or better is required in all major, certificate and major elective courses.

CAREER OPTIONS:

- Mechanic Shop Deburr/Detail Person
- Manual Machinist
- CNC Operator
- CNC Programmer
- CNC Setup Operator/Programmer
- Tool and Die Inspector
- QA/QC Inspector
- Expeditor

Upon successful completion of this program, students will be able to:

- Demonstrate the proper use of machine tools, methods, recognition of different type of materials; and follow safety practices and procedures used in the industry.
- Demonstrate understanding of machine technology vocabulary, and be able to apply concepts in a practical manner. Students will solve problems related to set up applications.
- Read and interpret blueprints, sketches, ANSI specifications, shop drawings, and communicate with various groups the practical application of such interpretations.
- Apply and use new technologies that emerge in this changing field.

Certificate Requirements

Course	Title	Credits
MACH 120	Basic CNC Machining Center/CNC Mill	4.5
MACH 123	Basic CNC Lathe	4.5
MACH 126	Advanced CNC Machining Center and Turning Center	4.5
MACH 129	CNC Programming and Operations	4.5
Total Units		18