



Skills Certificate in Machinist Level I

The Skills Certificate in Machinist Level I is designed for the student who wants to get into the manufacturing workforce as soon as possible. Upon completion of the certificate, students will gain knowledge and exposure to various styles of machining, including manual and computer numerical controlled (CNC) machining. The certificate also allows students to gain certifications from the National Institute for Metal Working Skills (NIMS). This 18-credit hour program can be completed in one semester and provides entry-level experience and fundamental skills.

Machinists need good eyesight, hand-eye coordination and manual dexterity. Students need to be able to concentrate for long periods of time as well as lift up to 45 pounds, bend, stoop, and kneel. All students should be aware welding fumes produce a chemical known to the state of California to cause cancer and birth defects (or other reproductive harm). Students should review the Material Data Safety Sheets (MSDS) available in the welding department located in the Fielding Technical Center, Room 270, to be aware of the hazards of welding fumes.

Some programs require essential qualifications to be admitted and retained. Visit www.sfccmo.edu/essential-qualifications. Not all courses are offered every semester. Check with your navigator or the program coordinator. Refer to the course descriptions for prerequisites.

Courses to complete with a grade of C or higher^^

Program Requirements	18 Hours
ENGL 110 Communication for Business and Industry	3
MACH 101^^ Introduction to Machining	4
MACH 105^^ Metrology	4
MACH 111^^ Introduction to CNC Machining	4
TECH 101 Technical Math	3
Certificate Total	18 Hours