



Manual Machining Certificate of Achievement
Dual Enrollment Program

Upon successful completion of the Manual Machining certificate, the student will demonstrate skills, knowledge and training for entry-level positions in a variety of industries including machine shops, metal fabrication shops, tool and die shops, mold shops, industrial maintenance or millwright positions, and apprenticeships in these fields. The student will demonstrate the safe and proper operation of lathe, milling machine, grinding machines, drilling and sawing machines, and other common shop tools. The student will demonstrate an ability to apply mathematics, problem solving skills, and machining techniques to the fabrication process.

Program Requirements

HS Grade / Semester	Course	Units	Tentative Schedule
Junior / Fall 2021	INDUS 94 Industrial Mathematics	3	3 hours per week/online
Junior / Fall 2021	MACH 70A Machining Fundamentals I	3	1hr week/online M/W 1:30-4:30 Lab @ Delta
Junior / Spring 2022	MACH 70B Machining Fundamentals II	3	8 weeks, 2hrs week/online; M/T/W/Th 1:30-4:30 pm Lab @Delta
Junior / Spring 2022	MACH 73A Intermediate Machining Methods I	3	8 weeks, 2hrs week/online; M/T/W/Th 1:30-4:30 pm Lab @Delta
Senior / Fall 2022	MACH 73B Intermediate Machining Methods II	3	TBD
Senior / Fall 2022	WELDING 10 Basic Welding for the Trades	4	TBD
Senior / Spring 2023	WELDING 98 Metal Trade Layout, Forming, and Fabrication	5	TBD

- Courses will be offered on Delta College campus Machine Classroom/Shop during the last block of the school day.
- Stockton Unified School District will be responsible for busing students to Delta College
- Classes must have a cohort of 25 students each

Interested Students can take the following survey:

https://stocktonunified.co1.qualtrics.com/jfe/form/SV_cSA2SOVxFkIIQQ6