

TOOL & DIE CERTIFICATE OF ACHIEVEMENT

This certificate is designed to prepare students for entry-level employment in producing tools, dies, and special guiding and holding devices that enable machines to manufacture a variety of products used daily - from clothing to furniture to heavy equipment and parts for aircraft.

Code	Title	Units
Required Courses:		
MACH 021	Machine Shop I	4
MACH 022	Machine Shop II	4
MACH 090	Mechanical Print Reading	3
MACH 120	Machine Shop Theory	2
MACH 123	Machine Shop III	4
MACH 124	Machine Shop IV	4
TECALC 087	Technical Calculations	4
Required Specialized Courses:		
MACH 061	Jig and Fixture Machining	4
MACH 129	Manufacturing Processes	3
MACH 160	Tool and Die	4
Total Units		36

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

This is a Gainful Employment Program

Program Learning Outcomes

At the completion of this program, students will be able to:

- Demonstrate safety by passing NIMS and OSHA safety.
- Read and perform work according to blueprints or drawing sheets.
- Operate machinery to complete a task with precision and accuracy.