

MTTN111N : Machine Tool Processes and Theory I

This course introduces the student to the fundamentals of basic machining, the machines covered include: the engine lathe, vertical mill, and other standard machine tools. Machining topics such as turning, boring, drilling, threading, drill and lathe tool grinding along with shop safety will be discussed. An in-depth look at lathe tool geometries, drill sharpening, and various off hand grinding techniques along with basic print reading, inspection methods and tools will be covered. A student must earn a grade of 'C' or better to achieve a passing grade in this course.

Class Hours 3

Lab Hours 9 **Credits** 6