MANF211L : CNC Machines II

In this course students will expand on knowledge from CNC Machines I as well as be introduced to Computer Aided Manufacturing (CAM). CNC Machines topics will include machine speeds and feeds, feed rate, and cycle time optimization. Students will also learn alternative drilling cycles, subprograms, cutter compensation, and scaling/mirroring. CNC Machine safety will be stressed throughout this course. Students will also be introduced to CAD/CAM with topics to include part geometry, CAM-Mill processes, contouring, cycle time estimation, tool selection, material selection, cutter compensation, parameter pages, contour applications, roughing, finishing and tool paths.

Credits 1
Lab Hours 0
Class Hours 1
Prerequisite Courses
MANF151L: CNC Machines I