

CABINET & MILLWORK II MACHINE TOOLS ARTICULATION

Pierce County Careers Connection
Dual Credit Articulation Agreement

Upon completion of a full year of high school or equivalent to the following competencies:

- Given the operators manual, a selection of saw blades, specifications, wood stock and other tools as necessary, the student will complete 100% of the following:
Operate a Table Saw (demonstrate proficiency to industry standards in):
 - Inspecting and cleaning the saw
 - Removing/replacing blades
 - Laying out and making crosscuts
 - Laying out and making rip cuts
 - Laying out and making miters
 - Laying out and making dados
 - Laying out and making grooves

Accuracy of all cuts must be within + or – 1/32 inch
- Operate an electric drill or drill press, given the operators manual, specifications, attachments, wood stock and other tools as necessary.
Demonstrate proficiency in:
 - Inspecting and cleaning equipment
 - Drilling and boring holes
 - Counter boring holes
 - Countersinking holes in wood stock
 - Holes must be located in the specified locations with a tolerance of + or – 1/64 inch of diameter location and depth
 - No damage will be caused to the cutting tool and the stock will not be splintered or chipped
- Operate a band saw, given the operators manual, specifications, attachments, wood stock and other tools as necessary.
Demonstrate proficiency in:
 - Inspecting and cleaning the equipment
 - Removing/replacing blades
 - Layout and making straight cuts
 - Freehand cuts
 - Rectangular openings

Stock must be cut to specified dimensions + or – 1/16 inch with edges at 90 degree angle to the stock face
- Demonstrate proper use of hand tools
 - Select proper tool for the job without error
 - Use tools in accordance with textual directives for utilization and all appropriate OSHA, WISHA, and standard shop safety practices must be followed in their use.
 - Maintain and restore/return cutting/holding edges to original design
 - Restored tool to perform as it was intended and be as secure and sharp as original

A student earning a “C” grade or better may earn college credit at the following college:

<u>College</u>	<u>Course</u>	<u>Credits</u>
Bates Technical College	ARWC 105	4