

# 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 "B" 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