

Appendix A – Student Laboratory Machine Hazard Classification Table

Machine Hazard Class:	1	2	3	4
Machine/Tool Category:	Unpowered/Low Power Hand Tools	Corded/Cordless Power Tools	Light Duty Industrial Tools	High Power Industrial Tools
Common Machine Examples*:	<ul style="list-style-type: none"> • Palm Sander • 3/8" Chuck Power Drill • Electric Screwdriver • Multitool • Soldering Iron • Heat Gun • Hot Glue Gun • 3D Printer 	<ul style="list-style-type: none"> • 1/2" Chuck Power Drill • Circular Saw • Handheld Belt Sander • Router • Miter Saw • Angle Grinder • Reciprocating Saw • Jig Saw 	<ul style="list-style-type: none"> • Benchtop Band Saw • Benchtop Drill Press • Benchtop Milling Machine • Radial Arm Saw • ≥6" Bench Grinder • Belt/Disc Sander • Table Saw 	<ul style="list-style-type: none"> • Milling Machine • Metal Lathe • Hydraulic Power Press • Band Saw • Power Shear • Welding equipment
User Training Requirements:	<ul style="list-style-type: none"> • Basic machine safety training. • Department specific training on lab policies/procedures. 	<ul style="list-style-type: none"> • Basic machine safety training. • Department specific training on lab policies/procedures. • General power tool safety training. 	<ul style="list-style-type: none"> • Basic machine safety training. • Department specific training on lab policies/procedures. • Individual equipment specific training. 	<ul style="list-style-type: none"> • Basic machine safety training. • Department specific training on lab policies/procedures. • Individual equipment specific training.
Space Access Controls:	<ul style="list-style-type: none"> • Space access is restricted by key, PIN, or card reader. 	<ul style="list-style-type: none"> • Space access is restricted by key, PIN, or card reader. • Tools in mixed use/shared spaces must be stored secured against unauthorized use. 	<ul style="list-style-type: none"> • Space access is restricted by key, PIN, or card reader. • Tools in mixed use/shared spaces must be stored secured against unauthorized use. 	<ul style="list-style-type: none"> • Space access is restricted by key, PIN, or card reader. • Individual machines require an access control system to prevent unauthorized users (unless space access can be fully controlled/restricted).
Machine Use Supervision:	<ul style="list-style-type: none"> • Solo work permissible for authorized students. 	<ul style="list-style-type: none"> • At least one Buddy, Faculty, OR Staff must be present in the area for work to be performed. 	<ul style="list-style-type: none"> • At least one Buddy, Faculty, OR Staff must be present in the area for work to be performed. 	<ul style="list-style-type: none"> • At least one Buddy, Faculty, OR Staff must be present in the area for work to be performed. • Faculty/Staff must be physically present in building during use.

* This table is not all-inclusive. Contact Laboratory Safety at LabSafety@Rowan.edu or 856.256.5105 for information on any equipment, devices, or tools that are not found on this list, but are in use in your shop space.