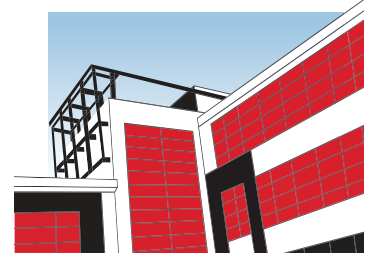


# RDC NANCY RICHARDSON DESIGN CENTER

COLORADO STATE UNIVERSITY

RDC Lab Access Membership:  
\$130/Semester



- PROTOTYPE
- WOOD
- METAL
- IMAGING
- IDEATION

RDC Lab Access Membership grants immediate availability to our online and in-person training and equipment reservation. The following lists membership benefits, use beyond what is included is provided at additional cost.

	Equipment	Included with Access Membership	Training*	RDC Provides	Lab User Provides
PROTOTYPE	Media Cutters	Unlimited Use	10.5 Minutes <i>Online Training</i>	Daily maintenance and maintenance supplies, operation support, computers, and software licenses	Material to be cut, finished digital drawing
	Sewing Machines	Unlimited Use	Online Training	Daily maintenance and maintenance supplies, operation support, and basic needle/thread selection	Fabric, specialty thread
	Embroidery Machine	Unlimited Use**	Online Training	Daily maintenance and maintenance supplies; operation support; and basic needle, thread, bobbin, backing, and topping selection	Fabric; specialty thread, backing, and topping
	Quilting Machine	Unlimited Use**	Online Training	Daily maintenance and maintenance supplies, operation support, software licenses, computer access, and basic needle/thread selection	Fabric, specialty thread
	Seam Welder	Unlimited Use	Online Training	Daily maintenance and maintenance supplies, operation support, and basic horn/anvil selection	Material to be welded
	Roland Vinyl Ink Printer	1 linear ft.	Online Training	Ink, daily maintenance and maintenance supplies, operation support, computer access, software licenses, and material selection for purchase	Finished digital drawing, vinyl and ink for final project
	Roland UV Ink Printer	1 square ft.	Online Training	Ink, daily maintenance and maintenance supplies, operation support, computer access, and software licenses	Finished digital drawing
	Mutoh Direct to Cloth Ink Printer	1 linear yd.	7.5 Minutes <i>Online Training</i>	Ink, daily maintenance and maintenance supplies, operation support, computer access, software licenses, heat press, and fabric selection for purchase	Finished digital drawing
	Epson Dye Sub Ink Printer	1 linear yd.	3.5 Minutes <i>Online Training</i>	Ink, daily maintenance and maintenance supplies, operation support, computer access, software licenses, heat press, transfer paper, and fabric selection for purchase	Finished digital drawing
	FDM 3D Printers	250 g.	11 Minutes <i>Online Training</i>	Filament, daily maintenance and maintenance supplies, operation support, computer access, and software licenses	Finished digital drawing
	SLA 3D Printers	25 ml.	9 Minutes <i>Online Training</i>	Resin, daily maintenance and maintenance supplies, operation support, computer access, software licenses, wash station w/ isopropyl, and uv curing station	Finished digital drawing
	Electronics Benches	Unlimited Use	Online Training	Solder, soldering iron, soldering vent fan, power supply, oscilloscope, and basic hand tools	Electronics components
WOOD	Table Saw	Unlimited Use	3 Hours <i>Included in General Wood Lab Training</i>	Daily maintenance and maintenance supplies, operation support, wide blade selection, breaks, push sticks, and dust collection	Wood
	Jointer	Unlimited Use	3 Hours <i>Included in General Wood Lab Training</i>	Daily maintenance and maintenance supplies, operation support, push sticks, knife replacement, and dust collection	Wood
	Planer	Unlimited Use	3 Hours <i>Included in General Wood Lab Training</i>	Daily maintenance and maintenance supplies, operation support, push sticks, knife replacement, and dust collection	Wood

	Equipment	Included with Access Membership	Training*	RDC Provides	Lab User Provides
WOOD	Panel Saw	Unlimited Use	3 Hours <i>Included in General Wood Lab Training</i>	Daily maintenance and maintenance supplies, operation support, blades, and dust collection	Wood
	Band Saws	Unlimited Use	3 Hours <i>Included in General Wood Lab Training</i>	Daily maintenance and maintenance supplies, operation support, blades, and dust collection	Wood
	Lathe	Unlimited Use	3 Hours <i>Included in General Wood Lab Training</i>	Daily maintenance and maintenance supplies, operation support, tooling, work holding fixtures, and tool sharpening equipment	Wood
	Sanding Machines	Unlimited Use	3 Hours <i>Included in General Wood Lab Training</i>	Daily maintenance and maintenance supplies, operation support, and replacement sand paper	Wood
	Sand Blaster	Unlimited Use	3 Hours <i>Included in General Wood Lab Training</i>	Daily maintenance and maintenance supplies, operation support, and blast medium	Wood
	Miter Saws	Unlimited Use	3 Hours <i>Included in General Wood Lab Training</i>	Daily maintenance and maintenance supplies, operation support, blades, and dust collection	Wood
	Scroll Saws	Unlimited Use	3 Hours <i>Included in General Wood Lab Training</i>	Daily maintenance and maintenance supplies, operation support, blades, and dust collection	Wood
	Drill Press	Unlimited Use	3 Hours <i>Included in General Wood Lab Training</i>	Daily maintenance and maintenance supplies, operation support, and wide bit selection	Wood
	Router Table	Unlimited Use	3 Hours <i>Included in General Wood Lab Training</i>	Daily maintenance and maintenance supplies, operation support, and wide router bit selection	Wood
	Hand Tools	Unlimited Use	3 Hours <i>Included in General Wood Lab Training</i>	Daily maintenance and maintenance supplies, operation support, and sharpening equipment	Wood
	CNC Router	2 hours <i>With RDC provided tooling. Unlimited with lab user supplied tooling.</i>	1.5 Hours	Daily maintenance and maintenance supplies, operation support, specialized software: CAD/CAM, waste board for bed, tooling, work holding fixtures, precision measurement tools: calipers, rulers, dial test indicators, and tool setting equipment	Material to be cut, finished digital drawing

METALS	CNC Mill	2 hours <i>With RDC provided tooling. Unlimited with lab user supplied tooling.</i>	1.5 Hours	Daily maintenance and maintenance supplies, operation support, specialized software- CAD/CAM, waste board for bed, tooling, work holding fixtures, precision measurement tools- calipers, rulers, dial test indicators, and tool setting equipment	Material to be cut, finished digital drawing
	Mig Welder	Unlimited Use**	2 Hours	Daily maintenance and maintenance supplies, operation support, welding wire, replacement tips, shielding gas, grinders and grinding wheels, specialized PPE- welding hood, leather gloves, flame resist jackets, and essential hand tools- wire snips, wire brush, nozzle cleaner, and layout tools	Metal
	Plasma Cutter	Unlimited Use**	1.5 Hours	Daily maintenance and maintenance supplies, operation support, tips, angle grinder and grinding wheels, specialized PPE- shaded visor, leather gloves, and flame resist jacket	Metal
	Oxy Fuel Torch	Unlimited Use**	1.5 Hours	Daily maintenance and maintenance supplies, operation support, tips, oxygen and fuel gases, angle grinder and grinding wheels, specialized PPE- shaded visor, leather gloves, and flame resist jackets	Metal
	Tig Welder	Unlimited Use**	2 Hours	Daily maintenance and maintenance supplies, operation support, welding wire, replacement tips, shielding gas, grinders and grinding wheels, specialized PPE- welding hood, leather gloves, flame resist jackets, and essential hand tools- wire snips, wire brush, and layout tools	Metal
	Bench Grinder	Unlimited Use	2.5 Hours <i>Included in General Metal Lab Training</i>	Daily maintenance and maintenance supplies, operation support, and replacement wheels	Metal

	Equipment	Included with Access Membership	Training*	RDC Provides	Lab User Provides
METALS	Band Saw	Unlimited Use	2.5 Hours <i>Included in General Metal Lab Training</i>	Daily maintenance and maintenance supplies, operation support, and blades	Metal
	Drill Press	Unlimited Use	2.5 Hours <i>Included in General Metal Lab Training</i>	Daily maintenance and maintenance supplies, operation support, and wide bit selection	Metal
	Cold Saw	Unlimited Use	2.5 Hours <i>Included in General Metal Lab Training</i>	Daily maintenance and maintenance supplies, operation support, coolant, and replacement blades	Metal
	Chop Saw	Unlimited Use	2.5 Hours <i>Included in General Metal Lab Training</i>	Daily maintenance and maintenance supplies, operation support, and replacement disks	Metal
	Welding Booth	Unlimited Use	2.5 Hours <i>Included in General Metal Lab Training</i>	Daily maintenance and maintenance supplies, operation support	Metal
	Ventilation Booth	Unlimited Use	2.5 Hours <i>Included in General Metal Lab Training</i>	Daily maintenance and maintenance supplies, operation support, and replacement filter	Metal
	Sheet Shear	Unlimited Use	2.5 Hours <i>Included in General Metal Lab Training</i>	Daily maintenance and maintenance supplies, operation support, hydraulic oil, and replacement knives	Metal
	Hand Shear	Unlimited Use	2.5 Hours <i>Included in General Metal Lab Training</i>	Daily maintenance and maintenance supplies, operation support, and replacement knives	Metal
	Slip Roller	Unlimited Use	2.5 Hours <i>Included in General Metal Lab Training</i>	Daily maintenance and maintenance supplies, and operation support	Metal
	Air Compressor	Unlimited Use	2.5 Hours <i>Included in General Metal Lab Training</i>	Daily maintenance and maintenance supplies, motor oil, replacement regulators, pneumatic tools and hoses, and operation support	
	Heat Press	Unlimited Use	0.5 Hour	Daily maintenance and maintenance supplies, heat drum oil, heat resistant gloves, waste paper, and operation support	Item to be heat pressed
IMAGING	Screen Printing Press	15 prints	Provided via toolbox courses <i>Spring 2022</i>	Screens (up to 3 at a time), ink, cleaning supplies, aprons, press access, and PPE	Design file to be printed
	Exposure Unit	Unlimited Use	Provided via toolbox courses <i>Spring 2022</i>	Emulsion, transparency paper, and black UV ink printing to produce three masks; PPE; and exposure unit	Design file to be exposed
IDEATION	Room 120	Unlimited Reservations	Provided via toolbox courses	One HTC Vive Pro headset, VR workstation, RDC Steam account during room use	VR file

\* Times noted are for duration of videos or in-person training. To complete training, certification quizzes through Canvas are required each academic year.

\*\* The RDC reserves the right to charge lab users for excessive use of consumable materials.

Last updated Spring 2022  
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