

The ADX Shop Training Program is designed to teach you everything you need to know about the wood shop, metal shop, jewelry studio and printmaking studio. Tackle one shop at a time and learn the ins and outs of operating the equipment safely, learning how to fix the equipment efficiently and cost effectively, troubleshooting issues that arise with tools and materials, and mastering the art of keeping a heavily used shop clean and safe.

All students of the ADX Shop Training Program are required to commit to the following for a minimum of 3 months:

- 1) one, 4-hour per week **training shift**. These training shifts are held Monday-Friday from 12pm to 4pm. Your schedule will depend on which shop you would like to specialize in. The training shifts are far more in depth than the standard classes we offer to the public. For example we will spend 1 day just on the SawStop: how to use it, make adjustments, replace the blade, maintain properly, and how to safely assist others with proper use.
- 2) one, 6-hour per week **working shift** for practicing the lessons learning during the training shift. The working shift includes cleaning and maintaining the shop, doing facility upgrades that keep the shop operating efficiently, and helping members use the shop safely.

All Shop Training Program students receive shop access during our Community Access hours (M-F 12pm -10pm and Sat - Sun 9am - 9pm) and heavily discounted prices on our standard classes.

Students who are interested in design/build project based work and fabrication, will have the opportunity to work on community projects, such as the Portland Adult Soap Box Derby, special projects for non-profit community partners, and entries for local, regional and national design competitions.

Students who are interested in teaching will have the opportunity to apply for Teaching Assistant positions for classes, and eventually, as needed, an ADX Instructor position.

To apply for the ADX Shop Training Program please send your resume and a letter of interest that includes the shops you are interested in learning about (wood, metal, print, jewelry), the amount of time you are able to commit to the program (3 month minimum required to qualify), your goals (job skills, teaching, design/build/fabrication, other) and your current level of experience in the shop to [kelly@adxportland.com](mailto:kelly@adxportland.com)

## TRAINING SHIFT CURRICULA

### Wood Shop

TOOLS: Table saw, Band saw, Panel saw, Miter saw, Jointer, Planer, Drum sander, Router table, Lathe, Edge sander, Spindle sander, Combo sander, Orbital sander, CNC router, Drill press, Mortising machine, Dust collection

PROCESSES: Milling, Glue-ups, Surfacing, Dado, Assembly, Finishing, Joinery

PROJECTS: Cutting Board, Signage, Band saw box, Table, Chair, 1x custom

### Metal Shop

TOOLS: Stomp shear, Beverly shear, Finger brake, Horizontal band saw, Cold saw, Slip roller, Drill press, Tube roller, Abrasive miter saw, Angle grinder, Circular grinder, Plasma cutter, Plasma CNC, MIG welder, TIG welder, Oxy/Acetylene, Sand blaster

PROCESSES: Squaring, Cleaning, Welding, Grinding, Finishing

PROJECTS: Tube structures, Rod/bar structures, Exterior signage, Sheet metal fixture, Hairpin legs, 1x custom

### Jewelry Shop

TOOLS: Acetylene torch, Pickle, Flex shaft, Drill press, Beverly shear, Stomp shear, Belt sander, Polishing wheel, Rolling mill, Bench accessories, Ring stretcher/reducer, Disc cutter, Dapping block, Bending brake, Cutting tools, Hammers/mallets, Anvils/stakes, Vices

PROCESSES: Soldering, Annealing, Forming, Finishing, Etching, Reticulation, Granulation, Stone setting, Texturing, Overlay/inlay, Mokume, Basic silver casting, Riveting, Wire weaving

PROJECTS: Vessel, Clasp, Hinge, Ring, Pendant, 1x custom project

### Print Shop

TOOLS: Exposure unit, Pressure washer, Screens, Scoop coater, Squeegee, 4 color T-shirt press, Flash dryer, Pattern table, Printing press, Woodcut tools, Adobe for print

PROCESSES: Photo emulsion, Direct drawing/filler, Water-based ink printing, Plastisol ink printing, Coptic bookbinding, CMYK printing, Relief printing, Intaglio printing, Reduction/suicide printing, Chine-colle, Editioning

PROJECTS: Editioned print, Posters, T-shirts, Yardage, Business cards, Stationary, 1x custom

### Factory Floor

TOOLS: Drill/drivers, Impact drivers, Circular saw, Jig saw, Biscuit joiner, Sawsall, Pneumatic nailer/stapler, Pneumatic grinders, Air compressors, Vinyl cutter, Router, Woodburning tools, Laser cutter, Sewing machines, Hand tools, Tap & die, Clamps, Design software

PROCESSES: Vinyl applications, Sewing, Laser prototyping, File creation

PROJECTS: Signage, Sewn bag, Modified furniture, 3D laser model, Tool tear-down and reassembly, 1x custom