

## SOLDERING SKILLS (CEJW-210)

Please bring note taking materials ([pen](#), [pencil](#), [notebook/sketchbook](#)). Your instructor will discuss tools and supplies during the first class and provide an orientation to the Jewellery + Metals area.

All items in [blue](#) can be purchased from the AUArts Bookstore. The AUArts Bookstore is open Monday - Friday from 8 am - 4 pm. You will be able to access the Bookstore during open hours with your ID card. Alternatively, you can call to place your order (403) 284-7663 and do curbside pickup. Expect to spend approximately \$200 – \$300 depending on your tool and metal preferences. Note: All prices subject to change, especially silver (which fluctuates daily with the Precious Metals Market)

- [Standard Safety Glasses](#)

[OR](#)

[Safety glasses that fit over prescription glasses](#)

**Mandatory: Safety glasses: CSA (Canadian Standards Association) Eye Protection while in the studio. CSA Eye Protection must have a CSA, UL, SIE, etc. (national accredited testing organization) label or mark showing that it has passed testing and been approved. Prescription eyeglasses or sunglasses are not “impact resistant”; students who wear prescription glasses or sunglasses will also need to wear protective eyewear on top.**

- Grobet USA 20cm Three-Square (Triangle) Needle File, Cut 2 AND Grobet USA 20cm Half-Round Needle File, Cut 2
- **OR**
- Needle file set
- Drill bits 0.7 mm\*
- Drill bits 0.8 mm\*
- Drill bits 1.5 mm\*
- [Emery paper coarse \(320 grit, Wetodry brand\)](#)
- [Emery paper medium \(400 and 600 grit, Wetodry brand\)](#)
- [Emery paper fine \(800 grit, Wetodry brand, 1000 if you want a fine polish\)](#)
- Wooden paint sticks for emery paper – free from Paint Supply store (you will need a minimum of 4)
- [Sheet metal and wire](#)– brass, copper or silver (metal thickness will vary according to the project you choose, (i.e. 18 gauge for a bracelet, 20 gauge for a hair piece or pendant, or 22g for earrings) – 20g copper or brass sheet 6” x 6”. We will go over this in the first class. Pricing for Sterling Silver sheet fluctuates daily (heavier gauges cost more, thinner less). The AUArts Bookstore sells copper and brass in 6” increments (6” x6”, 6” x 12”, 12” x 12”, etc.)
- [Saw blades 2/0](#)
- Zipper baggie & soft cloth (to protect work in progress from scratching)
- Jeweller’s saw frame 3” or 6” (flat frame with wing nuts versus tubular type)
- Large half round file Swiss coarse cut (with handle), cut 1
- [Cotton apron](#) (you can purchase an AUArts one from the Bookstore or bring one from home)
- Tool box/something to carry your tools in (optional, please note you will need to take your tools home with you at the end of every class)

- Snips or side cutters (not too big or too fine – for solder & wire)\*
- Titanium solder pick
- Silver solder (in sheet or wire, and in Easy, Medium, and Hard)
- Silver paste solder
- Steel tweezers (for picking up hot metal), you may want to get a small pair of tweezers for picking up solder as well
- Fine paint brush for applying solder\*
- Cross locking tweezers with wooden handles
- Solderite pad\*
- Compressed charcoal block\*
- Assortment of pliers\*

**\*\*\*Please Note: you do not necessarily require all of these tools. Your instructor will go over all of the tools with you during your first class to help you determine which supplies to purchase.**

**Estimated Total Cost of Supplies: \$ 200 – \$300** depending on tool & metal choices

**Additional Notes:**

Tools that cannot be purchased at the AUArts Bookstore can be found through the suppliers listed below. Some tools, such as files, can also be found at places like Princess Auto or Lee Valley Tools, where prices may be lower. Please note that the total cost of supplies is approximate and subject to change due to fluctuations in the precious metal markets, and the value of our Canadian dollar.

Ken's Gems Supplies, Inc.

Bay 18, 2219 – 35 Avenue NE. Phone: 403–291–2912

Westview Supplies

205, 3309 - 19 Street NE

Rio Grande (ONLINE, ships from the USA)

<https://www.riogrande.com/>

Lacy West (in Vancouver)

<https://www.lacywest.com/>

**Cleaning and Safety:**

Students are responsible for cleaning up after themselves. Please show respect for our monitors by putting studio tools away, keeping communal work areas clean and safe, and by sweeping out your bench pan and tucking your chair into your bench when you leave. Thank you.