

JEWELRY & METALSMITHING INSTRUCTOR

ORGANIZATION OVERVIEW

Generator Makerspace is a vibrant community workspace and innovation hub located in Burlington, Vermont. Our mission is to empower individuals to explore, create, and collaborate through access to tools, technology, and education. We provide a supportive environment for makers, artists, hobbies, and entrepreneurs to turn their ideas into reality.

ABOUT THE ROLE?

Generator Makerspace is seeking an experienced Jewelry & Metalsmithing Instructor to lead our tool training workshops. This foundational course introduces students to the equipment, materials, and techniques used in our jewelry studio. The ideal candidate is safety-conscious, experienced with non-ferrous metals, and comfortable teaching beginners in a hands-on environment.

DUTIES AND RESPONSIBILITIES

- Lead multi-session tool training workshops for beginner students
- Demonstrate safe and proper use of all studio equipment
- Introduce students to basic metals (copper, brass, nickel, silver) and their properties
- Guide students through creation of a simple item using studio tools and techniques
- Enforce studio safety protocols and ensure proper use of PPE
- Maintain a clean and organized studio space before, during, and after sessions
- Complete required safety certifications and demonstrate proficiency in all EUA requirements

DESIRED SKILLS & KNOWLEDGE

Tools & Equipment

Candidates should be proficient with the following, or willing to learn:

- Beverly shears, jeweler's saw, and files
- Belt sander (Rikon), training available
- Drill press and flex shaft with attachments
- Disc cutter, doming block, steel block, and punches
- Variety of hammers (brass, plastic, rawhide)
- Stamps and stamping tools
- Rolling mill
- Ring bender, training available
- Acetylene torch (including ignition, neutral flame identification, and head changes)
- Polishing wheels
- Miter jig

Notice: Familiarity with the tools specified is preferred but is not critical. Training will be provided to bridge any gaps in experience.

Techniques & Processes

- Sawing, filing, sanding, texturing, stamping, and polishing
- Soldering with flux and pickle bath (4 solder types with varying melt points)
- Annealing and work hardening
- Measuring, marking, and use of center punch for precision drilling
- Safe torch operation: ignition, neutral flame, head replacement, and leak check

Safety & Studio Knowledge

- Use of non-ferrous metals only (no steel) in the studio
- Proper PPE: N95 mask, eye protection, natural fiber clothing for torch work, ear protection
- Pickle safety: copper tongs required at all times
- Familiarity with Generator's incident report / maintenance request process
- Ability to perform thorough cleanup and return studio to safe, ready condition

***Interested applicants are invited to contact education@generatorvt.com.** Please share any relevant jewelry and teaching experience and a phone number.

Generator is committed to building a work community that is inclusive and represents a vibrant diversity of background, experience, perspective and thought. Candidates across all markers of identity (age, race, gender, ability, communication styles, etc.) are highly encouraged to apply.