



Lead Instructor & Curriculum Specialist

JOB TITLE: Lead Instructor & Curriculum Specialist

REPORTS TO: Senior Director of Programs & Partnerships

STATUS: Full-time

BENEFITS: Health Insurance, Vision Insurance, Dental Insurance, 401K, Generator Membership

DATE REVISED: August 8, 2024

GENERATOR'S MISSION

Generator, Burlington, Vermont's premier makers, is a combination of business incubator, artist studios and classroom at the intersection of art, science, and technology. We aim to provide the tools, expertise, education, and opportunity to enable all members of our community to create, collaborate, and bring ideas to fruition.

POSITION OVERVIEW

The Lead Instructor & Curriculum Specialist is responsible for providing hands-on learning opportunities to middle school, high school, and adult learners. The Specialist should be passionate about engaging youth and adults in programs that explore technical skills and design methodologies for emerging innovation. A successful candidate will have experience with STEAM lesson design grounded in inquiry, collaboration, and hands-on learning methods that align with VT standards when appropriate.

The Lead Instructor and Curriculum Specialist will also work to further Generator's current Workforce Development Programs with a passion for developing new programs that meet the needs of our community. They will ensure that Generator's programs not only serve, but create pathways to lifelong learning and equitable opportunity for underrecognized communities.

DUTIES AND RESPONSIBILITIES:

- Develop, revise, and deliver curriculum for Generator's programs including: *Maker Lab, Design Lab, Fab Lab, Mentor Days, and Train-the-Teacher* to meet both transferable and technical skills sought out by local employers and Vermont standards.
- Enhance workforce training programs for both youth and adults through collaborative employer partnerships.
- Cultivate a learning environment that fosters a sense of belonging, promotes learner growth, celebrates tool safety, encourages creativity, embraces failure, and makes learning fun, playful, and engaging.
- Implement assessment strategies to measure the success of our programs. Maintain the system for tracking learning outcomes, evaluations, and analysis to grow Generator's impact for serving our community.
- Support the development of credentialing programs by articulating the academic and technical competencies and contribute to the assessment process.
- Oversee Generator's the delivery of Generator's tool training by providing support for tool training Instructors to ensure safety and curriculum compliance.
- Support Generator's strategic planning, grant applications, and fundraising initiatives by identifying



- opportunities for growth of Generator's workforce development programs.
- Research and innovate; seek new paths in makerspace education, stay on the forefront of emerging technologies and transferable education.

AUXILIARY DUTIES:

- Attend staff meetings.
- Be part of our creative braintrust for Generator's offerings. Be prepared to make great things happen.
- Other duties as assigned by the Senior Director of Programs & Partnerships and/or the Executive Director.

QUALIFICATIONS:

- 2+ years experience teaching middle and/or high school aged youth.
- 2+ years experience writing curriculum and/or developing hands-on project-based curriculum.
- Experience with rapid prototyping tools such as 3D printers, laser cutters & vinyl cutters, and CNC (computer numeric control) machines.
- Software experience and knowledge in CAD/CAM systems, for example: AutoDesk, Fusion 360, Solidworks, OnShape, MasterCam, NX, Rhino/Rhino CAM, Prusa Slicr, and Adobe Creative Cloud.
- Familiarity with Vermont's Flexible Pathways Initiative, specifically student-centered learning approaches and programs that enhance career development for students.
- Interest in being part of a makerspace community (shared collaborative workspace) grounded in interdisciplinary collaboration in: arts, entrepreneurship, and emerging technology.

*Interested applicants are invited to send 1) resume, 2) cover letter, and 3) three references to Senior Director of Programs & Partnerships, Veronica Newton, at: veronica@generatorvt.com. Applications are open until the position has been filled. Please send pdf files using the following titling format: *LastName.Resume.pdf*

Generator is committed to building a working 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, etc.) are highly encouraged to apply.